



VILLAGE OF POPLAR GROVE

"A Great Place to Call Home"

VILLAGE BOARD OF TRUSTEES

Wednesday, July 17, 2024 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)

APPROVAL OF AGENDA (Voice Vote)

APPROVAL OF MINUTES (Voice Vote)

- [1.](#) Motion to approve minutes from June 19, 2024 Village Board of Trustees Meeting.

PUBLIC COMMENT *Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.*

DEPARTMENT REPORTS

- [2.](#) Engineer Report, McMahan
- [3.](#) Public Works Report, David Howe
- [4.](#) Treasurer Report, Carina Boyd
- [5.](#) Wastewater Report, TEST

UNFINISHED BUSINESS

- [6.](#) Motion to discuss/approve **Resolution 2024-16** A Resolution of the Village of Poplar Grove resolving to retain Midwest Sports Surfaces, LLC for rehabilitation of the tennis courts at Village Hall.

NEW BUSINESS

7. Motion to discuss/approve quote for the Ravens Crest entrance sign from Timber Line Sign Company.

8. Motion to discuss/approve to approve check disbursement for payments scheduled to be paid prior to July 31, 2024, in the amount of \$203,624.93 in AP checks, \$17,487.41 in insurance expense checks, \$24,544.53 EFTS, and Payroll with estimates included \$49,349.91 for a grand total of \$295,006.78.

9. Motion to discuss/approve **Resolution 2024-17** A Resolution of the Village of Poplar Grove to adopt the Village's source water protection plan.

10. Motion to discuss/approve **Resolution 2024-18** A Resolution of the Village of Poplar Grove, Illinois to authorize the Village of Poplar Grove to enter into an agreement with Solutions Bank for a truck loan.

GOOD OF THE VILLAGE

11. Planning and Zoning Meeting July 31st, 2024 - 6:00 pm
Boone County Fair August 6th - 11th, 2024
Board of Trustee Meeting August 14th, 2024 - 7:00 pm
Board of Trustee Meeting August 21st, 2024 - 7:00 pm

ADJOURNMENT (Voice Vote)

KJ 07/15/2024



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Wednesday, June 19, 2024 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

CALL TO ORDER

President Sattler called the meeting to order at 7:00 pm

ROLL CALL

PRESENT

President Don Sattler

Admin Chairman Owen Costanza via phone

Finance Chairman Jeff Goings

Trustee Dan Cheek

Trustee Austin Davies

Trustee Bruce More

Trustee Betsy Straw

Attorney Keri-Lyn J. Krafthefer

Clerk Karri Miller

Treasurer Chris Dopkins

Public Works Director David Howe

Wastewater Director Ion Steer

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)

Motion made by Finance Chairman Goings, Seconded by Trustee Cheek to allow Trustee Costanza to participate via phone.

Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw

APPROVAL OF AGENDA (Voice Vote)

Motion made by Admin Chairman Costanza, Seconded by Trustee Moore.

Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee

Davies, Trustee Moore, Trustee Straw

APPROVAL OF MINUTES (Voice Vote)

- 1. Motion to approve minutes from May 29, 2024 Special Board Meeting
 Motion made by Trustee Cheek, Seconded by Finance Chairman Goings.
 Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek,
 Trustee Davies, Trustee Moore, Trustee Straw

PUBLIC COMMENT *Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.*

No public comment

DEPARTMENT REPORTS

- 2. Engineer Report, McMahon
 The contractor plans to start the road project next week
- 3. Public Works Report, David Howe
 Sidewalk repairs are going on around the village. The Ravens Crest sign will need to be taken down and replaced.
- 4. Treasurer Report, Carina Boyd
 no questions
- 5. Wastewater Report, TEST
 President Sattler will be with Ion to tour the North Plant on July 3, 2024

UNFINISHED BUSINESS

- 6. Motion to discuss and possible approval of selection of contractor to perform tennis court restoration repairs.
 Motion made by Trustee Cheek, Seconded by Trustee Straw.
 Engineer Dopkins went over the quote and the needs of the tennis court. Dopkins suggested that the board go with Midwest Sports for the repairs.
 Engineer Dopkins will create a resolution and bring to the board for final approval.
 Discussion Only

NEW BUSINESS

- 7. Presentation for BS&A Software upgrade with Keegan Nixon.
 Motion made by Finance Chairman Goings, Seconded by Trustee Moore.
 BS&A representative Keegan Nixon went over the software program and how it works.
 Trustees asked questions to Mr. Nixon.
 Discussion only

8. Motion to discuss and possible action for BS&A software upgrade with the of purchase Community Development and Purchase Order modules.
Trustees skipped
9. Motion to discuss/approve **Ordinance 2024-** An Ordinance of the Village of Poplar Grove, Illinois amending Title I, Administration, Chapter 6, Village Officers and Employees, amending section 1-6-6, Salaries and Chapter 6, Article A, Village Clerk, section 1-6A-2.1, Salary to the Village of Poplar Grove Code of Ordinances.
Motion made by Trustee Straw, Seconded by Finance Chairman Goings.
Trustee Costanza asked for the mayor salaries to go from \$15,000 to \$10,000, including \$500 for the role of Liquor Commissioner.
Debate on reducing Trustee's salary from \$5,500 to \$5,000 annually, with considerations on the impact of the reduction.
Motion made by Finance Chairman Goings, Seconded by Admin Chairman Costanza to change the pay for the Trustees to \$5,000
Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Moore
Voting Nay: Trustee Davies, Trustee Straw
- Motion made by Trustee Davies, Seconded by Trustee Straw to change the Village President salary to \$10,000 to include the liquor commissioner annual salary.
Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw
10. Motion to discuss/approve to approve check disbursement for payments scheduled to be paid prior to June 30, 2024, in the amount of **\$204,608.94** in AP checks, **\$17,487.41** in insurance expense checks, **\$25,344.53** EFTS, and Payroll with estimates included **\$72,836.66** for a grand total of **\$320,277.54**.
Motion made by Finance Chairman Goings, Seconded by Trustee Cheek.
Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee Moore, Trustee Straw
Trustee Goings stated that the big payment was a payment for Larson and Larson for the Public Works Building.
11. Motion to discuss/approve Resolution 2024- A Resolution of the Village of Poplar Grove to adopt a vision statement for the Village's source water protection plan.
Motion made by Finance Chairman Goings, Seconded by Trustee Cheek.
Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw
Engineer Dopkins stated that this resolution is required by the state.

GOOD OF THE VILLAGE

12. Community Open House June 26th, 2024 - 6:00 pm
Board of Trustee Meeting July 10th, 2024 - 7:00 pm

Board of Trustee Meeting July 17th, 2024 - 7:00 pm
Planning and Zoning Meeting July 24th, 2024 - 6:00 pm

ADJOURNMENT (Voice Vote)

Motion made by Finance Chairman Goings, Seconded by Trustee More.

Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee
Davies, Trustee Moore, Trustee Straw

The meeting adjourned at 8:50 pm



To: The Village President and Board of Trustees

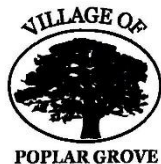
From: Chris Dopkins, P.E., Village Engineer

Re: Engineering Report – June 2024 Activity

Date: July 7, 2024

Please allow this memorandum to provide a brief summary of major activity over the past month that involves the engineering department:

- **Public Works Building:** Activity for the building is winding down, there are a few punch list items that have come up that need to be addressed. We are still awaiting the shipment of the electrical panel and we have prepared a change order to extend the contract as there is no ship date on the panel as of yet. As a reminder, the electrician has temporarily wired circuits that the Public Works Staff needs for the building to be functional, and did so at no cost to the Village.
- **2023 Pavement Maintenance Program:** We have finally seen movement from IDOT regarding the material certifications for the State Street Project which are needed before we can process final payment and close the project out. We hope to be completely closed out by the end of July. Final payment will then be presented for Board approval in August.
- **2024 Pavement Maintenance Program:** The contractor has completed most of the work for the project. Shouldering, restoration and the work at Culver/Waco are all that remain at the time of this memorandum.
- **Source Water Protection Plan:** The reports for each of the Village's three systems are complete and will be presented to the Board for adoption at the July 17th meeting. Reports are due to the IEPA at the end of July.
- **South Wastewater Treatment Plant:** There are a number of items associated with the SWWTP. First, the Village's permit is up for renewal and we have not heard back from the agency as of the date of this memo regarding the renewal application. Second, the Village has received a notice of violation for issues surrounding the Nutrient Assessment Reduction Plan (NARP). Staff has met w/ IEPA representatives and we are very pleased to report that the Agency is receptive to the Village's approach to remedy the violation. These steps were discussed with the Board members by Sosnowski/Szeto's office and generally include taking steps to classify the SWWTP as a "minor" facility. Once classified as a "minor" facility the SWWTP will no longer be subject to the NARP requirements. In the interim period the Village will agree to NARP requirements developed for the Kishwaukee & Rock River watersheds. Staff has provided a letter to the agency outlining its plan and is working the agency to finalize the plan.



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<https://www.poplargo-ve-il.gov/>

Public Works Report, June 2024

- Road projects took place at the end of June, with near full completion by the 4th of Julie. Bullard and East Edson were repaved. The intersection of Starflower and Queenannes had curb and sidewalk replaced, and the intersection was repaved. Whiting had a patch replaced and drain work was completed on Waco Way.
- Prior to the road maintenance, staff attempted to replace four sewer laterals on Bullard. After excavating the first lateral, the excavation site was deemed too dangerous for our staff to work on. Due to the soil composition and saturation, we were facing continuous cave ins. A trench box and larger machine were needed, and NTrak was called out for emergency repairs.
- Removed damaged and outdated signage at Whiting and 76 intersections.
- Staff began sidewalk repair in the Village. This month the West Grove neighborhood was completed. Going forward, we will be trying to get a neighborhood completed each month through October pending weather.
- Three damaged curb sections were replaced in Burlled Wood.
- Sanitary repair work was done on Edson.
- Repair a damaged window in our MX5-111 tractor.
- Prepped fall zone for the Neighbors Night fireworks, brought up trucks for touch a truck, and added garbage cans to the Hall for the event.
- Staff went and picked up our new 5-yard plow truck. At the time of pick up, the plow itself was still delayed. Lindco completed everything else, and we are looking at delivery of the plow in the beginning of September.
- Roadsides, waterways, and detention areas were mowed.
- After discussion with the Knolls of Boone HOA, staff overlaid the walking path in the Arboretum with millings. We cleaned up weeds, overgrowth, and trimmed trees. The HOA replaced plants and bushes, and then had the beds mulched.
- Met with Marissa from the IEPA, to discuss potential options regarding our SWWTP and the NARP requirements. At this time, we have developed a game plan and will move forward in the coming months.
- Removed the dead trees and damaged signage at the Ravenscrest entrance. The sign will be replaced with a wood one, and the median itself will be cleaned up and leveled back out to improve the aesthetics.
- Removed a few other dead trees and bushes throughout the Village.

- Began spraying curblines for weed growth, will finish out in July as wind speeds allow.
- Sprayed and cleaned up mulch beds at Village Hall.
- I met with ComEd representatives to discuss potential solar additions to the plants. This is an ongoing discussion, and once I have some more information and pricing I will bring to the board.
- Also met with ComEd regarding damaged poles at two of our lift station locations in the Village. We are awaiting work order confirmations on these, and I am hoping to see them replaced in July.
- Staff began making a manhole repair inventory list, and we are tentatively planning on beginning those repairs in July as well. Like sidewalks, this will be an ongoing project on a neighborhood-by-neighborhood basis.

As always, do not hesitate to contact me with any additional questions or concerns. I am always open to going into more detail on past, current, or future projects and work my department is doing.

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JUNE 2024 TREASURER'S REPORT

Monthly Reports:

Attached you will find June's financial reports.

Monthly Activities:

- All monthly financial tasks were completed.
- Attached is a list of all payments issued in June.
- Invoices scheduled to be paid in the month of July: \$203,624.93 in AP checks, \$17,148.25 in Insurance Expense checks, and \$24,544.53 in EFTS. Payroll \$49,349.91 (estimates included) Grand Total: \$294,667.62.
- Attached please find the Village of Poplar Grove's pre audit balance sheet as of 6/30/2024.

Ongoing Activities

- The budget is scheduled to be approved on 07/10/2024.
- The annual audit should be finalized by the end of July.

Carina

"I certify, to the best of my knowledge, that the information contained in this Treasurer's Report is true and correct and that I understand that making a false statement on this document is a form of perjury and has penalties provided by law under 735 ILCS 5/1-109."

DEPT/ACCOUNT	DESCRIPTION	FUND 01 GENERAL FUND	FUND 20 MOTOR FUEL FUND	FUND 31 WATER & SEWER FUN	FUND 32 DEBT SERVICE FUND	FUND 90 GOV FUNDS CAPITAL	Total
ASSETS							
00-1010	PEPTY CASH	191					191
00-1020	CASH IN BANK	(2,136,165)	468,618	1,075,093	(3,644)	1,409,147	813,049
00-1021	CASH IN BANK MONEY MARKET	1,303,913		132,493			1,303,913
00-1022	CASH IN BANK - BYRON BANK	1					1
00-1030	MONEY MARKET	31,926					31,926
00-1040	WATER / SEWER DEBT SERVICE ACCOUN		121,003		28,306		121,003
00-1050	PG CREDIT CARD CLEARING ACCT						
00-1060	PG BANK CREDIT CARD ACCT						
00-1070	CASH WITH PAYING AGENT			582,199			582,199
00-1075	ILLINOIS FUNDS INVESTMENT ACCT.	3,433,760					3,433,760
00-1080	POPULAR GROVE BANK - CD						
00-1100	PROPERTY TAXES RECEIVABLE	336,467		39,184			375,651
00-1110	ACCT REC REPL TAX	3,098					3,098
00-1130	CD BURED WOOD SEWER CONNECTION						
00-1200	STATE INCOME TAXES RECEIVABLE						
00-1202	DUE FROM MPT						
00-1210	STATE USE TAX RECEIVABLE	47,125					47,125
00-1220	STATE TELECOMM TAXES RECEIVABLE	10,516					10,516
00-1230	STATE SALES TAXES RECEIVABLE	105,773					105,773
00-1231	SEWER CONSTRUCTION REVEUE						
00-1240	STATE VIDEO GAMING TAXES RECEIVAB	20,956					20,956
00-1250	MFT MOTOR FUEL TAXES RECEIVABLE		18,159				18,159
00-1260	DEFERRED DISCOUNT ON BONDS						
00-1261	DEFERRED DISCOUNT ON BONDS						
00-1300	FEDERAL GRANT RECEIVABLES						
00-1310	STATE GRANT RECEIVABLES						
00-1320	LOCAL GRANT RECEIVABLES						
00-1325	GASB 87 LEASE RECEIVABLE	17,635					17,635
00-1400	ACCOUNTS RECEIVABLE - OTHER	36,011		3,238			39,249
00-1401	ACCOUNTS RECEIVABLE			175,834			175,834
00-1402	ACCOUNTS RECEIVABLE - UNBILLED			77,611			77,611
00-1403	DUE FROM O & M						
00-1405	ACCOUNTS RECEIVABLE - LITIGATION	193,600					193,600
00-1410	ALLOWANCE FOR DOUBTFUL ACCOUNTS	(193,600)					(193,600)
00-1500	PREPAID ITEMS	11,354		3,790			15,144
00-1501	NICOR UTILITY DEPOSIT						
00-1600	CONSTRUCTION IN PROGRESS						
00-1605	VEHICLES			136,245			136,245
00-1610	VILLAGE WATER SYSTEM			42,017			42,017
00-1620	WATER/SEWER UTILITY SYSTEM			13,308,326			13,308,326
00-1630	STREETS			8,148,871			8,148,871
00-1705	ACCUMULATED DEPRECIATION - VEHICL			66,551			66,551
00-1710	ACCUM DEP-VILLAGE NORTH WATER SY			(31,018)			(31,018)
00-1711	ACCUM DEP-VILLAGE SOUTH WATER SY			(1,519,111)			(1,519,111)
00-1720	ACCUMULATED DEPRECIATION - WATER/			(4,131,277)			(4,131,277)
00-1730	ACCUM DEP-STREET			(6,387,573)			(6,387,573)
00-1800	DUE FROM MPT FUND			(29,116)			(29,116)
00-1810	DUE FROM WATER / SEWER FUND						
00-1850	DEFERRED OUTFLOW			333,322			333,322
00-1900	UNAMORTIZED LOSS ON REFUNDING			33,227			33,227
00-2050	DO NOT USE 2004						
00-2070	DO NOT USE 2005						
TOTAL ASSETS		3,222,561	607,780	12,059,906	24,662	1,409,147	17,324,056

LIABILITIES							
TOTAL ASSETS							
LIABILITIES							

DEPT/ACCOUNT	DESCRIPTION	FUND 01	FUND 20	FUND 31	FUND 32	FUND 90	Total
		GENERAL FUND	MOTOR FUEL FUND WATER & SEMER FUN	DEBT SERVICE FUND	GOV FUNDS	CAPITAL	

LIABILITIES

00-1330	ESCROW HAWTHORN MEADOWS PROF SERV						
00-1340	ESCROW 2003 REFUNDING						
00-1370	ESCROW 2004 REFUNDING COLE/TAYLO						
00-1380	ESCROW 2005 SERIES						
00-1390	ESCROW 2001 SERIES						
00-1404	DUE TO GENERAL FUND						
00-1432	DUE TO BOND DEPR						
00-1440	DUE TO GO BOND						
00-2020	STICKERS PAYABLE TO GARBAGE CO						
00-2051	BONDS PAYABLE SERIES 2004						
00-2100	UNAVAILABLE PROPERTY TAXES	336,467					336,467
00-2200	ACCOUNTS PAYABLE	105,163					105,163
00-2201	COMPENSATED ABSENCES - CURRENT PO		47,428				47,428
00-2203	BONDS PAYABLE 2012A - CURRENT POR			39,184			39,184
00-2204	BONDS PAYABLE 2012B - CURRENT POR			65,194			65,194
00-2205	BONDS PAYABLE 2015 - CURRENT PORT			9,046			9,046
00-2210	N BOONE SCHOOL DISTRICT PAYABLE			30,000			30,000
00-2220	BEVIDERE SCHOOL DISTRICT PAYABLE			145,000			145,000
00-2230	DUE TO AIRPORT - BEL AIR			360,000			360,000
00-2240	ACCRUED INTEREST PAYABLE			23,500			23,500
00-2250	EMPLOYEE IMRF			47,199			47,199
00-2300	WAGES PAYABLE	18,106		6,444			24,550
00-2301	COMPENSATED ABSENCES - LONG-TERM						
00-2302	NOTES PAYABLE - LONG-TERM PORTION						
00-2303	BONDS PAYABLE 2012A - LONG-TERM P						
00-2304	BONDS PAYABLE 2012B - LONG-TERM P			615,000			615,000
00-2305	BONDS PAYABLE 2015 - LONG-TERM PO			1,625,000			1,625,000
00-2310	FEDERAL TAXES WITHHOLDINGS PAYABL						
00-2320	STATE WITHHOLDINGS PAYABLE						
00-2330	FICA WITHHOLDINGS PAYABLE	1,385		493			1,878
00-2340	HEALTH INSURANCE DEDUCTIONS PAYAB	883					883
00-2350	IMRF EMPLOYEE WITHHOLDINGS PAYABL	4,277		287			4,564
00-2351	CURRENT MATURITIES OF LT DEBT						
00-2360	UNION DUES/NCPRS PAYABLE	256					256
00-2370	SUI PAYABLE	409					409
00-2380	WAGE GARNISHMENT						
00-2400	OTHER DEFERRED REVENUE	10,400					10,400
00-2401	DUE TO GENERAL FUND						
00-2410	CUSTOMER DEPOSITS HELD	13,891					13,891
00-2413	DUE TO O&M						
00-2417	DUE TO GENERAL FUND						
00-2431	DUE TO W/S						
00-2510	N/P 4.5 ACRES LAND						
00-2520	N/P 11 ACRES LAND						
00-2650	NET PENSION LIABILITY						
00-2660	DEFERRED INFLOWS			17,727			17,727
00-2665	GASB 87 DEFERRED INFLOW			19,899			19,899
00-2690	UNAMORTIZED BOND PREMIUM	17,306					17,306
00-2695	GASB83 ASSET RETIREMENT OBLIGATIO			58,051			58,051
00-2710	CURRENT MATURITIES OF LT DEBT			325,000			325,000
00-3805	DO NOT USE - RESTRICTED INTEREST						
00-4750	DO NOT USE						
50-4751	DO NOT USE						
50-5500	DO NOT USE - IMRF						
TOTAL LIABILITIES		508,543	47,428	3,387,024	12,661	3,955,656	

Item 4.

DEPT/ACCOUNT	DESCRIPTION	FUND 01 GENERAL FUND	FUND 20 MOTOR FUEL FUND	FUND 31 WATER & SEWER FUN	FUND 32 DEBT SERVICE FUND	FUND 90 GOV FUNDS CAPITAL	Total
FUND BALANCES							
00-3000	FUND BALANCE	2,130,889	779,910	8,197,308	30,150	1,332,975	4,273,924
00-3001	NET POSITION						8,197,308
TOTAL FUND EQUITY		<u>2,130,889</u>	<u>779,910</u>	<u>8,197,308</u>	<u>30,150</u>	<u>1,332,975</u>	<u>12,471,232</u>
Beginning Fund Balance							
Net of Revenues vs Expenditures		379,417	(8,478)	203,240	68	(13,875)	
Ending Fund Balance		379,417	(8,478)	203,240	68	(13,875)	
Total Liabilities And Fund Balance		3,018,849	818,860	11,787,572	30,218	1,331,761	

TRANSACTIONS FROM 06/01/2024 TO 06/30/2024

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
Fund 01 GENERAL FUND							
Unclassified							
06/01/2024			01-00-1010 PETTY CASH		BEG. BALANCE		192.26
06/17/2024	GJ	JE	POSTAGE PAID BY BYRON BANK	1494		0.99	191.27
06/30/2024			01-00-1010	END BALANCE	0.00	0.99	191.27
06/01/2024			01-00-1020 CASH IN BANK		BEG. BALANCE		(2,173,983.73)
06/03/2024	PRR	CHK	SUMMARY PRR 06/03/2024	EFT660		5,182.92	(2,179,166.65)
06/03/2024	PRR	CHK	SUMMARY PRR 06/03/2024	28794		144.00	(2,179,310.65)
06/03/2024	CR	RCPT	2024-89 5151ORTHMO9 WIN	99061	94.00		(2,179,216.65)
06/03/2024	CR	RCPT	2024-46 2843STINSON - SOLAR	99087	387.00		(2,178,829.65)
06/03/2024	CR	RCPT	2024-103 125EGROVE - ROOF	99098	134.00		(2,178,695.65)
06/03/2024	CR	RCPT	2024-95 541PRAIRIEPNT - FENCE	99105	134.00		(2,178,561.65)
06/03/2024	CR	RCPT	2024-66 418MAPLELEAF-DRVWAY	99106	209.00		(2,178,352.65)
06/03/2024	CR	RCPT	2024-102 - 309BRITNIE-FENCE	99107	134.00		(2,178,218.65)
06/03/2024	CR	RCPT	REN'S RECEIVED 06/03/2024		1,500.00		(2,176,718.65)
06/04/2024	CR	RCPT	0000000233	99134	1,250.00		(2,175,468.65)
06/05/2024	PRR	CHK	SUMMARY PRR 06/05/2024	EFT661		16,345.90	(2,191,814.55)
06/05/2024	PRR	CHK	SUMMARY PRR 06/05/2024	EFT662		997.51	(2,192,812.06)
06/05/2024	CR	RCPT	0000000234	99215	30.00		(2,192,782.06)
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			91,068.35	(2,283,850.41)
06/08/2024	GJ	JE	PROPERTY TAXES 2ND INSTALLMENT	1487	62,898.72		(2,220,951.69)
06/12/2024	CR	RCPT	2023-164 440IRONWOOD REINSPEC	99473	55.00		(2,220,896.69)
06/14/2024	PR	CHK	SUMMARY PR 06/14/2024			7,445.75	(2,228,342.44)
06/14/2024	PRR	CHK	SUMMARY PRR 06/14/2024	EFT663		4,693.34	(2,233,035.78)
06/14/2024	PRR	CHK	SUMMARY PRR 06/14/2024	EFT664		905.50	(2,233,941.28)
06/14/2024	CR	RCPT	2024-107 411WEDSON - BTH ADDI	99541	215.00		(2,233,726.28)
06/14/2024	CR	RCPT	2024-106 13525ILRT76 - SIGN	99544	324.00		(2,233,402.28)
06/17/2024	CR	RCPT	2024-108 103BULLARD ROOF	99617	134.00		(2,233,268.28)
06/17/2024	CR	RCPT	STATE CANNABIS USE TAX 06/17/2024		659.51		(2,232,608.77)
06/17/2024	CR	RCPT	STATE INCOME TAXES 06/17/2024		57,908.99		(2,174,699.78)
06/17/2024	CR	RCPT	STATE SALES TAXES 06/17/2024		38,537.05		(2,136,162.73)
06/17/2024	CR	RCPT	STATE TELECOMMUNICATIONS TAX 06/17/24		3,352.68		(2,132,810.05)
06/17/2024	CR	RCPT	STATE USE TAXES 06/17/2024		17,111.06		(2,115,698.99)
06/17/2024	CR	RCPT	STATE VIDEO GAMING TAX 06/17/2024		10,160.81		(2,105,538.18)
06/17/2024	CD	CHK	SUMMARY CD 06/17/2024			23,744.53	(2,129,282.71)
06/18/2024	CR	RCPT	2024-111 4508HARRIS ROOF	99730	134.00		(2,129,148.71)
06/18/2024	CR	RCPT	2024-110 405BREE GAS&ELECT	99733	249.00		(2,128,899.71)
06/19/2024	CR	RCPT	2024-112 GASLINE POOL	99771	163.00		(2,128,736.71)
06/19/2024	CR	RCPT	2024-104 4132MILKWEED ROOF	99772	134.00		(2,128,602.71)
06/19/2024	CR	RCPT	OVERWEIGHT TR PRMT 2024-TR-01	99782	75.00		(2,128,527.71)
06/20/2024	CR	RCPT	2024-94 2822STINSON ROOF	99838	243.00		(2,128,284.71)
06/20/2024	GJ	JE	UTILITY TAX - NICOR	1520	4,727.26		(2,123,557.45)
06/24/2024	CR	RCPT	2024-115 2070AKST - DRIVEWAY	99952	209.00		(2,123,348.45)
06/24/2024	CR	RCPT	2024-113 411WEDSON- BTERM ADD	99955	245.00		(2,123,103.45)
06/27/2024	GJ	JE	RECEIPT HYATT LODGLNG DISPUTE	1519	530.22		(2,122,573.23)
06/28/2024	PR	CHK	SUMMARY PR 06/28/2024			7,399.63	(2,129,972.86)
06/28/2024	PRR	CHK	SUMMARY PRR 06/28/2024	EFT665		4,759.14	(2,134,732.00)
06/28/2024	PRR	CHK	SUMMARY PRR 06/28/2024	EFT666		922.91	(2,135,654.91)
06/28/2024	PRR	CHK	SUMMARY PRR 06/28/2024	EFT667		437.70	(2,136,092.61)
06/28/2024	CD	CHK	SUMMARY CD 06/28/2024			100.00	(2,136,192.61)
06/28/2024	CR	RCPT	0000000249	100011	1,000.00		(2,135,192.61)
06/28/2024	GJ	JE	EXELON - UTILITY TAX	1521	9,432.86		(2,125,759.75)
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	1,616.79		(2,124,142.96)
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522		12,021.68	(2,136,164.64)
06/30/2024			01-00-1020	END BALANCE	213,987.95	176,168.86	(2,136,164.64)
06/01/2024			01-00-1021 CASH IN BANK MONEY MARKET		BEG. BALANCE		1,298,841.91
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	5,070.82		1,303,912.73
06/30/2024			01-00-1021	END BALANCE	5,070.82	0.00	1,303,912.73
06/01/2024			01-00-1022 CASH IN BANK - BYRON BANK		BEG. BALANCE		0.00
06/17/2024	GJ	JE	POSTAGE PAID BY BYRON BANK	1494	0.99		0.99
06/30/2024	GJ	JE	INTEREST COMMINGLED ACCT BYRON BANK	1523	513.38		514.37
06/30/2024	GJ	JE	INTEREST COMMINGLED ACCT BYRON BANK	1523		513.38	0.99
06/30/2024			01-00-1022	END BALANCE	514.37	513.38	0.99
06/01/2024			01-00-1030 DCEO GRANT BANK ACCOUNT		BEG. BALANCE		31,881.44
06/30/2024	GJ	JE	INTEREST RECEIVED	1524	44.55		31,925.99
06/30/2024			01-00-1030	END BALANCE	44.55	0.00	31,925.99
06/01/2024			01-00-1075 ILLINOIS FUNDS INVESTMENT ACCT.		BEG. BALANCE		3,418,498.41
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	15,261.40		3,433,759.81
06/30/2024			01-00-1075	END BALANCE	15,261.40	0.00	3,433,759.81
UNCLASSIFIED: Unclassified					234,879.09	176,683.23	2,633,626.15
TOTAL FOR FUND 01 GENERAL FUND					234,879.09	176,683.23	2,633,626.15
Fund 20 MOTOR FUEL FUND							
Unclassified							
06/01/2024			20-00-1020 MFT CASH IN BANK		BEG. BALANCE		454,583.00

TRANSACTIONS FROM 06/01/2024 TO 06/30/2024

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
					(Continued)		
06/07/2024	CD	CHK	20-00-1020 MFT CASH IN BANK SUMMARY CD 06/07/2024			5,392.71	449,191.25
06/17/2024	CR	RCPT	MOTOR FUEL TAX 06/17/2024		17,645.07		466,836.32
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	1,781.37		468,617.69
06/30/2024			20-00-1020 END BALANCE		19,426.44	5,392.71	468,617.69
06/01/2024			20-00-1040 MFT MONEY MARKET		BEG. BALANCE		120,834.46
06/30/2024	GJ	JE	INTEREST RECEIVED	1524	168.84		121,003.30
06/30/2024			20-00-1040 END BALANCE		168.84	0.00	121,003.30
UNCLASSIFIED: Unclassified					19,595.28	5,392.71	589,620.99
TOTAL FOR FUND 20 MOTOR FUEL FUND					19,595.28	5,392.71	589,620.99

Fund 31 WATER & SEWER FUND

Unclassified

06/01/2024			31-00-1020 CASH IN BANK		BEG. BALANCE		987,574.49
06/01/2024	UB		Online Payment		966.87		988,541.36
06/02/2024	UB		Online Payment		1,142.63		989,683.99
06/03/2024	UB		Online Payment		1,468.73		991,152.72
06/03/2024	CR	RCPT	Utility Billing 06/03/2024		2,775.86		993,928.58
06/03/2024	CR	RCPT	Utility Billing 06/03/2024		523.44		994,452.02
06/03/2024	CR	RCPT	Utility Billing 06/03/2024		910.88		995,362.90
06/03/2024	UB		Online Payment		365.53		995,728.43
06/04/2024	UB		Online Payment		1,158.10		996,886.53
06/04/2024	CR	RCPT	Utility Billing 06/04/2024		1,647.98		998,534.51
06/04/2024	CR	RCPT	Utility Billing 06/04/2024		423.73		998,958.24
06/04/2024	CR	RCPT	Utility Billing 06/04/2024		1,403.63		1,000,361.87
06/04/2024	UB		Online Payment		940.52		1,001,302.39
06/05/2024	UB		Online Payment		625.90		1,001,928.29
06/05/2024	CR	RCPT	Utility Billing 06/05/2024		3,614.52		1,005,542.81
06/05/2024	CR	RCPT	Utility Billing 06/05/2024		224.35		1,005,767.16
06/05/2024	CR	RCPT	Utility Billing 06/05/2024		331.64		1,006,098.80
06/06/2024	UB		Online Payment		958.02		1,007,056.82
06/06/2024	CR	RCPT	Utility Billing 06/06/2024		4,968.10		1,012,024.92
06/06/2024	CR	RCPT	Utility Billing 06/06/2024		302.44		1,012,327.36
06/06/2024	UB		Online Payment		110.79		1,012,438.15
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			34,748.90	977,689.25
06/07/2024	UB		Online Payment		835.11		978,524.36
06/07/2024	CR	RCPT	Utility Billing 06/07/2024		5,795.28		984,319.64
06/07/2024	CR	RCPT	Utility Billing 06/07/2024		224.29		984,543.93
06/07/2024	CR	RCPT	Utility Billing 06/07/2024		435.04		984,978.97
06/07/2024	UB		Online Payment		323.11		985,302.08
06/08/2024	UB		Online Payment		898.85		986,200.93
06/09/2024	UB		Online Payment		681.21		986,882.14
06/10/2024	UB		Payment Rollback			49.17	986,832.97
06/10/2024	UB		Online Payment		883.32		987,716.29
06/10/2024	CR	RCPT	Utility Billing 06/10/2024		9,400.72		997,117.01
06/10/2024	CR	RCPT	Utility Billing 06/10/2024		63.70		997,180.71
06/10/2024	CR	RCPT	Utility Billing 06/10/2024		105.23		997,285.94
06/10/2024	UB		Online Payment		113.21		997,399.15
06/11/2024	UB		Online Payment		274.14		997,673.29
06/11/2024	CR	RCPT	Utility Billing 06/11/2024		516.75		998,190.04
06/11/2024	CR	RCPT	Utility Billing 06/11/2024		63.70		998,253.74
06/11/2024	UB		Online Payment		105.23		998,358.97
06/12/2024	UB		Online Payment		409.74		998,768.71
06/12/2024	CR	RCPT	Utility Billing 06/12/2024		2,128.37		1,000,897.08
06/12/2024	CR	RCPT	Utility Billing 06/12/2024		177.26		1,001,074.34
06/12/2024	CR	RCPT	Utility Billing 06/12/2024		140.83		1,001,215.17
06/12/2024	UB		Online Payment		146.64		1,001,361.81
06/13/2024	UB		Payment Rollback			87.42	1,001,274.39
06/13/2024	UB		Online Payment		87.42		1,001,361.81
06/13/2024	UB		Online Payment		1,156.82		1,002,518.63
06/13/2024	CR	RCPT	Utility Billing 06/13/2024		7,641.69		1,010,160.31
06/13/2024	CR	RCPT	Utility Billing 06/13/2024		63.70		1,010,224.01
06/14/2024	PR	CHK	SUMMARY PR 06/14/2024			8,055.47	1,002,168.54
06/14/2024	CD	CHK	SUMMARY CD 06/14/2024			18,297.51	983,871.03
06/14/2024	UB		Online Payment		1,527.82		985,398.85
06/14/2024	CR	RCPT	Utility Billing 06/14/2024		3,656.62		989,055.47
06/14/2024	CR	RCPT	Utility Billing 06/14/2024		244.14		989,299.61
06/14/2024	UB		Online Payment		434.73		989,734.34
06/15/2024	UB		Online Payment		13,525.68		1,003,260.02
06/16/2024	UB		Online Payment		1,293.30		1,004,553.32
06/17/2024	UB		Online Payment		1,808.29		1,006,361.61
06/17/2024	CR	RCPT	Utility Billing 06/17/2024		9,643.05		1,016,004.66
06/17/2024	CR	RCPT	Utility Billing 06/17/2024		99.72		1,016,104.38
06/17/2024	CR	RCPT	Utility Billing 06/17/2024		346.18		1,016,450.56
06/17/2024	CR	RCPT	Utility Billing 06/17/2024		485.38		1,016,935.94
06/17/2024	UB		Online Payment		218.78		1,017,154.72
06/18/2024	UB		Payment Rollback			146.64	1,017,008.08
06/18/2024	UB		Online Payment		1,597.92		1,018,606.00
06/18/2024	CR	RCPT	Utility Billing 06/18/2024		2,026.84		1,020,632.84
06/18/2024	CR	RCPT	Utility Billing 06/18/2024		398.72		1,021,031.56
06/18/2024	CR	RCPT	Utility Billing 06/18/2024		326.26		1,021,357.82
06/18/2024	UB		Online Payment		127.40		1,021,485.22
06/19/2024	UB		Online Payment		3,644.92		1,025,130.14

TRANSACTIONS FROM 06/01/2024 TO 06/30/2024

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
					(Continued)		
06/19/2024	CR	RCPT	Utility Billing 06/19/2024		4,570.33		1,029,900.47
06/19/2024	CR	RCPT	Utility Billing 06/19/2024		318.51		1,030,218.98
06/19/2024	CR	RCPT	Utility Billing 06/19/2024		425.72		1,030,644.70
06/19/2024	UB		Online Payment		210.44		1,030,855.14
06/20/2024	UB		Online Payment		10,659.33		1,041,514.47
06/20/2024	CR	RCPT	0000000248	99858	61.61		1,041,576.08
06/20/2024	CR	RCPT	Utility Billing 06/20/2024		11,664.08		1,053,240.16
06/20/2024	CR	RCPT	Utility Billing 06/20/2024		2,427.26		1,054,667.42
06/20/2024	UB		Online Payment		1,254.37		1,055,921.79
06/21/2024	UB		Online Payment		1,288.31		1,057,210.10
06/21/2024	CR	RCPT	Utility Billing 06/21/2024		2,991.46		1,060,201.56
06/21/2024	CR	RCPT	Utility Billing 06/21/2024		695.03		1,060,896.59
06/21/2024	CR	RCPT	Utility Billing 06/21/2024		910.31		1,061,806.90
06/21/2024	UB		Online Payment		127.54		1,061,934.44
06/22/2024	UB		Online Payment		434.75		1,062,369.19
06/23/2024	UB		Online Payment		168.93		1,062,538.12
06/24/2024	UB		Online Payment		409.91		1,062,948.03
06/24/2024	CR	RCPT	Utility Billing 06/24/2024		1,749.67		1,064,697.70
06/24/2024	CR	RCPT	Utility Billing 06/24/2024		460.79		1,065,158.49
06/24/2024	UB		Online Payment		216.28		1,065,374.77
06/25/2024	UB		Online Payment		222.45		1,065,597.22
06/25/2024	CR	RCPT	Utility Billing 06/25/2024		2,617.79		1,068,215.01
06/25/2024	CR	RCPT	Utility Billing 06/25/2024		208.94		1,068,423.95
06/25/2024	UB		Online Payment		330.22		1,068,754.17
06/26/2024	UB		Online Payment		404.85		1,069,159.02
06/26/2024	CR	RCPT	Utility Billing 06/26/2024		506.29		1,069,665.31
06/26/2024	CR	RCPT	Utility Billing 06/26/2024		1,102.73		1,070,768.04
06/26/2024	UB		Online Payment		889.11		1,071,657.15
06/27/2024	UB		Online Payment		161.50		1,071,818.65
06/27/2024	CR	RCPT	Utility Billing 06/27/2024		655.97		1,072,474.62
06/27/2024	CR	RCPT	Utility Billing 06/27/2024		170.61		1,072,645.23
06/27/2024	UB		Online Payment		734.15		1,073,379.38
06/28/2024	PR	CHK	SUMMARY PR 06/28/2024			8,000.46	1,065,378.92
06/28/2024	CD	CRK	SUMMARY CD 06/28/2024			700.00	1,064,678.92
06/28/2024	UB		Online Payment		1,831.18		1,066,510.10
06/28/2024	CR	RCPT	Utility Billing 06/28/2024		1,037.11		1,067,547.21
06/28/2024	CR	RCPT	Utility Billing 06/28/2024		1,399.76		1,068,946.97
06/28/2024	UB		Online Payment		299.08		1,069,246.05
06/29/2024	UB		Online Payment		771.10		1,070,017.15
06/30/2024	UB		Online Payment		1,096.07		1,071,113.22
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	3,980.04		1,075,093.26
06/30/2024			31-00-1020	END BALANCE	157,604.34	70,085.57	1,075,093.26
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06/01/2024			31-00-1022 CASH IN BANK - BYRON BANK		BEG. BALANCE		128,786.47
06/03/2024	CR	RCPT	Utility Billing 06/03/2024		248.89		129,035.36
06/04/2024	CR	RCPT	Utility Billing 06/04/2024		324.11		129,359.47
06/05/2024	CR	RCPT	Utility Billing 06/05/2024		121.92		129,481.39
06/06/2024	CR	RCPT	Utility Billing 06/06/2024		252.08		129,733.47
06/07/2024	CR	RCPT	Utility Billing 06/07/2024		209.57		129,943.04
06/10/2024	CR	RCPT	Utility Billing 06/10/2024		137.99		130,081.03
06/11/2024	CR	RCPT	Utility Billing 06/11/2024		77.54		130,158.57
06/12/2024	CR	RCPT	Utility Billing 06/12/2024		124.63		130,283.20
06/14/2024	CR	RCPT	Utility Billing 06/14/2024		55.42		130,338.62
06/17/2024	CR	RCPT	Utility Billing 06/17/2024		371.73		130,710.35
06/18/2024	CR	RCPT	Utility Billing 06/18/2024		260.31		130,970.66
06/19/2024	CR	RCPT	Utility Billing 06/19/2024		404.48		131,375.14
06/21/2024	CR	RCPT	Utility Billing 06/21/2024		504.52		131,879.66
06/24/2024	CR	RCPT	Utility Billing 06/24/2024		99.76		131,979.42
06/30/2024	GJ	JE	INTEREST COMMINGLED ACCT BYRON BANK	1523	513.38		132,492.80
06/30/2024			31-00-1022	END BALANCE	3,706.33	0.00	132,492.80
					<hr/>		
UNCLASSIFIED: Unclassified					161,310.67	70,085.57	1,207,586.06
TOTAL FOR FUND 31 WATER & SEWER FUND					161,310.67	70,085.57	1,207,586.06
					<hr/>		
Fund 32 DEBT SERVICE FUND							
Unclassified							
06/01/2024			32-00-1020 CASH IN BANK		BEG. BALANCE		(3,630.33)
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522		14.04	(3,644.37)
06/30/2024			32-00-1020	END BALANCE	0.00	14.04	(3,644.37)
					<hr/>		
06/01/2024			32-00-1030 MONEY MARKET		BEG. BALANCE		28,266.24
06/30/2024	GJ	JE	INTEREST RECEIVED	1524	39.50		28,305.74
06/30/2024			32-00-1030	END BALANCE	39.50	0.00	28,305.74
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UNCLASSIFIED: Unclassified					39.50	14.04	24,661.37
TOTAL FOR FUND 32 DEBT SERVICE FUND					39.50	14.04	24,661.37
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Fund 90 GOV FUNDS CAPITAL PROJECTS FUND							
Unclassified							
06/31/2024			90-00-1020 CASH IN BANK		BEG. BALANCE		1,842,533.

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
90-00-1020 CASH IN BANK					(Continued)		
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			3,803.14	1,838,729.94
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			306,789.64	1,531,940.30
06/14/2024	CD	CHK	SUMMARY CD 06/14/2024			129,068.00	1,402,872.30
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	6,274.31		1,409,146.61
06/30/2024			90-00-1020	END BALANCE	6,274.31	439,660.78	1,409,146.61
UNCLASSIFIED: Unclassified					6,274.31	439,660.78	1,409,146.61
TOTAL FOR FUND 90 GOV FUNDS CAPITAL PROJECTS FUND					6,274.31	439,660.78	1,409,146.61

TO BE ATTACHED IN PACKET AS SUMMARY REPORT

FOR APPROVAL	July 2024 Checks	Voted on at July Meeting	Actual to Date	Estimate Additional	Total by Type
AP Checks	\$203,624.93	\$0.00	\$203,624.93		
EFTS	\$0.00	\$24,544.53	\$24,544.53		Solutions Bank Payment and Postage
Payroll	\$24,349.91	\$25,000.00	\$49,349.91		7/26/2024 Payroll
Other	\$17,487.41	\$0.00	\$17,487.41		Medical Insurance Premiums
Total	\$245,462.25	\$49,544.53	\$295,006.78		

Specific Breakout: Actual for the month paid Estimate Additional Total by Type

Events	\$365.63	\$0.00	\$365.63		Neighbor's Night Advertising
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FINAL NUMBERS

	June 2024 Final Checks Requested	Actual	To be finalized at July 24 meeting Difference
Total	\$365.63	\$0.00	\$365.63
Monthly Approvals			
AP Checks	\$589,168.25	\$589,168.25	\$0.00
EFTS (ACH)	\$24,544.53	\$24,544.53	\$0.00
Payroll	\$51,282.98	\$47,802.72	\$3,480.26
Other	\$17,487.41	\$17,487.41	\$0.00

Specific Breakout: Requested Actual Difference

Total	\$682,483.17	\$679,002.91	\$3,480.26
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Estimated Payroll
Medical Insurance Premiums

07/11/2024 CHECK REGISTER
CHECK DATE FROM 07/01/2024 - 07/31/2024

Check Date	Bank	Check	App Vendor	Vendor Name	Description	Amount
Bank OPER COMMINGLED OPERATING ACCOUNT						
07/10/2024	OPER	28853	AP 0632	A1 CLEANING SERVICES	VH CLEANING 07.06.24	885.00
07/10/2024	OPER	28854	AP 0371	ABBY PEST ELIMINATION LLC	PEST CONTROL@VH, PW SHOP, NWWTP, NEW PW S	722.00
07/10/2024	OPER	28855	AP 0006	ADT COMMERCIAL LLC	FIRE & SECURITY SERVICE 7.26-08.25.24	216.81
07/10/2024	OPER	28856	AP 0604	ADVANCE AUTO PARTS	DETAILER / INTERIOR CLEANER - NEW CAR SM	22.57
07/10/2024	OPER	28857	AP 0338	AMAZON.COM	VH OFFICE SUPPLIES & ITEMS FOR TEST NORT	984.99
07/10/2024	OPER	28858	AP 0356	B&F CONSTRUCTION CODE SERVICE, INC.	PLN RVW 2024-109 - 138 BULLARD - SOLAR	14,657.22
07/10/2024	OPER	28859	AP 0361	BLAIN'S FARM & FLEET	RETAINING RINGS - MOTOR OIL - BLK SPRAY	324.53
07/10/2024	OPER	28860	AP 0041	BOONE COUNTY SHOPPER	NEIGHBORS FEST AD 06.06.24	365.63
07/10/2024	OPER	28861	AP 0078	CARD SERVICE CENTER	SWIFTER DUSTER-DISH SOAP-PAPER TOWELS-TO	216.78
07/10/2024	OPER	28862	AP 0098	CINTAS CORPORATION	SOAP,SANI-CLIPS,FLOORMAT,UNIFORM/JEAN CL	348.46
07/10/2024	OPER	28863	AP 0639	COMCAST	INTERNET & SECURITY EDGE @ 111 E PARK ST	222.90
07/10/2024	OPER	28864	AP 0278	COMED	3174406000 - 4194 DAWSON LAKE RD L/S	27,463.58
07/10/2024	OPER	28865	AP 0278	COMED	5318627000 - 12305 RT 76 L/S	31.17
07/10/2024	OPER	28866	AP 0073	CONSERV FS INC	(2.5) GAL ROUNDUP QUIKPRO PARKS & STREET	1,757.26
07/10/2024	OPER	28867	AP 0347	CORE & MAIN LP	FLEXNET M2 SFTWR SUPPORT 3.12.24-3.12.25	2,440.00
07/10/2024	OPER	28868	AP 0097	FOX VALLEY INTERNET, INC.	NWWTP & SWWTP INTERNET	54.90
07/10/2024	OPER	28869	AP 0096	FRONTIER	VILLAGE PHONE LINES X13	1,147.16
07/10/2024	OPER	28870	AP 0641	GILLEY'S HEATING & AIR CONDITIONING	100 S STATE ST NEW FURNANCE & AC	8,910.00
07/10/2024	OPER	28871	AP 0424	GO TO COMMUNICATIONS INC	VH PHONE, INTERNET, EMAIL	181.36
07/10/2024	OPER	28872	AP 0106	GRAINGER	CAM & GROOVE GASKET @ NWWTP	9.88
07/10/2024	OPER	28873	AP 0109	HAWKINS, INC.	ALUMINUM SULFATE LIQUID	4,723.80
07/10/2024	OPER	28874	AP 0364	HOME DEPOT CREDIT SERVICES	CONCRETE FORM STAKES	316.74
07/10/2024	OPER	28875	AP 0636	HYDRAULIC SUPPLY COMPANY	HYDRAULIC REPAIR - KUBOTA	82.34
07/10/2024	OPER	28876	AP 0126	ILLINOIS ENVIROMENTAL PROTECTION AG	NPDS PERMIT EPA SWWTP 7.1.24-6.30.25	15,000.00
07/10/2024	OPER	28877	AP 0126	ILLINOIS ENVIROMENTAL PROTECTION AG	NPDS PERMIT EPA NWWTP 7.1-24-6.30.25	7,500.00
07/10/2024	OPER	28878	AP 0351	JOHNSON TRACTOR	M5-111 KUBOTA TRACTOR WINDOW	457.55
07/10/2024	OPER	28879	AP 0335	LAWSON PRODUCTS, INC.	(10) TUFF TORQ HEX NUTS	25.20
07/10/2024	OPER	28880	AP 0159	MCMAHON ASSOCIATES, INC.	MFT VLG POPLAR GROVE 4.28-06.01.24	9,943.66
07/10/2024	OPER	28881	AP 0163	MEDIACOM	VH INTERNET	269.89
07/10/2024	OPER	28882	AP 0165	MENARDS	1 X 6 FOR BURLED WOOD CURB REPAIRS	382.45
07/10/2024	OPER	28883	AP 0329	MR. GOODWATER	COOLER RENTAL @ VH	101.70
07/10/2024	OPER	28884	AP 0196	N-TRAK GROUP, LLC	(4) SANITARY SERVICE REPAIRS BULLARD ST	19,568.46
07/10/2024	OPER	28885	AP 0053	NAPA AUTO PARTS	OIL & OIL FILTER FOR PW DIR TRK	35.25
07/10/2024	OPER	28886	AP 0186	NICOR GAS	4194 DAWSON LK RD L/S	959.70
07/10/2024	OPER	28887	AP 0192	NORTHERN ILLINOIS SERVICE CO	CA-6 BEDROCK FOR BEAVER ROAD	2,028.76
07/10/2024	OPER	28888	AP 0211	PITNEY BOWES INC.	POSTAGE METER RENTAL & ANNUAL SERVICE AG	448.35
07/10/2024	OPER	28889	AP 0627	POINT READY MIX	CEMENT-WEST GROVE SIDEWALK REPAIRS	2,884.50
07/10/2024	OPER	28890	AP MISC	RALPH FESSENDEN	BLDG PERMIT REFUND 2024-55 107 ORCHARD-	95.00
07/10/2024	OPER	28891	AP 0435	ROCK ROAD COMPANIES	VPG PORTION FOR BEAVER RD 6.8-6.21.24	41,174.02
07/10/2024	OPER	28892	AP 0220	ROCKFORD BUSINESS SYSTEMS, INC	COPY MACHINE MAINT B/W & COLOR COPIES JU	94.83
07/10/2024	OPER	28893	AP 0408	SABEL MECHANICAL LLC.	SBR PUMP REPAIR @ NWWTP	6,532.84
07/10/2024	OPER	28894	AP 0319	SOSNOWSKI SZETO, LLP	LEGAL - VPG VS US BANK 103 EAST ST	4,818.00
07/10/2024	OPER	28895	AP 0248	STEINER ELECTRIC COMPANY	(2) STARTERS & (2) THERMAL UNITS @ COLLE	1,967.82
07/10/2024	OPER	28896	AP 0355	TEST INC.	IL0070300-SOUTH W#586 IEPA TESTING	19,169.51
07/10/2024	OPER	28897	AP 0259	TWIN TOWERS INC.	PW TRUCK MANGNETS	128.00
07/10/2024	OPER	28898	AP 0261	U.S. CELLULAR	WWTP, CLRK, VLG PRES, TABLET & HOTSPOT	239.42
07/10/2024	OPER	28899	AP 0265	VORTEX TECHNOLOGIES INC	(5) ONSITE CALIBRATIONS	2,125.00
07/10/2024	OPER	28901	AP 0597	VERIZON	PW,VPG ADMIN,HOTSPOT,(2) TABLETS	192.61
07/10/2024	OPER	28902	AP 0429	WEX BANK - MARATHON FLEET CARD	PUBLIC WORKS FUEL 5.16-6.15.24	1,397.33
					SUBTOTAL:	203,624.93
July	OPER	Estimated		BB COMMUNITY LEASING SERVICES INC.	LEASE SWEEPER PRINCIPAL & INTEREST PYMT	2,252.11
July	OPER	Estimated		SOLUTIONS BANK	INTEREST & PRINCIPAL - PW NOTE 40007	21,492.42
July	OPER	Estimated		PITNEY BOWES INC.	POSTAGE - ADMIN-WATER-SEWER	800.00
					SUBTOTAL:	24,544.53
07/03/2024	OPER	EFT668(E)	PR BCBS OF IL	BLUE CROSS BLUE SHIELD OF ILLINOIS		15,975.26
07/03/2024	OPER	EFT669(E)	PR DENTAL/VISH	HUMANA INSURANCE COMPANY		1,028.99
07/05/2024	OPER	28850	PR NCPERS	NCPERS GROUP LIFE INS		144.00
					SUBTOTAL:	17,148.25
07/12/2024	OPER	28851	PR 021	DANNER, CHRISTOPHER		330.49
07/12/2024	OPER	28852	PR 048	LAMPE, RENEE		996.17
07/12/2024	OPER	DD2126(A)	PR 028	BOYD, CARINA		2,395.67
07/12/2024	OPER	DD2127(A)	PR 026	HOWE, DAVID		2,457.78
07/12/2024	OPER	DD2128(A)	PR 011	JASTER, KATELYN		1,185.44
07/12/2024	OPER	DD2129(A)	PR 041	KNIGHTEN, ZACHERY		1,325.75
07/12/2024	OPER	DD2130(A)	PR 029	MARTENSON, KYLE		1,565.83
07/12/2024	OPER	DD2131(A)	PR 019	MILLER, KARRI		514.80
07/12/2024	OPER	DD2132(A)	PR 036	RESCH, BARBARA		1,247.12
07/12/2024	OPER	DD2133(A)	PR 049	RUCKER, STEPHEN		1,308.41
07/12/2024	OPER	DD2134(A)	PR 047	SALLEY, DANIEL		1,228.78

07/11/2024 CHECK REGISTER
CHECK DATE FROM 07/01/2024 - 07/31/2024

Check Date	Bank	Check	App Vendor	Vendor Name	Description	Amount
Bank OPER COMMINGLED OPERATING ACCOUNT						
07/12/2024	OPER	DD2135(A)	PR 037	SATTLER, DONALD		713.12
07/12/2024	OPER	EFT671(E)	PR IRS	INTERNAL REVENUE SERVICE		4,666.54
07/12/2024	OPER	EFT672(E)	PR STATE OF IL	STATE OF ILLINOIS		893.04
					SUBTOTAL:	20,828.94
07/26/2024		Estimated		Payroll		25,000.00
S					SUBTOTAL:	25,000.00
07/03/2024	OPER	EFT670(E)	PR IMRF	IMRF		3,520.97
					SUBTOTAL:	3,520.97
					TOTAL:	294,667.62

07/11/2024 CHECK REGISTER
CHECK DATE FROM 06/01/2024 - 06/30/2024

Check Date	Bank	Check	App	Vendor	Vendor Name	Description	Amount	Approved
Bank OPER COMMINGLED OPERATING ACCOUNT								
06/07/2024	OPER	28795	AP	0632	A1 CLEANING SERVICES	VH CLEANING 06.02.24	885.00	
06/07/2024	OPER	28796	AP	0371	ABBY PEST ELIMINATION LLC	VH SPRING EXTERIOR TREATMENT	205.00	
06/07/2024	OPER	28797	AP	0006	ADT COMMERCIAL LLC	FIRE & SECURITY SERVICE 06.26-07.25.24	394.48	
06/07/2024	OPER	28798	AP	0338	AMAZON.COM	5 GAL WATER JUG RACK RETURNED	1,134.83	
06/07/2024	OPER	28799	AP	0293	AQUATEC, INC.	(4) DECANTER AIR BAGS BELLOW ACTUATOR SW	920.00	
06/07/2024	OPER	28800	AP	0356	B&F CONSTRUCTION CODE SERVICE, INC.	PLN RVW 2024-68 2910 HOWARD ST - SOLAR	2,479.18	
06/07/2024	OPER	28801	AP	0361	BLAIN'S FARM & FLEET	AA BATTERIES & OIL DRI	578.46	
06/07/2024	OPER	28802	AP	0294	BOONE COUNTY JOURNAL	AD FOR STREET BID VPG	346.00	
06/07/2024	OPER	28803	AP	0040	BOONE COUNTY MOTOR FUEL TAX FUND	(15) BUCKETS HWY SALT 2023 - 2024	3,613.05	
06/07/2024	OPER	28804	AP	0041	BOONE COUNTY SHOPPER	2024 SUMMER GUIDE AD	415.00	
06/07/2024	OPER	28805	AP	0078	CARD SERVICE CENTER	BOUNCE HOUSE FOR NEIGHBORS NIGHT	1,429.15	
06/07/2024	OPER	28806	AP	0098	CINTAS CORPORATION	SOAP,SANI-CLIPS,FLOORMAT,UNIFORM/JEAN CL	149.34	
06/07/2024	OPER	28807	AP	0639	COMCAST	INTERNET & SECURITY EDGE @ 111 E PARK ST	222.90	
06/07/2024	OPER	28808	AP	0278	COMED	5318627000 - 12305 RT 76 L/S	27,575.00	
06/07/2024	OPER	28809	AP	0278	COMED	COMMUNITY & DUSK TO DAWN STREET LIGHTS	4,132.91	
06/07/2024	OPER	28810	AP	0073	CONSERVFS INC	(7.5) GAL ROUNDUP QUIKPRO - PARK & STREE	799.88	
06/07/2024	OPER	28811	AP	0097	FOX VALLEY INTERNET, INC.	NWWT&P & SSWT&P INTERNET	54.90	
06/07/2024	OPER	28812	AP	0096	FRONTIER	VILLAGE PHONE LINES X13	1,149.54	
06/07/2024	OPER	28813	AP	0563	GLOBAL INDUSTRIAL	(2) FLAMMABLE CABINETS @ PW BLDG REQ BY	2,138.30	
06/07/2024	OPER	28814	AP	0424	GO TO COMMUNICATIONS INC	VH PHONE, INTERNET, EMAIL 06.01-6.30.24	313.98	
06/07/2024	OPER	28815	AP	0109	HAWKINS, INC.	AZONE-HYDROFLUOSILICIC ACID-LPC-AM	5,508.12	
06/07/2024	OPER	28816	AP	0364	HOME DEPOT CREDIT SERVICES	LOCK FOR PJ TRAILER	36.20	
06/07/2024	OPER	28817	AP	0123	ILLINOIS RURAL WATER ASSOCIATION	IRWA MEMBERSHIP WATER & SEWER 07.01.24-0	428.90	
06/07/2024	OPER	28818	AP	0351	JOHNSON TRACTOR	WOODS TURF DECK IDLER-BEARINGS-BELTS-GEA	1,057.66	
06/07/2024	OPER	28819	AP	0335	LAWSON PRODUCTS, INC.	(100) STEEL FLANGE NUTS	24.77	
06/07/2024	OPER	28820	AP	0159	MCMAHON ASSOCIATES, INC.	MFT VLG POPLAR GROVE 03/31-04/27/24	10,497.16	
06/07/2024	OPER	28821	AP	0163	MEDIACOM	VH INTERNET	269.89	
06/07/2024	OPER	28822	AP	0165	MENARDS	BLUE TWLS-GARBAGE BAGS-BRAKE CLEANER EYE	604.24	
06/07/2024	OPER	28823	AP	0174	MORTON SALT, INC.	(95900) LB HWY SALT 05.31.24	41,353.81	
06/07/2024	OPER	28824	AP	0329	MR. GOODWATER	COOLER RENTAL @ PW BLDG	85.86	
06/07/2024	OPER	28825	AP	0053	NAPA AUTO PARTS	F250 TRK CREDIT FOR CORE DEPOSIT	239.96	
06/07/2024	OPER	28826	AP	0178	NATIONAL FLAG STORE	(4) 5 X 8 FLAGS FOR VH & VLG PARKS	540.00	
06/07/2024	OPER	28827	AP	0186	NICOR GAS	287 PRAIRIE KNOLL L/S	1,376.26	
06/07/2024	OPER	28828	AP	0192	NORTHERN ILLINOIS SERVICE CO	(9.48) CFT ARBORETUM WALKING PATH RESTOR	75.84	
06/07/2024	OPER	28829	AP	0489	P.C. TECH 2 U	ONSITE-DROPPED OFF & CHECKED (2) DESKTOP	919.99	
06/07/2024	OPER	28830	AP	0211	PITNEY BOWES INC.	(2) POSTAGE MACHINE RED INK	265.58	
06/07/2024	OPER	28831	AP	0426	PYROTECNICO FIREWORKS INC	NEIGHBORS FEST FIREWORKS 6.8.24	7,500.00	
06/07/2024	OPER	28832	AP	0225	R.J. DANIELS FUEL & TIRE	ENCLOADER TIRE REPAIR	213.04	
06/07/2024	OPER	28833	AP	0435	ROCK ROAD COMPANIES	VPG PORTION FOR BEAVER RD 5.15-5.25.24	2,070.57	
06/07/2024	OPER	28834	AP	0220	ROCKFORD BUSINESS SYSTEMS, INC	COPY MACHINE MAINT B/W & COLOR COPIES	127.69	
06/07/2024	OPER	28835	AP	0231	ROCKFORD REGISTER STAR	P/Z MEETING & PG AIRPORT 04.24.24	324.14	
06/07/2024	OPER	28836	AP	0319	SOSNOWSKI SZETO, LLP	LEGAL - VPG VS US BANK 103 EAST ST	10,255.99	
06/07/2024	OPER	28837	AP	0355	TEST INC.	1L0070300-SOUTH W#5&6 IEPA TESTING	760.00	
06/07/2024	OPER	28838	AP	0256	TILFORD'S AUTO & TRUCK SERVICE	M5-111 KU60TA AC REPAIR	318.66	
06/07/2024	OPER	28839	AP	0259	TWIN TOWERS INC.	(6) GREEN T'S PW DEPT	46.50	
06/07/2024	OPER	28840	AP	0261	U.S. CELLULAR	WWT&P,CLRK,VLG PRES, TABLET & HOTSPOT	249.42	
06/07/2024	OPER	28841	AP	0597	VERIZON	PW,VPG ADMIN,HOTSPOT,(2) TABLETS	192.61	
06/07/2024	OPER	28842	AP	0429	WEX BANK - MARATHON FLEET CARD	PUBLIC WORKS FUEL 04-15-24 - 05.15.24	733.34	
06/07/2024	OPER	28843	AP	0625	LARSON & LARSON BUILDERS INC	NEW PW BLDG - P0031-7-22-00241-H	306,789.64	
06/14/2024	OPER	28845	AP	0610	LINDCO EQUIPMENT SALES	24 FORD PLW TRK BUILD OUT 1FDYF7DX6RDF01	122,013.00	
06/14/2024	OPER	28846	AP	0635	STUDIO GWA	FEB 2024 STRATEGIC PLANNING	7,055.00	
06/14/2024	OPER	28847	AP	0355	TEST INC.	WATER & SEWER CONTRACT 2024	18,297.51	
						SUBTOTAL:	589,168.25	589,168.25
06/17/2024	OPER	165(E)	AP	0491	BB COMMUNITY LEASING SERVICES INC.	LEASE SWEEPER PRINCIPAL & INTEREST PYMT	2,252.11	
06/17/2024	OPER	166(E)	AP	0217	SOLUTIONS BANK	INTEREST & PRINCIPAL - PW NOTE 40007	21,492.42	
06/28/2024	OPER	164(E)	AP	0211	PITNEY BOWES INC.	POSTAGE - ADMIN-WATER-SEWER	800.00	
						SUBTOTAL:	24,544.53	24,544.53
06/03/2024	OPER	28794	PR	NCPERS	NCPERS GROUP LIFE INS		144.00	
06/05/2024	OPER	EFT661(E)	PR	BCBS OF IL	BLUE CROSS BLUE SHIELD OF ILLINOIS		16,345.90	
06/05/2024	OPER	EFT662(E)	PR	DENTAL/VISI	HUMANIA INSURANCE COMPANY		997.51	
						SUBTOTAL:	17,487.41	17,487.41
06/14/2024	OPER	28844	PR	021	DANNER, CHRISTOPHER		575.21	
06/14/2024	OPER	DD2105(A)	PR	028	BOYD, CARINA		2,394.54	
06/14/2024	OPER	DD2106(A)	PR	026	HOWE, DAVID		2,454.12	
06/14/2024	OPER	DD2107(A)	PR	011	JASTER, KATELYN		1,181.66	
06/14/2024	OPER	DD2108(A)	PR	041	KNIGHTEN, ZACHERY		1,324.42	
06/14/2024	OPER	DD2109(A)	PR	048	LAMPE, RENEE		992.50	
06/14/2024	OPER	DD2110(A)	PR	029	MARTENSON, KYLE		1,622.06	
06/14/2024	OPER	DD2111(A)	PR	019	MILLER, KARRI		514.80	
06/14/2024	OPER	DD2112(A)	PR	036	RESCH, BARBARA		1,245.80	
06/14/2024	OPER	DD2113(A)	PR	049	RUCKER, STEPHEN		1,308.41	
06/14/2024	OPER	DD2114(A)	PR	047	SALLEY, DANIEL		1,174.59	
06/14/2024	OPER	DD2115(A)	PR	037	SATTLER, DONALD		713.11	
06/14/2024	OPER	EFT663(E)	PR	IRS	INTERNAL REVENUE SERVICE		4,693.34	
06/14/2024	OPER	EFT664(E)	PR	STATE OF IL	STATE OF ILLINOIS		905.50	
						SUBTOTAL:	21,100.06	21,100.05
06/28/2024	OPER	28848	PR	021	DANNER, CHRISTOPHER		718.54	
06/28/2024	OPER	28849	PR	036	RESCH, BARBARA		1,245.80	
06/28/2024	OPER	DD2116(A)	PR	028	BOYD, CARINA		2,364.54	

07/11/2024 CHECK REGISTER
 CHECK DATE FROM 06/01/2024 06/30/2024

Check Date	Bank	Check	App Vendor	Vendor Name	Description	Amount	Approved
Bank OPER COMMINGLED OPERATING ACCOUNT							
06/28/2024	OPER	DD2117(A)	PR 026	HOWE, DAVID		2,370.96	
06/28/2024	OPER	DD2118(A)	PR 011	JASTER, KATELYN		1,181.68	
06/28/2024	OPER	DD2119(A)	PR 041	KNIGHTEN, ZACHERY		1,384.03	
06/28/2024	OPER	DD2120(A)	PR 048	LAMPE, RENEE		992.50	
06/28/2024	OPER	DD2121(A)	PR 029	MARTENSON, KYLE		1,468.09	
06/28/2024	OPER	DD2122(A)	PR 019	MILLER, KARRI		514.79	
06/28/2024	OPER	DD2123(A)	PR 049	RUCKER, STEPHEN		1,368.00	
06/28/2024	OPER	DD2124(A)	PR 047	SALLEY, DANIEL		1,078.03	
06/28/2024	OPER	DD2125(A)	PR 037	SATTLER, DONALD		713.13	
06/28/2024	OPER	EFT665(E)	PR IRS	INTERNAL REVENUE SERVICE		4,759.14	
06/28/2024	OPER	EFT666(E)	PR STATE OF IL	STATE OF ILLINOIS		922.91	
06/28/2024	OPER	EFT667(E)	PR UNION DUES	I.U.O.E. LOCAL 150		437.70	
					SUBTOTAL:	21,519.84	25,000.00 Estimated
06/03/2024	OPER	EFT660(E)	PR IMRF	IMRF		5,182.92	
					SUBTOTAL:	5,182.92	5,182.92

CHECK REGISTER FOR VILLAGE OF POPLAR GROVE
 CHECK DATE FROM 07/01/2024 - 07/31/2024

Check #	Date	Bank	Check	Vendor	Vendor Name	Invoice Vendor	Description	Amount
07/10/2024		OPBR	28883	0329	MR. GOODWATER	MENARDS	1 X 6 FOR BURLED WOOD CURB	42.57
					MR. GOODWATER		(2) 5 GAL DRINKING WATER	22.34
					MR. GOODWATER		(3) 5 GAL DRINKING WATER @	23.76
					MR. GOODWATER		(2) 5 GAL DRINKING WATER @	15.84
					MR. GOODWATER		(3) 5 GAL DRINKING WATER @	23.76
					MR. GOODWATER		COOLER RENTAL @ VH	8.00
					MR. GOODWATER		COOLER RENTAL @ VH	8.00
								101.70
07/10/2024		OPBR	28884	0196	N-TRAK GROUP, LLC	N-TRAK GROUP, LLC	(4) SANITARY SERVICE REPAI	19,568.46
07/10/2024		OPBR	28885	0053	NAPA AUTO PARTS	NAPA AUTO PARTS	OIL & OIL FILTER FOR PW DI	35.25
07/10/2024		OPBR	28886	0186	NICOR GAS	NICOR GAS	13505 HARVEST WAY I/S	158.54
					NICOR GAS		4420 MENGE LN W#4	44.42
					NICOR GAS		111 E PARK ST - PW BUILDIN	222.80
					NICOR GAS		203 BEAVER DR. L/S	45.30
					NICOR GAS		100 S STATE ST. W#2	43.12
					NICOR GAS		610 S STATE ST. NWWTP	56.18
					NICOR GAS		1221 RT76 SWTP	164.25
					NICOR GAS		4870 WOODSTOCK RD W#5&6	43.54
					NICOR GAS		211 W GROVE RT 173 W#3	43.99
					NICOR GAS		287 PRAIRIE KNOLL I/S	45.72
					NICOR GAS		1001 WACO WAY C/L/S	47.20
					NICOR GAS		4194 DAWSON LK RD I/S	44.64
								959.70
07/10/2024		OPBR	28887	0192	NORTHERN ILLINOIS SERVI	NORTHERN ILLINOIS SERVI	(71.34) CFT ARBORETUM WLKG	570.72
					NORTHERN ILLINOIS SERVI		CA-6 BEDROCK FOR BEAVER RO	1,458.04
								2,028.76
07/10/2024		OPBR	28888	0211	PITNEY BOWES INC.	PITNEY BOWES INC.	POSTAGE METER RENTAL & ANN	448.35
07/10/2024		OPBR	28889	0627	POINT READY MIX	POINT READY MIX	CEMENT FOR BURLED WOOD CUR	406.50
					POINT READY MIX		CEMENT FOR BURLED WOOD CUR	406.50
					POINT READY MIX		CEMENT FOR WEST GROVE SIDE	836.25
					POINT READY MIX		CEMENT-WEST GROVE SIDEWALK	1,235.25
								2,884.50
07/10/2024		OPBR	28890	MISC	RALPH FESSENDEN	RALPH FESSENDEN	BLDG PERMIT REFUND 2024-55	95.00
07/10/2024		OPBR	28891	0435	ROCK ROAD COMPANIES	ROCK ROAD COMPANIES	VIG PORTION FOR BEAVER RD	41,174.02
07/10/2024		OPBR	28892	0220	ROCKFORD BUSINESS SYSTE	ROCKFORD BUSINESS SYSTE	COPY MACHINE MAINT B/W & C	94.83
07/10/2024		OPBR	28893	0408	SABEL MECHANICAL LLC.	SABEL MECHANICAL LLC.	FLYGT 3102 REPAIR @ NWWTP	5,384.10
					SABEL MECHANICAL LLC.		SBR PUMP REPAIR @ NWWTP	1,148.74
								6,532.84
07/10/2024		OPBR	28894	0319	SOSNOWSKI SZETO, LLP	SOSNOWSKI SZETO, LLP	LEGAL - GENERAL - JUNE 202	3,807.00
					SOSNOWSKI SZETO, LLP		LEGAL - 131 BULLARD - CODE	368.00
					SOSNOWSKI SZETO, LLP		LEGAL - VIG PG VS EPI	506.00
					SOSNOWSKI SZETO, LLP		LEGAL - VPG VS US BANK 103	137.00
								4,818.00
07/10/2024		OPBR	28895	0248	STEINER ELECTRIC COMPAN	STEINER ELECTRIC COMPAN	(2) STARTERS & (2) THERMAL	1,967.82

TREASURER
Poplar Grove

Item 4.

Date Bank Check Vendor Invoice Vendor Description Amount

Date	Bank	Check	Vendor	Invoice Vendor	Description	Amount
07/10/2024	OPER	28896	0355	TEST INC.	TEST INC.	36.00
					TEST INC.	315.00
					TEST INC.	220.00
					TEST INC.	18,297.51
					TEST INC.	17.00
					TEST INC.	17.00
					TEST INC.	50.00
					TEST INC.	17.00
					TEST INC.	100.00
					TEST INC.	100.00
					TEST INC.	19,169.51

07/10/2024	OPER	28897	0259	TWIN TOWERS INC.	TWIN TOWERS INC.	18.00
					TWIN TOWERS INC.	110.00
					TWIN TOWERS INC.	128.00

07/10/2024	OPER	28898	0261	U.S. CELLULAR	U.S. CELLULAR	239.42
07/10/2024	OPER	28899	0265	VORTEX TECHNOLOGIES INC	VORTEX TECHNOLOGIES INC	2,125.00
07/10/2024	OPER	28901	0597	VERIZON	VERIZON	192.61
07/10/2024	OPER	28902	0429	MEX BANK - MARATHON FILE	MEX BANK - MARATHON FILE	1,397.33

OPER TOTALS:

Total of 49 Checks:						203,624.93
Less 0 Void Checks:						0.00
Total of 49 Disbursements:						203,624.93



2323 Fourth Street, PO Box 483 Peru, IL 61354
 Phone: 815-224-1650 Toll Free: 800-659-4659
 www.testinc.com

July 6, 2024

Client: Village of Poplar Grove
 Attn: Don Sattler, Village President
 200 Hill Street
 P.O. Box 01
 Poplar Grove, IL 61065

Plant Type: Wastewater Treatment Plants: North: Class II Sequential batch reactors (SBR).
 South: Class I Sequential batch reactors (SBR).
 Water Treatment Plants: Well Supply with Chemical Addition in all 3 locations

For the water system you will find attached the daily inspection and monitoring reports for each of the water plants and the distribution system testing record. For the wastewater side we have included the monthly DMR for both wastewater plants.

Outlined below are the processes and actions taken during May 2024 in Poplar Grove to improve the facilities equipment beyond required and routine maintenance, testing, inspection and reporting. At times we will also list upcoming needed improvements that may need attention by the Village.

Lift Stations:

- We've started weed eating around the lift stations.
- Collins was supposed to come out, but we have to reschedule.

North WWTP:

- All standard monthly checks/maintenance/cleaning and procedures were completed.
- We had a meeting with Complete Integration about the future upgrades with the Scada system of the plant. We discussed everything we wanted to accomplish and the long and short of it is we need to decide as a board what direction we want to go.
- Decanted digesters.
- Tested all emergency wash stations.
- We've been working with Gasvoda to try and get the disk filter fixed. NOVA, the company that made the filter, is out of business, so we can't just order the parts we need. **This is still ongoing. We received a quote from Gasvoda to repair the filter and make new parts since they can't buy them. It was around \$7,000.**

South WWTP:

- Decanted digesters.
- We pulled the SAM unit out of SBR1 and repaired the air line.
- We had an issue with the level controller for the internal lift station at the plant. It was a bad motor starter. We had Miglivra Electric out to repair that.
- All standard monthly checks/maintenance/cleaning and procedures were completed.
- Tested all emergency wash stations.



2323 Fourth Street, PO Box 483 Peru, IL 61354

Phone: 815-224-1650 Toll Free: 800-659-4659

www.testinc.com

- Sludge was moved from the drying beds.
- We did get some quotes from Dahm to remove and haul the sludge away. We're waiting for the lab results to come back that waste management had requested to haul the sludge ourselves.

Water System:

- Cleaned well houses.
- All daily checks have been completed.
- Chris and Chelsee have started working on the source water protection plan. This is something the IEPA is making every system in the state do.
- Changed and rebuilt some chemical pumps as they start to leak.

All operations and plant inspections have been performed by me or under my direct supervision. As always, if you have any questions concerning the above, please do not hesitate to contact me.

Submitted by,
Total Environmental Service Technologies, Inc.

A handwritten signature in black ink, appearing to read "Ion Stear".

Ion Stear
Certified Operator/Manager

DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business call phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(g), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDDES Reporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit #:	IL0023451	Permittee:	POPLAR GROVE, VILLAGE OF																
Major:	No	Facility Address:	200 NORTH HILL STREET POPLAR GROVE, IL 61065																
Permitted Feature:	001 External Outfall	Facility Location:	POPLAR GROVE - NORTH WWTP, VILLAGE OF 205 EDSON RD POPLAR GROVE, IL 61065																
Report Dates & Status	From 05/01/24 to 05/31/24	Discharge:	001-0 STP OUTFALL																
Monitoring Period:	From 05/01/24 to 05/31/24	DMR Due Date:	06/25/24																
Considerations for Form Completion	BOW ID: W0070150007; DMF LOAD LIMITS DISPLAYED; MONITORING LOCATION *1* IS FOR MONTHLY AVERAGE AND DAILY MAXIMUM MONITORING LOCATION *8* IS FOR WEEKLY AVERAGE.																		
Form NODI:	NetDMR Validated																		
Principal Executive Officer	Telephone: 815-224-1650																		
First Name:	Ion	Title:	Certified Operator																
Last Name:	Steier	Telephone:	815-224-1650																
No Data Indicator (NODI)	-																		
Form NODI:	-																		
Code	Parameter Name	Monitoring Location	Season #	Param. HODI	Value 1	Units	Quantity or Loading	Value 2	Qualifier	Value 3	Units	Quality of Concentration	Value 4	Qualifier	Value 5	Units	# of Frequency of Analysis Ex.	Sample Type	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB
X 00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB
50060	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI														GR - GRAB
					Sample Permit Req. Value NODI														GR - GRAB

74055 Coliform, fecal general Gross 0 0 1 - #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Req Mon DAILY MX #100mL 0 0130 - Monthly GR - G5A8

Req	Mon	DAILY MX	#100mL	0	0130 - Monthly	GR - G5A8
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0	0

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Name	Monitoring Location	Field	Type	Units	Value	Sample Type	Frequency	Units	Value	Sample Type	Frequency
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft								

Comments
PH coverage was a calibration error with the probe.

Attachments
No attachments.

Report Last Saved By
POPULAR GROVE, VILLAGE OF

User:
IONSTEAR

Name:
Ion Stear

E-Mail:
listear@testinc.com

Date/Time:
2024-06-25 12:33 (Time Zone: -05:00)

Report Last Signed By
IONSTEAR

Name:
Ion Stear

E-Mail:
listear@testinc.com

Date/Time:
2024-06-25 12:35 (Time Zone: -05:00)

The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.

DMR Copy of Record

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Permit #:	IL0023451	Permittee:	POPULAR GROVE, VILLAGE OF
Major:	No	Permittee Address:	200 NORTH HILL STREET POPULAR GROVE, IL 61065
Permitted Feature:	INF Influent Structure	Discharge:	INF-L INFLEUENT MONITORING
Report Dates & Status		DMR Due Date:	06/25/24
Monitoring Period:	From 05/01/24 to 05/31/24	Status:	NetDMR Validated
Considerations for Form Completion		Telephone:	815-224-1650
BOW ID:	W0070150007	Title:	Certified Operator
Principal Executive Officer			
First Name:	Ion		
Last Name:	Stear		
No Data Indicator (NODI)			
Form NODI:			

Code	Parameter Name	Monitoring Location	Session #	Param NODI	Sample Permit No. Value NODI	Sample Permit No. Value NODI	Quantity of Loading	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	Quality of Concentration	# of Ex.	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	-					<					78.875	Req Mon MO AVG	19 - mg/L	02DA - 2 Days Every Week	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0	-					=					116.75	Req Mon MO AVG	19 - mg/L	02DA - 2 Days Every Week	CP - COMPOS
50050	Flow, In conduit or thru treatment plant	G - Raw Sewage Influent	0	-					0.304	Req Mon MO AVG	03 - MGD			0.415	Req Mon DAILY MX	03 - MGD	8999 - Continuous	CP - COMPOS

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

Comments

Attachments
No attachments.

Report Last Saved By
POPULAR GROVE, VILLAGE OF

User: eburgamer
Name: Elaine BURGAMER
E-Mail: eburgamer@lestinc.com
Date/Time: 2024-06-25 10:28 (Time Zone: -05:00)

Report Last Signed By

User: IONSTEAR
Name: Ion Stear
E-Mail: istear@lestinc.com

Date/Time.

2024-08-25 12:35 (Time Zone: -05:00)

DMR Copy of Record

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Permit #: IL0071447 Major: Yes		Permittee: POPLAR GROVE, VILLAGE OF 200 S HILL ST POPLAR GROVE, IL 61065		Facility: POPLAR GROVE SOUTH STP, VILLAGE OF 12211 STATE ROUTE 76 POPLAR GROVE, IL 61065												
Permitted Feature: 001 External Outfall		Discharge: 001-0 STP OUTFALL		Status: NotDMR Validated												
Report Dates & Status Monitoring Period: From 05/01/24 to 05/31/24		DMR Date: 06/25/24		Telephone: 815-224-1650												
Considerations for Form Completion BOW ID: W0070150006; DMF LOAD LIMITS DISPLAYED.																
First Name: Ion Last Name: Stear		Title: Certified Operator														
No Data Indicator (NODI) Form NODI: -																
Code	Parameter Name	Monitoring Location	Station #	Permit NODI	Sample Permit Req. Value NODI	Quantity or Loading	Quality or Concentration	Value 1	Qualifier	Value 2	Qualifier	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	15.432	26 - lb/d	48.539	<=	500.0 DAILY MAX	26 - lb/d	7.15	19 - mg/L	0	03DW - 3 Days Every Week	GR - GRAB
X 00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	250.0 MO AVG	500.0 DAILY MAX	6.0	>=	MINIMUM	9.12	12 - SU	19 - mg/L	1	03DW - 3 Days Every Week	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	250.0 MO AVG	500.0 DAILY MAX	15.0	<=	24.0 DAILY MAX	19 - mg/L	19 - mg/L	19 - mg/L	0	03DW - 3 Days Every Week	COMPOS
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	0.421	26 - lb/d	1.553	<=	98.0 DAILY MAX	26 - lb/d	11.92	19 - mg/L	0	0130 - Monthly	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	31.0 MO AVG	98.0 DAILY MAX	0.13	<=	1.5 MO AVG	4.7 DAILY MAX	0.48	19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	8 - Other Treatment, Process Complete	0	-	Sample Permit Req. Value NODI	0.751	26 - lb/d	79.0 WKLY AVG	<=	3.6 WKLY AVG	19 - mg/L	19 - mg/L	19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	2.576	26 - lb/d	1.0 MO AVG	<=	1.0 MO AVG	19 - mg/L	19 - mg/L	19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS

Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	0	0.388	=	0.775	Req Mon DAILY MX	03 - MGD	03 - MGD	99899 - Continuous
50050	Flow, in conduit or thru treatment plant	0	0	0.388	=	0.775	Req Mon DAILY MX	03 - MGD	03 - MGD	99899 - Continuous
50060	Chlorine, total residual	1 - Effluent Gross	0							CLJOC - Chlorination/Occurrences
74055	Coliform, fecal general	1 - Effluent Gross	0							GR - GRAB
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0							GR - GRAB

Sample Permit Req. Value NDDI	Req. Value NDDI	Sample Permit Req. Value NDDI	Req. Value NDDI	Sample Permit Req. Value NDDI	Req. Value NDDI	Sample Permit Req. Value NDDI	Req. Value NDDI	Sample Permit Req. Value NDDI	Req. Value NDDI	Sample Permit Req. Value NDDI	Req. Value NDDI
13 - #/100mL	500.0	13 - #/100mL	400.0 DAILY MX	13 - #/100mL	500.0	13 - #/100mL	400.0 DAILY MX	13 - #/100mL	500.0	13 - #/100mL	400.0 DAILY MX
19 - mg/L	6.0	19 - mg/L	20.0 DAILY MX	19 - mg/L	6.0	19 - mg/L	20.0 DAILY MX	19 - mg/L	6.0	19 - mg/L	20.0 DAILY MX

Submission Note
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Edit Check Errors

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
74055	Coliform, fecal general	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft		Yes
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft		Yes

Comments
 PH overage was a calibration error. Faecal We had a bank of bulbs trip out. Issues has been resolved and we are back in compliance.

Attachments
 No attachments.

Report Last Saved By
 POPLAR GROVE, VILLAGE OF

User: IONSTEAR
Name: Ion Stear
E-Mail: istear@iastinc.com
Date/Time: 2024-06-25 12:32 (Time Zone: -05:00)

Report Last Signed By
User: IONSTEAR
Name: Ion Stear
E-Mail: istear@iastinc.com
Date/Time: 2024-06-25 12:35 (Time Zone: -05:00)

DMR Copy of Record

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business call phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(g), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NEPDES Reporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit #:	IL0071447	Permittee:	POPLAR GROVE, VILLAGE OF	Facility:	POPLAR GROVE SOUTH STP - VILLAGE OF
Major:	Yes	Permittee Address:	200 S HILL ST POPLAR GROVE, IL 61065	Facility Location:	12211 STATE ROUTE 76 POPLAR GROVE, IL 61065
Permitted Feature:	INF Influent Structure	Discharge:	INF INFLUENT MONITORING	Status:	NetDMR Validated
Report Dates & Status		DMR Due Date:	062524	Telephone:	815-224-1650
Monitoring Period:	From 05/01/24 to 05/31/24				
<i>Considerations for Form Completion</i>					
BOW ID:	W0070150006				
Principal/Executive Officer					
First Name:	Ion	Title:	Certified Operator		
Last Name:	Slear				
No Data Indicator (NODI)					
Form NODI:					

Epoch	Parameter	Home	Monitoring Locality	Season #	Param. NODI	Sample Period	Sample Period NODI	Value 1	Qualifier 1	Units	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C		G - Raw Sewage Influent	0	-												03DW - 3 Days Every Week	CP - COMPOS
								78.154		Req Mon MO AVG					19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00530	Solids, total suspended		G - Raw Sewage Influent	0	-												03DW - 3 Days Every Week	CP - COMPOS
								136.0		Req Mon MO AVG					19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
00685	Phosphorus, total [as P]		1 - Effluent Cross	0	-												03DW - 3 Days Every Week	CP - COMPOS
								4.314		Req Mon MO AVG					19 - mg/L	0	03DW - 3 Days Every Week	CP - COMPOS
50050	Flow, in conduit or thru treatment plant		G - Raw Sewage Influent	0	-												9898 - Continuous	CP - COMPOS
								0.204		Req Mon MO AVG					03 - MSD	0	9898 - Continuous	CP - COMPOS
								0.306		Req Mon DAILY MX					03 - MSD	0	9898 - Continuous	CP - COMPOS

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edt. Check Errors
No errors.

Comments

Attachments
No attachments.

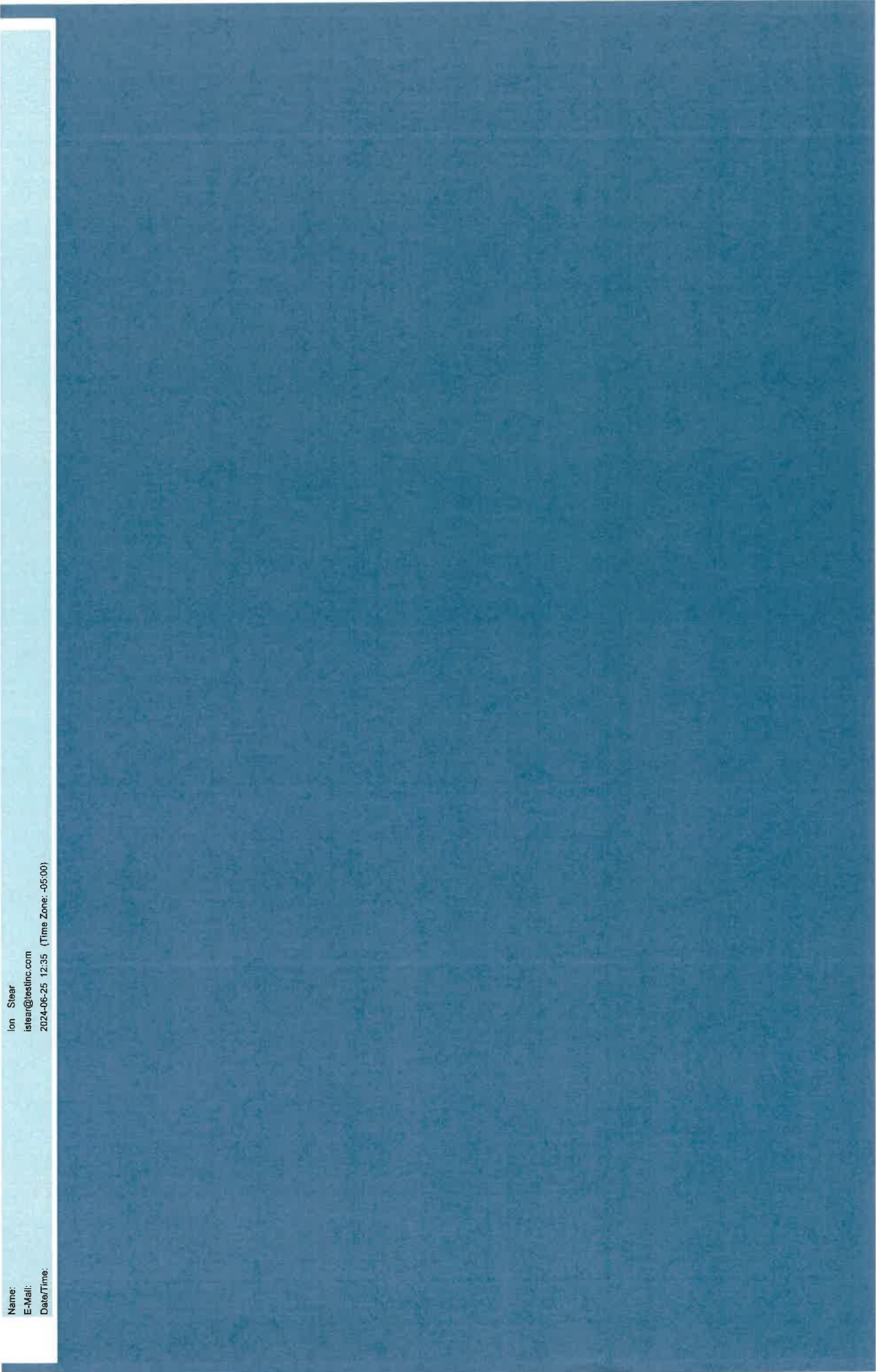
Report Last Saved By
POPLAR GROVE, VILLAGE OF

User:
eburgamer
Elaine BURGAMER
eburgamer@iesinc.com
2024-06-25 10:35 (Time Zone: -05:00)

Report Last Signed By
IONSTEAR

Name:
E-Mail:
Date/Time:

Ion Stear
istear@tesinc.com
2024-06-25 12:35 (Time Zone: -05:00)



VILLAGE OF POPLAR GROVE - NORTH
 FOR THE MONTH OF MAY 2024
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES

IL0070150

MONTHLY OPERATING REPORT

Date	Time	Flow Meter		Hour Meter Well 2		Hour Meter Well 3		Chlorine Feed		Phosphate Feed		Flouride Feed		Operator Initials
		Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	
30-Apr	08:00	431198		10064.5		32747.80		117.00		1.42	52		34.00	GS
1-May	08:00	431329	155	10064.5	0	32754.40	7.90	115.00	2.0	1.55	48	8.00	33.50	GS
2-May	08:00	431484	130	10064.5	0	32762.30	6.70	113.00	1.0	1.68	40	6.00	33.00	GS
3-May	08:00	431614	132	10064.5	0	32769.00	6.70	112.00	1.0	1.65	34	4.00	32.00	GS
4-May	08:00	431746	176	10064.5	0	32775.70	9.00	111.00	1.5	0.83	30	#####	31.75	dh
5-May	08:00	431922	148	10064.5	0	32784.70	7.60	109.50	3.5	0.92	22/100	#####	31.00	dh
6-May	08:00	432070	148	10064.5	0	32792.30	7.40	106.00	1.5	1.32	96	6.00	30.00	GS
7-May	08:00	432218	145	10064.5	0	32799.70	7.50	104.50	1.5	1.41	90	6.00	29.50	GS
8-May	08:00	432363	135	10064.5	0	32807.20	6.80	103.00	2.0	1.37	84	4.00	29.00	GS
9-May	08:00	432498	130	10064.5	0	32814.00	16.70	101.00	1.0	1.48	80	6.00	29.00	GS
10-May	08:00	432628	130	10064.5	0	32830.70	0.70	100.00	2.0	1.32	74	4.00	29.00	GS
11-May	08:00	432758	147	10064.5	0	32831.40	4.20	98.00	3.0	1.32	70	8.00	27.00	BH
12-May	08:00	432905	211	10064.5	0	32835.60	10.00	95.00	1.0	0.88	62	8.00	24.50	BH
13-May	08:00	433116	105	10064.5	0	32845.60	4.40	94.00	0.0	1.16	54	4.00	22.00	BH
14-May	08:00	433221	166	10064.5	0	32850.00	9.40	94.00	4.0	1.31	50	6.00	22.00	GS
15-May	08:00	433387	171	10064.5	0	32859.40	8.80	90.00	1.0	0.85	44	8.00	21.75	dh
16-May	08:00	433558	135	10064.5	0	32868.20	6.80	89.00	3.0	0.78	36	6.00	21.50	dh
17-May	08:00	433693	168	10064.5	0	32875.00	8.70	86.00	1.8	1.42	30	6.00	21.00	GS
18-May	08:00	433861	181	10064.5	0	32883.70	9.20	84.25	2.3	1.27	24	6.00	21.00	dh
19-May	08:00	434042	169	10064.5	0	32892.90	8.60	82.00	2.0	1.22	18/100	6.00	20.90	dh
20-May	08:00	434211	144	10064.5	0	32901.50	7.50	80.00	2.0	1.74	94	6.00	20.50	GS
21-May	08:00	434355	86	10064.5	0	32909.00	4.40	78.00	1.0	1.53	88	4.00	20.25	GS
22-May	08:00	434441	213	10064.5	0	32913.40	10.70	77.00	2.5	1.04	84	8.00	20.00	GS
23-May	08:00	434654	167	10064.5	0	32924.10	8.50	74.50	2.5	1.30	76	6.00	20.00	GS
24-May	08:00	434821	100	10064.5	0	32932.60	5.20	72.00	1.0	1.26	70	4.00	19.90	dh
25-May	08:00	434921	160	10064.5	0	32937.80	8.20	71.00	2.0	1.03	66	6.00	19.75	BH
26-May	08:00	435081	145	10064.5	0	32946.00	7.40	69.00	1.0	1.01	60	6.00	19.00	BH
27-May	08:00	435226	200	10064.5	0	32953.40	10.10	68.00	4.0	1.47	54	8.00	18.90	dh
28-May	08:00	435426	111	10064.5	0	32963.50	6.20	64.00	1.0	1.26	46	6.00	18.50	dh
29-May	08:00	435537	171	10064.5	0	32969.70	8.20	63.00	1.0	1.05	40	6.00	18.25	Bh
30-May	08:00	435708	148	10064.5	0	32977.90	7.60	62.00/160	1.0	1.15	34	2.00	18.00/51	DHR
31-May	08:00	435856	112	10064.5		32985.50	5.80	159.00	0.1	1.33	32	8.00	50.50	DHR
1-Jun	08:00	435968		10064.5		32991.3		158.9		1.6	24/100		50.50	DH
TOT			4527				231			41.90				
AVE			151				8			1.27				
MAX			213				17			1.74				
MIN			86				1			0.78				

Jon Stear

SIGNATURE:
 PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - WEST IL0070350
 FOR THE MONTH OF MAY 2024 MONTHLY OPERATING REPORT
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 4		Chlorine Feed		Phosphate Feed		Flouride Feed		Operator Initials	
		Reading	Pumpage	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L		Scale
30-Apr	08:30	393556	0	8831.52	0	134.50	0.5	1.00	34	6.00	396.90	1.70	GS
1-May	08:30	393635	56	8833.38	1.36	134.00	0.5	1.07	28	4.00	395.2	0.60	GS
2-May	08:30	393691	59	8834.74	1.38	133.50	1.0	1.15	24	4.00	394.60	1.50	GS
3-May	08:30	393750	57	8836.12	1.35	132.50	0.5	1.05	20	6.00	393.10	0.50	GS
4-May	08:30	393807	81	8837.47	2.3	132.00	1.0	0.45	14/100	7.00	392.60	1.80	dh
5-May	08:30	393888	76	8839.77	1.45	131.00	2.0	1.11	93	7.00	390.80	1.00	dhr
6-May	08:30	393964	77	8841.22	1.83	129.00	0.5	1.27	86	6.00	389.80	1.60	GS
7-May	08:30	394041	58	8843.05	1.39	128.50	0.5	1.13	80	4.00	388.20	1.10	GS
8-May	08:30	394099	56	8844.44	1.32	128.00	0.0	1.09	76	6.00	387.10	1.00	GS
9-May	08:30	394155	56	8845.76	1.34	127.50	1.0	1.41	70	4.00	386.10	0.90	GS
10-May	08:30	394211	74	8847.1	1.72	127.00	1.0	1.16	66	6.00	385.20	1.20	GS
11-May	08:30	394285	49	8848.82	1.43	126.00	1.0	1.17	60	6.00	384.00	1.10	BH
12-May	08:30	394334	90	8850.25	1.92	125.00	1.0	0.90	54	4.00	382.90	1.40	BH
13-May	08:30	394424	59	8852.17	1.39	124.00	0.5	0.60	50	6.00	381.50	1.20	dh
14-May	08:30	394483	76	8853.56	1.81	123.50	1.0	1.24	44	8.00	380.30	1.30	GS
15-May	08:30	394559	57	8855.37	1.36	122.50	0.5	0.77	36	4.00	379.00	1.10	dh
16-May	08:30	394616	59	8856.73	1.38	122.00	1.5	1.02	32/100	4.00	377.90	1.40	dh
17-May	08:30	394675	77	8858.11	1.84	120.50	0.5	1.18	94	6.00	376.50	1.30	GS
18-May	08:30	394752	57	8859.95	1.37	120.00	1.0	0.47	88	4.00	375.20	1.20	dh
19-May	08:30	394809	96	8861.32	2.19	119.00	0.5	0.77	84	8.00	374.00	1.30	dh
20-May	08:30	394905	62	8863.51	1.57	118.50	1.5	1.27	76	6.00	372.70	1.60	GS
21-May	08:30	394967	57	8865.08	1.36	117.00	1.0	1.32	70	4.00	371.10	0.80	GS
22-May	08:30	395024	77	8866.44	1.84	116.00	0.5	1.04	66	6.00	370.30	1.30	GS
23-May	08:30	395101	76	8868.28	1.82	115.50	1.0	1.10	60	6.00	369.00	1.80	GS
24-May	08:30	395177	58	8870.1	1.38	114.50	1.0	0.71	54	6.00	367.20	1.10	dh
25-May	08:30	395235	78	8871.48	1.86	113.50	0.5	1.56	48	6.00	366.10	1.20	BH
26-May	08:30	395313	58	8873.34	1.38	113.00	0.1	0.62	42	6.00	364.90	1.40	BH
27-May	08:30	395371	96	8874.72	2.28	112.90	1.0	0.68	36	6.00	363.50	1.80	dh
28-May	08:30	395467	57	8877	1.37	111.90	0.9	0.23	30	6.00	361.70	1.00	dh
29-May	08:30	395524	59	8878.37	1.4	111.00	2.0	0.29	24	2.00	360.70	1.50	dh
30-May	08:30	395583	76	8879.77	2.01	109.160	2.5	1.81	22	6.00	359.2/432	0.80	DH
31-May	08:30	395659	58	8881.78	1.2	157.50	1.5	1.66	16/100	4.00	431.20	0.80	DH
1-Jun		395717		8882.98		156.00		2.00	96		429.9		DH
TOT			2024					34.30					
AVE			65					1.04					
MAX			96					1.81					
MIN			0					0.23					

SIGNATURE:  Ion Stear
 PHONE: 815-224-1650

VILLAGE OF POPLAR GROVE - SOUTH
 FOR THE MONTH OF MAY 2024
 MONTHLY OPERATING REPORT
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 5		Hour Meter Well 6		Chlorine Feed			Phosphate Feed			Flouride Feed		Operator Initials
		Reading	Pumpage	Reading	Hours	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	
30-Apr	09:00	614443		4572.3		4758.10	0	127.50		1.46	20		0.89	382.60	GS	
1-May	09:00	614533	59	4573.7	0.9	4758.10	0	126.00	1.0	1.40	18	2.00	0.70	381.00	GS	
2-May	09:00	614592	59	4574.6	0.9	4758.10	0	125.00	1.0	1.40	16	6.00	0.77	379.80	GS	
3-May	09:00	614651	57	4575.5	0.9	4758.10	0	124.00	1.0	1.48	10	0.00	0.90	379.00	GS	
4-May	09:00	614708	91	4576.4	1.4	4758.10	0	123.00	1.0	1.63	10/100	#####	0.98	378.00	dh	
5-May	09:00	614799	91	4577.8	1.4	4758.10	0	122.00	2.5	1.68	96	4.00	0.87	376.60	dh	
6-May	09:00	614890	58	4579.2	0.9	4758.10	0	119.50	1.0	1.54	92	2.00	0.73	374.80	GS	
7-May	09:00	614948	59	4580.1	0.9	4758.10	0	118.50	1.5	1.66	90	4.00	0.82	373.60	GS	
8-May	09:00	615007	88	4581	1.3	4758.10	0	117.00	1.5	1.50	86	6.00	0.88	372.80	GS	
9-May	09:00	615095	60	4582.3	0.9	4758.10	0	115.50	0.5	1.44	80	2.00	0.87	371.40	GS	
10-May	09:00	615155	59	4583.2	0.9	4758.10	0	115.00	1.5	1.45	78	2.00	0.81	370.60	GS	
11-May	09:00	615214	92	4584.1	1.4	4758.10	0	113.50	1.5	1.23	76	4.00	1.12	369.60	BH	
12-May	09:00	615306	91	4585.5	1.4	4758.10	0	112.00	1.0	1.14	72	4.00	2.01	367.60	BH	
13-May	09:00	615397	58	4586.9	0.9	4758.10	0	111.00	2.0	1.43	68	4.00	1.97	366.20	dh	
14-May	09:00	615455	88	4587.8	1.4	4758.10	0	109.00	1.0	1.39	64	2.00	0.90	365.60	GS	
15-May	09:00	615543	61	4589.2	0.9	4758.10	0	108.00	1.0	1.67	62	4.00	0.74	363.60	dh	
16-May	09:00	615604	59	4590.1	0.9	4758.10	0	107.00	2.0	1.48	58	4.00	1.22	362.80	dh	
17-May	09:00	615663	90	4591	1.4	4758.10	0	105.00	1.0	1.37	54	4.00	0.93	361.80	GS	
18-May	09:00	615753	124	4592.4	1.9	4758.10	0	104.00	2.0	1.09	50	6.00	1.18	360.40	dh	
19-May	09:00	615877	104	4594.3	1.5	4758.10	0	102.00	2.5	1.56	44	4.00	1.02	358.40	dh	
20-May	09:00	615981	77	4595.8	1.3	4758.10	0	99.50	1.5	1.52	40	4.00	0.93	356.40	GS	
21-May	09:00	616058	89	4597.1	1.3	4758.10	0	98.00	2.0	1.34	36	4.00	0.88	355.40	GS	
22-May	09:00	616147	89	4598.4	1.4	4758.10	0	96.00	1.5	1.50	32	4.00	0.93	353.80	GS	
23-May	09:00	616236	117	4599.8	1.8	4758.10	0	94.50	2.0	1.43	28	4.00	0.91	352.40	GS	
24-May	09:00	616353	29	4601.6	0.4	4758.10	0	92.50	0.5	1.38	24/100	2.00	0.92	350.40	dh	
25-May	09:00	616382	88	4602	1.4	4758.10	0	92.00	2.0	1.18	98	4.00	0.88	350.20	BH	
26-May	09:00	616470	90	4603.4	1.4	4758.10	0	90.00	1.0	1.25	94	4.00	0.89	348.40	dh	
27-May	09:00	616560	91	4604.8	1.4	4758.10	0	89.00	1.5	1.22	90	4.00	0.85	347.20	dh	
28-May	09:00	616651	59	4606.2	0.9	4758.10	0	87.50	2.0	1.42	86	4.00	0.91	345.40	dh	
29-May	09:00	616710	89	4607.1	1.4	4758.10	0	85.50	0.5	1.41	82	4.00	0.96	344.40	dh	
30-May	09:00	616799	89	4608.5	1.3	4758.10	0	85.00/160	84.0	1.13	78	2.00	1.13	342.8/404	DH	
31-May	09:00	616888	29	4609.8	0.4	4758.10	0	159.00	1.0	1.25	76	2.00	1.11	402.80	DH	
1-Jun	09:00	616917		4610.2		4758.10		158.90		1.47	74		0.95	402.40	DH	
TOT			2355				0			46.50			32.56			
AVE			79				0			1.41			0.99			
MAX			124				0			1.68			2.01			
MIN			29				0			1.09			0.70			

Ion Stear

SIGNATURE:
 PHONE: 815-224-1650

DAILY DISTRIBUTION MONITORING REPORT
VILLAGE OF POPLAR GROVE
FOR THE MONTH OF MAY 2024
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

Date	North System (Wells 2 & 3)				West System (Well 4)				South System (Wells 5 & 6)				Flouride Analysis					
	Site #	Free Cl ₂	Total Cl ₂	PO ₄	Site #	Free Cl ₂	Total Cl ₂	PO ₄	Site #	Free Cl ₂	Total Cl ₂	PO ₄	Operator Initials	Slope Standard	Well #2	Well #3	Well #4	Well#5-6
1	Village	0.88		1.79	OL	1.22		1.21	Tower	1.43		1.2	GS	103%		1.20	0.60	0.64
2	FH	1.04		1.34	Gas	0.84		1.43	GC	1.37		0.91	GS	103%		1.00	0.76	0.55
3	school	1.98		1.38	Garage	0.78		1.5	Tower	1.38		1.23	GS	103%		0.68	0.71	0.59
4				1.65				1.12					GS	103%		1.40	0.70	0.61
5														103%		1.40	0.58	0.58
6	Village	0.84		1.65	OL	1.18		1.12	GC	1.06		1	GS	103%		0.97	0.76	0.58
7	FH	1.00		1.3	Gas	0.94		1.21	Tower	1.36		1.19	GS	100%		0.90	0.68	0.64
8	school	1.44		0.74	garage	0.91		1.48	GC	1.2		1.25	GS	100%		0.24	0.76	0.72
9	Village	0.72		1.59	OL	1.26		1.17	Tower	1.22		1.16	GS	100%		0.56	1.10	0.66
10	school	1.38		1.13	Gas	0.88		1.26	GC	1.37		1.02	GS	100%		0.76	1.40	0.72
11														100%		1.20	0.77	0.72
12														100%		1.20	1.10	0.71
13	Village	0.62		1.47	tower	0.75		2	tower	0.99		2.33	dh	100%		1.20	0.91	0.77
14	FH	1.01		1.54	Garage	0.74		1.7	GC	0.87		1.47	GS	106%		0.84	0.80	0.62
15	school	1.04		1.09	gas	0.33		1.5	tower	1.01		1.32	dh	106%		0.63	0.89	0.63
16	Village	0.62		1.57	Garage	0.48		1.53	tower	0.97		1.18	dh	106%		0.70	0.86	0.63
17	FH	1.01		1.28	OL	0.81		2.17	GC	1.2		0.99	GS	106%		0.53	0.75	0.62
18														106%		0.47	0.60	0.68
19														106%		0.45	0.69	0.68
20	school	1.4		1.47	Gas	0.93		1.59	Tower	1.26		1.21	GS	106%		0.63	0.65	0.61
21	Village	0.92		1.68	Garage	0.82		1.72	GC	0.96		1.01	GS	97%		0.58	0.62	0.57
22	FH	1.02		2.13	OL	1.16		1.24	Tower	1.42		1.61	GS	97%		0.63	0.73	0.58
23	school	0.9		1.12	Gas	0.69		1.49	GC	0.92		1.08	GS	97%		0.61	0.59	0.73
24	Village	0.77		1.57	tower	0.57		1.67	tower	0.89		1.55	dh	97%		0.52	0.78	0.62
25														97%		0.50	0.89	0.58
26														97%		0.43	0.63	0.60
27														97%		0.46	0.72	0.66
28	Village	0.51		1.65	tower	0.27		1.45	GC	1.17		0.99	DH	94%		0.49	0.69	0.62
29	PW	0.41		1.17	Gas	0.2		1.72	Tower	1.15		1.24		94%		0.51	0.60	0.80
30	FH	0.5		1.23	OL	0.8		1.61	Tower	0.83		1.56	DH	94%		0.50	0.79	0.63
31	Village			1.36	GAS	1.3		1.32	GC	0.92		1	DH	94%		0.61	0.69	0.60

Signature:  Jon Stear
 PHONE: 815-224-1650



To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: Tennis Court Rehabilitation

Date: July 11, 2024

Please allow this memorandum to follow up the discussions of the June 19th Board Meeting regarding the repair of the tennis courts. Pursuant to those discussions, staff has obtained a formal proposal from Midwest Sports Surfaces and prepared a resolution to retain Midwest Sports Surfaces, LLC to complete the rehabilitation, copy attached to this memorandum. Assuming approval on July 19th, we reasonably expect the work to be complete by September 6th as outlined in the proposal.

Please do not hesitate to contact me at 636-9590 if I may provide additional assistance.

RESOLUTION 24-16

**A RESOLUTION OF THE VILLAGE OF POPLAR GROVE RESOLVING TO RETAIN
MIDWEST SPORTS SURFACES, LLC FOR REHABILITATION OF THE TENNIS
COURTS AT VILLAGE HALL**

WHEREAS, the tennis courts located at Village Hall require rehabilitation; and

WHEREAS, the Village of Poplar Grove (“Village”) received proposals for the rehabilitation work and recommends that the Village retain Midwest Sports Surfaces, LLC to complete the rehabilitation; and

WHEREAS, the rehabilitation will cost in excess of \$25,000 and pursuant to Village Code Section 1-10-4 and by a two-thirds (2/3) vote of the corporate authorities, the Village hereby waives the public bid requirement for purchases exceeding \$25,000; and

WHEREAS, this is a Public Works Project subject to the Illinois Prevailing Wage Act and the Village will comply with said act as required by 820 ILCS Sec. 130/0.01 *et seq.*; and

WHEREAS, the Village has determined that it is in the best interest of its citizens to construct the improvements.

NOW THEREFORE BE IT RESOLVED, by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois that by the adoption of this Resolution:

1. The above recitals are incorporated herein and made part hereof.
2. The Village hereby waives the requirement to publicly bid the rehabilitation of the tennis courts by a two-thirds majority vote.
3. The Village President and Village Clerk are hereby authorized to execute and attest a proposal with Midwest Sports Surfaces, LLC, and are further authorized to execute any document necessary to effectuate the intent set forth in this resolution.
4. The Village hereby approves a contingency of 10% of the sum of the contract values above to be used in the event that unforeseen circumstances arise during construction.
5. The proposal from Midwest Sports Surfaces is attached to and made part of this resolution.

The Village Clerk of Poplar Grove shall attest the same after the signature of the Village President.

Adopted this ____ day of July, 2024.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VOTE THIS _____ DAY OF _____, 2024

AS FOLLOWS:

VOTING "AYE": _____

VOTING "NAY": _____

ABSENT, ABSTAIN, OTHER _____

APPROVED _____, 2024

VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK

MIDWEST SPORT SURFACES, L.L.C.

520 South Washington Street
Westmont, Illinois 60559
639-852-9112
MWTennis1@aol.com

CONTRACT PROPOSAL

July 7, 2024

The Village of Poplar Grove
200 North Hill Street
Poplar Grove, IL 61065

Attn: Mr. David Howe, Director of Public Works

We hereby propose to furnish all the materials and perform all the labor necessary for completion of

Surface Repair & Application of Color Coating System to 2 Tennis Courts

Project site: **200 Hill Street, Poplar Grove, IL 61065**

Scope of work:

- A) Surface preparation
 - 1. Removal of existing loose color coating as necessary
 - 2. Power washing of surface
 - 3. Repair of surface & structural cracks:
 - a) Removal of debris from the cracks
 - b) Filling of cracks with Laykold NuSurf Acrylic
 - c) Leveling of repaired cracks with mechanical sander as necessary

- B) Installation of 2,000' of Armor Crack Control System
- 1) Saw cut surface to control future progress of cracks
 - 2) Install ACCS over the repaired cracks & surface cuts
- C) Net posts & nets
- 1) Replacement of existing footings on designated tennis court with footings with PVC sleeves.

The other existing footings will remain as with a used net they may function as a temporary divider between the pickleball courts.
 - 2) Provision & installation of:
 - a) Set of new tennis net posts & new net
 - b) 2 sets of new pickleball posts & 2 nets
- D) Application of Color Coating System:
- 1) 1 coat of Laykold Acrylic Resurfacer leveling mix
 - 2) 1 coat of Laykold NuSurf Primer / Resurfacer
 - 3) 2 coats of elastic Laykold ColorFlex Concentrate.

Owner will select 2 color combo from Laykold Standard Colors chart
 - 4) Painting of lines – 1 tennis & 2 pickleball courts
 - i) Layout and taping of the lines
 - ii) Application of 1 coat of LinePrime
 - iii) Application of 2 coats of white textured paint that will match the new court surface
 - iv) Customer will select the color of pickleball lines

Total	\$53,700.00
Retainer due on acceptance	\$10,000.00
Balance due on completion	\$43,700.00

Other conditions:

Prevailing Wages will be paid in compliance with Illinois Labor Laws.

This project will begin as soon as possible & permitted by our schedule.

For practical reasons we request finish date of September 6, 2024.

Labor & materials guarantee excludes normal wear and tear, damage done due to physical abuse, neglect, failure to maintain, act of nature and other conditions beyond our control.

Materials are also guaranteed to match or exceed ASBA Standards. All work to be performed in accordance with submitted specifications and completed in a substantial workmanlike manner. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are covered by Workman's Compensation Insurance.

This Proposal may be withdrawn if not accepted by July 25, 2024.

Respectfully submitted,

Paul E. Tulacka

Midwest Sport Surfaces, L.L.C.

Accepted by

Date



TIMBER LINE SIGN
CO., INC.

Item 7.

www.timberlinesign.com



Sand-carved no1.Cedar.
7' x 3'
Artwork optional.
\$2835.00 + tax

Timber Line Sign Co., Inc.
N3211 St. Rd.67
Lake Geneva, WI 53144

47

262-245-9898

APPROVED BY _____ DATE _____



To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: Source Water Protection Plan

Date: July 9, 2024

Attached to this memorandum are the Source Water Protection Plans for the Village's review and approval. The Village has three (3) separate water systems, and to eliminate any confusion at IEPA a separate report was created for each system. Most of the information in Sections I – IIIA reads the same as it is applicable to all of the Village's source water. Information in subsequent sections then is specific to each of the three systems.

Generally, the reports concluded as follows:

- The Village draws its source water from shallow sand and gravel wells which, by their very nature tend to be a bit more susceptible to potential contamination. However, there were few known sources of potential contamination in proximity to the wells.
- Laboratory data for raw and finished water did not contain results outside of MCLs.
- While there are action items that need to be taken, they are rather minimal and include:
 - Contingency planning such that the Village has responses ready in the case of an emergency.
 - Continue to monitor the Village's cross connection control program, as well as monitor its own cross connection ordinance to make sure it's up to date.
 - Continue to evaluate additional source water protection options (i.e., enforcement of current ordinances requiring connection to the water system, enact reasonable zoning in wellhead protection areas, etc.).
 - Modify existing setback ordinances for certain wells to 1,000 feet.
 - In the north system, map the recharge area of Well #3.

There are two other findings in the reports that we'd like to highlight for the Board. First, all of the wells in the Village's system draw water from the same geologic formations. While some of the recharge areas differ, the source water comes from the same formation meaning that the operations staff should continue to be vigilant in monitoring water quality. The second is that there are two wells in close proximity meaning that (1) their recharge area is essentially the same; and (2) maintenance measures for those wells are limited to mechanical means only.

Attached to this memorandum is a resolution that adopts the reports for consideration and approval at the July 17th meeting. If changes are made by the Board, we will update the language accordingly. As a reminder, the reports are due to IEPA by July 29th.

Please feel free to contact me at 815-636-9590 with any questions or concerns.

RESOLUTION 2024-17

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT THE VILLAGE’S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois (“Village”) is required to develop a Source Water Pollution Protection Plan (“SWPP”); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village has completed a SWPP for each of the Village’s three (3) water systems and desires to formally adopt each of the plans; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt the SWPP as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

1. The above recitals are incorporated herein and made part hereof.
2. The SWPP for the Village’s three (3) water systems are hereby adopted by the Village and the Village Engineer is directed to submit the reports to the IEPA by July 29, 2024.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VOTE THIS _____ DAY OF _____, 2024

AS FOLLOWS:

VOTING “AYE”: _____

VOTING “NAY”: _____

ABSENT, ABSTAIN, OTHER _____

APPROVED _____, 2024.

VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK: _____

Engineering Report

Source Water Protection Plan North Water System



Prepared for The
**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

July 2024
McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan North Water System



Prepared for The

**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

July 2024

McM. No. McM. No. P0013 07-24-00111

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 - C. Barriers for Protection of Source Water
 - D. Team Members
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 - A. Importance of Source Water
 - B. List of Water Supplies
 - C. Delineation of Sources
 - a. Groundwater
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- E. Potential Sources of Contamination
 - a. Wells Groundwater Source Inventory
- F. Susceptibility to Contamination
- G. Existing Source Water Protection
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Appendix

- Appendix A Vision Statement Resolution
- Appendix B Well Logs
- Appendix C PFAS Summary
- Appendix D Aquifer Geology
- Appendix E Factsheet

Engineering Report

Source Water Protection Plan North Water System



Prepared for The

**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

July 2024

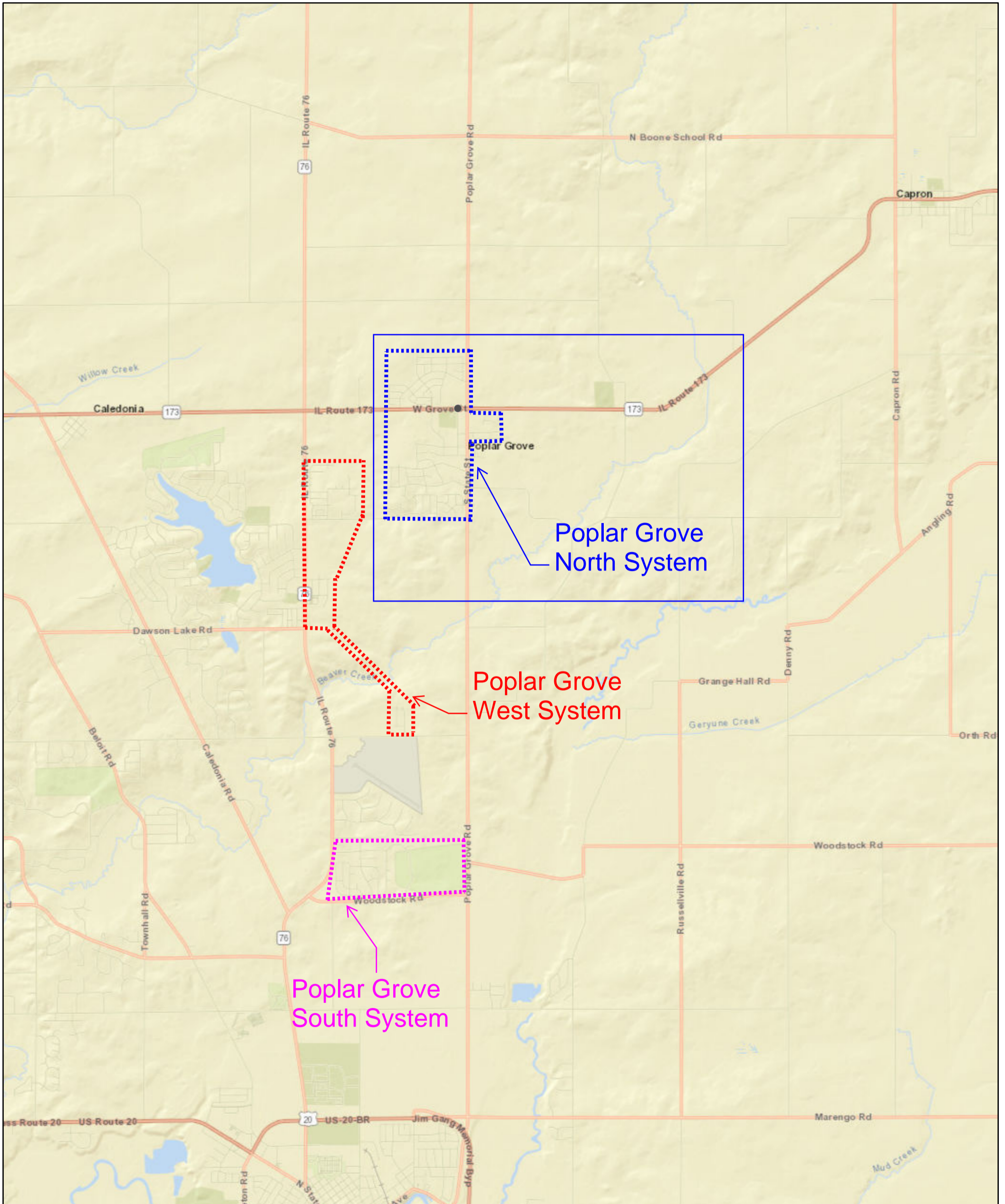
McM. No. McM. No. P0013 07-24-00111

I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the North Water System. The sole source of water for the Poplar Grove North distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

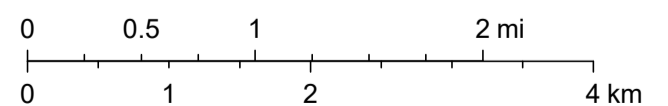
Figure 1 - Map of Poplar Grove, IL



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USA Counties

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that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove's policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove's Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village's Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as follows:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply's Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The multi-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village President	815-765-3201	dsattler@villageofpoplargrove.com
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargrove.com
Owen Costanza	Village Trustee – Administration & Zoning Chair	815-765-3201	ocostanza@villageofpoplargrove.com
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargrove.com
Jeff Goings	Village Trustee – Finance & Public Works Chair	815-765-3201	jgoings@villageofpoplargrove.com
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargrove.com
Elizabeth Straw	Village Trustee	815-765-3201	estraw@villageofpoplargrove.com
David Howe, Test Inc.	Director of Public Works Contract Operator	815-765-3201	dhowe@villageofpoplargrove.com

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village’s North Water System is identified by the IEPA as Water System No. IL0070150. The North Water System utilizes two active community water supply wells (Well #3, WL00876 and Well #2, WL11314) which they both obtain water from a groundwater sand and

gravel aquifer. Well #2 and #3 provide approximately 80,605 gallons per day of water to 405 service connections or a population of 1,150 individuals.

Well #2 is located between South State Street and East Street and Well #3 is located along 173, between Hill Street and Summit Street. Both wells serve the residents living north of Whiting Road, Sherman Oaks, Burling Woods, Ravens Crest, and the main town. Well #2 is used as a backup to the North Water System. Well #3 backs up the West Water System. This serves as an interconnect between the North and West System. Refer to Figure 2 for a map displaying the well locations.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #2 and #3 at the Village of Poplar Grove. An ISGS well drilling logs with detailed geology can be found in Appendix B.

Well #2 has a minimum 200-ft. radius setback zone and a 1,000-foot maximum setback zone. Well #2 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Well #3 has a minimum 400-ft. radius setback zone and no maximum setback zone. Well #3 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA SWAP mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, “the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield”. Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #2 and #3 is classified as “Low potential for recharge” in the IEPA SWAP mapping system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas near Well #2 and #3.

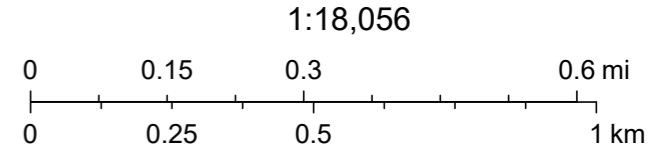
The major components of the water system are summarized in Table #1 below. The well construction logs are provided in Appendix B.

Figure 2 - North Water System



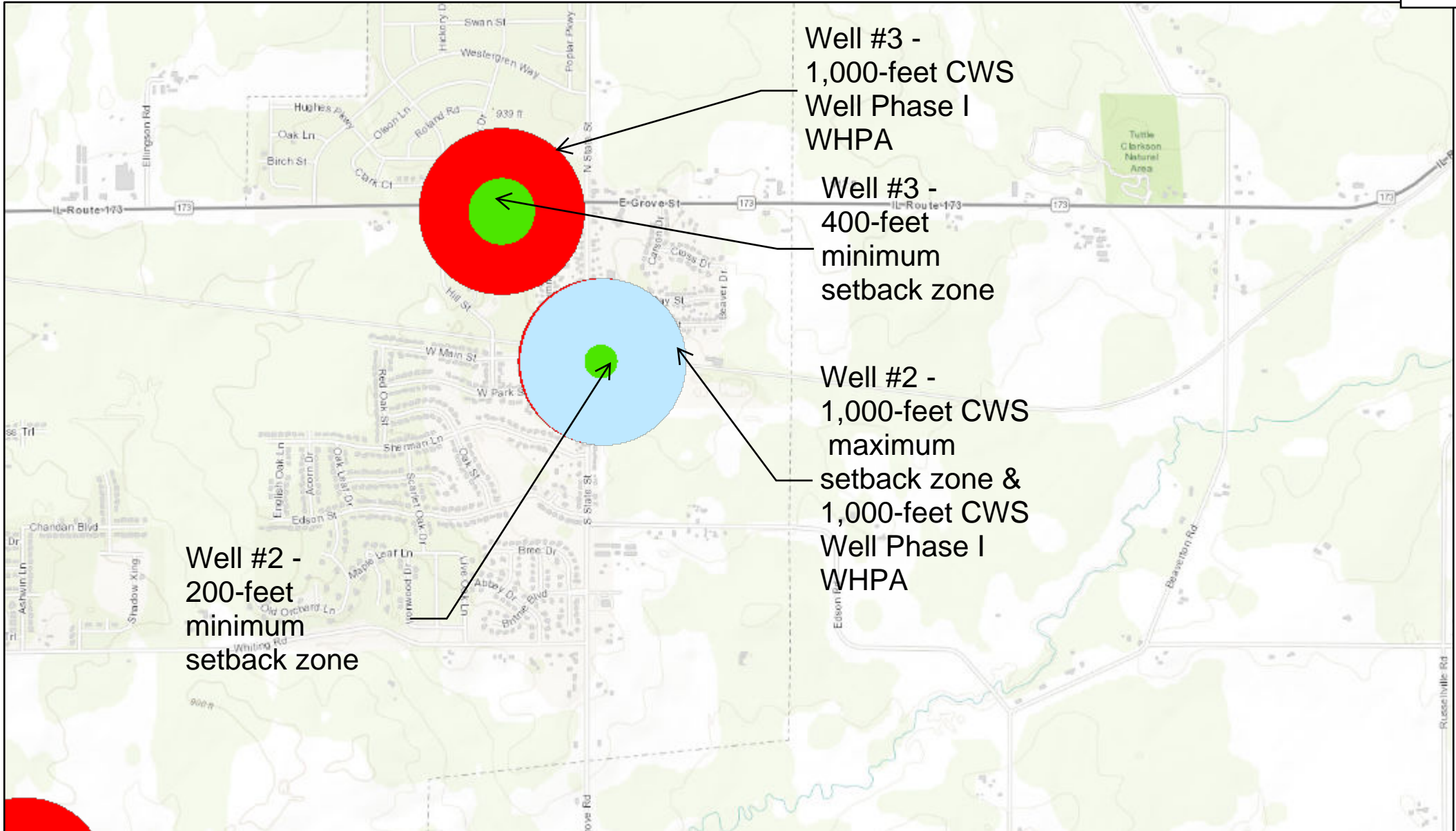
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- CWS Wells with Well ID Labels
- Active CWS Systems
- Counties



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, DPWS, BOL, IEPA

Figure 3 - Wellhead Protection



6/7/2024

- CWS Wells Minimum Setback Zone
- CWS Wells Maximum Setback Zone
- CWS Wells Phase1 WHPA
- CWS Wells Phase II WHPA
- NonCWS Wells Minimum Setback Zone
- NonCWS Wells Phase1 WHPA
- Class 3 Groundwater

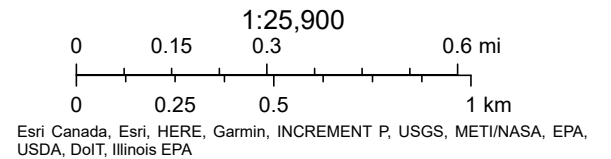


Table #1
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description/ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
North	No.3 (WL00876)	1994	130	Sand & Gravel	Active	400	0
North	No.2 (WL11314)	1940	184	Sand & Gravel	Active	200	1,000

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at Wells #2 and #3 (Water System IL0070150) is sampled by the Village and tested periodically by an accredited laboratory.

Table #2
Summary of the Source Water Quality
Village of Poplar Grove, Boone County, Illinois

Parameter	Well #2 Sample Date	Well #2	Well #3 Sample Date	Well #3	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/25/2023		7/14/1999	0	6	--
Arsenic, ug/L	5/25/2023		7/14/1999	1.1	50	--
Barium mg/l	5/25/2023	0.0564	7/14/1999	0.02	2	--
Beryllium, ug/L	5/25/2023		7/14/1999	0	4	--
Cadmium, mg/L	5/25/2023		7/14/1999	0	0.005	--
Chromium, mg/L	5/25/2023		7/14/1999	0	0.1	--
Cyanide, mg/L	5/25/2023		7/14/1999	0	0.2	--
Fluoride, mg/L	5/25/2023		7/14/1999	0.15	4	--
Mercury, mg/L	5/25/2023		7/14/1999	0.001	0.002	--
Nickel, ug/L	5/25/2023		7/14/1999		--	--
Selenium, mg/L	5/25/2023		7/14/1999	0	0.05	--
Thallium, TOTAL, mg/L	5/25/2023		7/14/1999	0	0.002	--
Sodium, mg/L	5/25/2023	35.2	7/14/1999	4.1	--	--
Nitrate, mg/L	5/25/2023		7/14/1999		10	--
Lead, mg/L	5/25/2023		7/14/1999	0	0.015	--
Copper, mg/L	5/25/2023		7/14/1999	0	1.3	1

Alkalinity, mg/L	5/25/2023		7/14/1999	292	--	--
Calcium, ug/L	5/25/2023		7/14/1999	0	--	--
Chloride, mg/L	5/25/2023		7/14/1999	15.9	--	250
Iron, mg/L	5/25/2023	1.54	7/14/1999		--	0.3
Magnesium, ug/L	5/25/2023		7/14/1999	0	--	--
Manganese, mg/L	5/25/2023	0.0573	7/14/1999	0.0592	--	0.05
pH, s.u.	5/25/2023		7/14/1999		--	6.5-8.5
Hardness, mg/l	5/25/2023		7/14/1999		--	--
TDS, mg/L	5/25/2023		7/14/1999		--	500
Sulphate, mg/L	5/25/2023		7/14/1999	76.7	--	250
Aluminum, mg/L	5/25/2023		7/14/1999	0	--	0.05-0.2
Nitrogen-Ammonia, mg/l	5/25/2023		7/14/1999	0.08	--	--
Iron, ug/L	5/25/2023		7/14/1999	0	--	300
Potassium, ug/L	5/25/2023		7/14/1999	0	--	--
Silica, mg/L	5/25/2023		7/14/1999	14	--	--
Silver, ug/L	5/25/2023		7/14/1999	0	--	--
Strontium, ug/L	5/25/2023		7/14/1999	63	--	--
Boron, ug/L	5/25/2023		7/14/1999	0	--	--
Cobalt, TOTAL, ug/L	5/25/2023		7/14/1999	0	--	--
Molybdenum, ug/L	5/25/2023		7/14/1999	0	--	--
Vanadium, ug/L	5/25/2023		7/14/1999	0	--	--
Phosphorus, mg/L	5/25/2023		7/14/1999	0	--	--
Zinc, mg/L	5/25/2023	0.103	7/14/1999	0	--	5
Phenols, ug/L	5/25/2023		7/14/1999	0	--	--

The public water supply wells at Poplar Grove were first sampled as part of a Statewide Groundwater Monitoring Network in 1985, 1993, and 1999. The well samples were analyzed for volatile organic chemicals (VOC) and inorganic chemicals (IOC). In addition, Well #2 was sampled for synthetic organic chemicals (SOC) and pesticides in 1991.

Review of the IOC data displayed in Table #2 indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410.

The VOC analyses performed detected no quantifiable levels of volatile organic chemicals. The SOC analyses performed detected no synthetic organic chemicals or pesticides in Well #2.

b. Finished Water Quality

The water quality of the currently active wells was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. A review of this information does not indicate levels of organic or inorganic compounds which exceed the drinking water quality standards.

Table #3
Summary of Finished Water Quality (2013 through 2023)
Village of Poplar Grove, Boone County, Illinois

Parameter	Well #2 (TP 2)	Well #3 (TP 3)	Primary Standard MCL	Secondary Standard MCL
Nitrate, mg/l	3.02	5.19	10	
Barium, ug/l	51.45	22.88	2000	
Fluoride, mg/l	0.92	0.89	4	
Iron, mg/l	1.40	0.03		0.3
Manganese, ug/l	57.96	125.00		50
Nickel, ug/l		7.00		
Sodium, mg/l	25.60	6.35		
Sulphate, mg/l	57.91	78.20		250
Arsenic, ug/l	1.80	1.20	50	
Chlorine, mg/l	63.00	18.00		250
Magnesium, mg/l	46.00	42.00		
Selenium, ug/l		2.10	50	
Calcium, mg/l	90.30	84.07		
Total Hardness, mg/l, as CaCO3	399.50	393.00		
Total Alkalinity, mg/L	300.00	264.00		
TDS, mg/L	424.00	403.00		500
Zinc, ug/L	48.01	5.19	10	

The IEPA began testing the Village’s water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in

the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

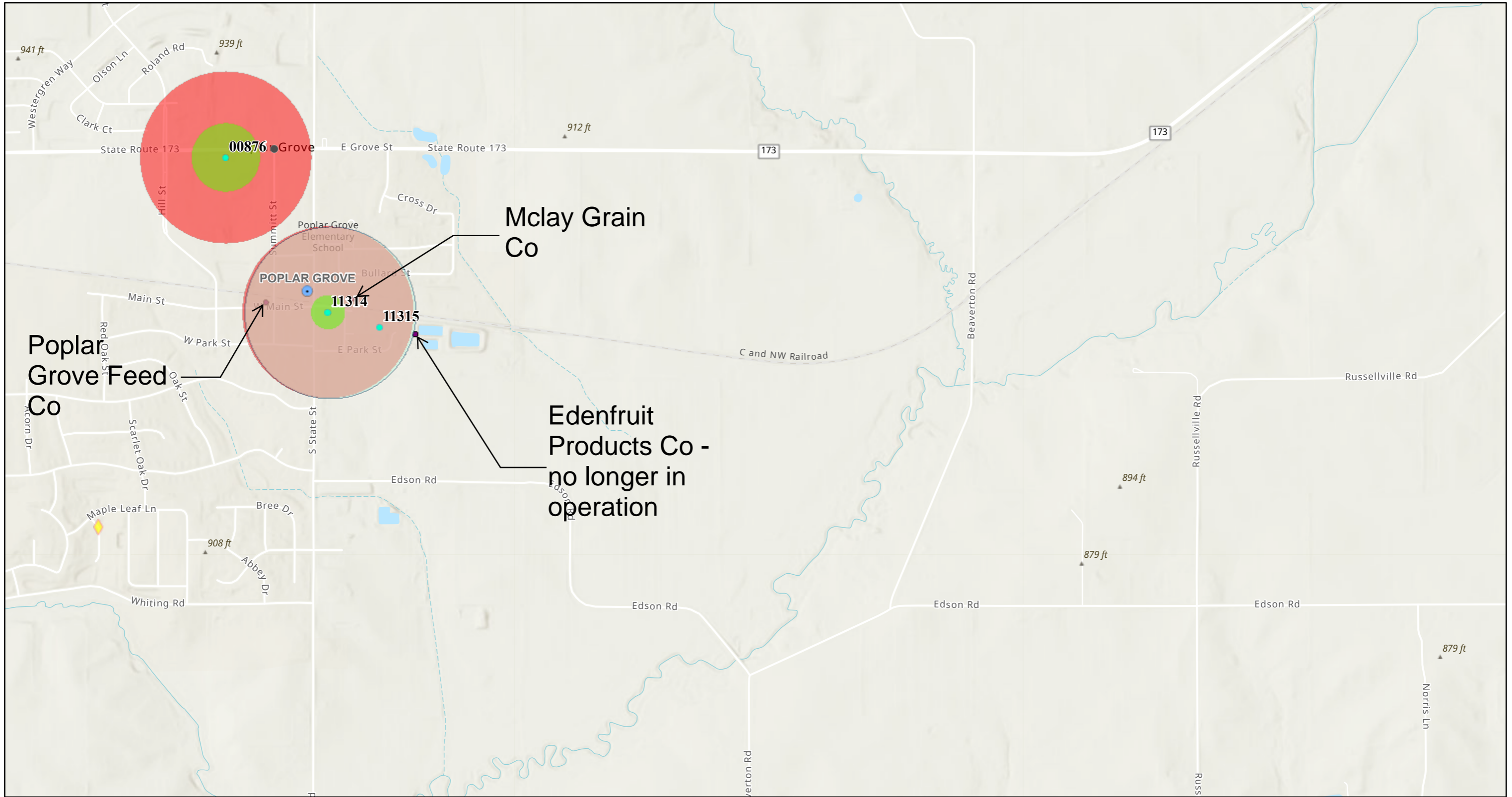
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a quarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites (IEPA Step-by-Step: Tips and Suggestions for Producing a Complete Source Water Protection Plan).

The sites labeled on the Map in Figure 4 and described in Table 4 are considered “potential” sources of contamination. These sites were identified through the Illinois EPA’s Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications

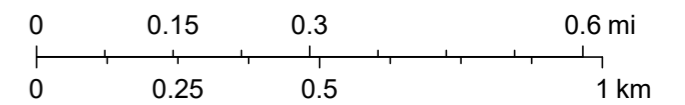
Figure 4 -Potential Source of Water Contamination



6/12/2024, 9:37:50 AM

1:18,056

- | | | |
|---|--|---|
| ● CWS Wells with Well ID Labels | ● Non-CWS Wells | ★ Resource Conservation and Recovery Act (RCRA) |
| ● Active CWS Systems | ◆ CWS Surface Water Intakes | ● Toxic Release Inventory (TRI) |
| ◆ LUST Data | ■ CWS Wells Phase II WHPA | ● Potential Sources of Contamination (WSSR) |
| ■ CWS Wells Phase1 WHPA | ■ CWS Wells Minimum Setback Zone | □ Counties |
| ■ Non-CWS Wells Phase I WHPA | ■ CWS Wells Adopted Maximum Setback Zone | |
| ■ Non-CWS Wells Minimum Setback Zone | ■ Active Landfills | |



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Illinois EPA, Bureau of and Leaking UST, DPWS, BOL, IEPA

to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

Table #4
Potential Sources of Contamination in Well #2 and #3 Recharge Area
Village of Poplar Grove, Boone County, Illinois

Site Name/Location	Site Description	Distance to Wellhead, feet
Mathison, Dale – Rt. 76 & 173 Poplar Grove, 61065	Leaking UST	6819-feet to WL00876 8259-feet to WL11314
North Boone Community Schools – 3501 Blain Road, Poplar Grove, 61065	Leaking UST	29,900-feet to WL00876 32,231 -feet to WL11314
Belvidere Airmotive – 11619 Rt. 76, Poplar Grove, 61065	Leaking UST	14,300-feet to WL00876 13,222-feet to WL11314
Goeddeke, Harold – 6079 Manchester Road, Poplar Grove, 61065	Leaking UST	38,400-feet to WL00876 40,700-feet to WL11314
Stop & Go Rt. 76 & Rt 173, Poplar Grove, 61065	Leaking UST	6,865-feet to WL00876 8252-feet to WL11314
Poplar Grove Feed Co- 104 W Main St, Poplar Grove, IL 61065	Feed supplier for farm animals, pets and birds. closed	300-feet to WL11314, 1,740-feet to WL00876
McLay Grain Co - 102 N State St, Poplar Grove, IL 61065	Grain handling	250-feet to WL11314, 2,270-feet to WL00876
Edenfruit Products Co. - 1000 block of East Street	Food Processing – no longer in operation.	1,200-feet to WL11314, 3021-feet to WL00876

F. Susceptibility to Contamination

There are three (3) sources of groundwater contamination that could pose a hazard to groundwater utilized by the Poplar Grove community water supply wells. During the survey of the source water protection area, two potential sources of contamination were identified within the 1,000-foot Phase I Wellhead Protection Area (WHPA) for Well #2. One additional potential

source was identified outside of the Phase I WHPA. The Illinois EPA has determined that the Poplar Grove Community Water Supply's source water for Well #2 is not susceptible and the source water for Well #3 is 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 available hydrogeologic data on the wells.

Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Poplar Grove Community Water Supply is not vulnerable to viral contamination. This determination is based upon the evaluation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper siting conditions, a hydraulic barrier exists which should prevent pathogen movement, all potential routes and sanitary defects have been mitigated such that the source water is adequately protected, monitoring data did not indicate a history of disease outbreak, and the sanitary survey of the water supply did not indicate a viral contamination threat.

The community wells are constructed in an unconfined aquifer, which may or may not prevent the movement of pathogens into the wells. Well hydraulics were not considered to be a significant factor in the susceptibility determination, hence well hydraulics were not evaluated for this system ground water supply.

G. Existing Source Water Protection

The Village's current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides a minimum protection zone of 200 feet for Well #2 and 400 feet for Well #3. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately

trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

The Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection control ordinance 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.

The Village will obtain aquifer property data and groundwater flow direction information so the recharge area for Well #3 can be mapped. This information can be obtained by completing a pump test on the well and completing mass water level measurements on wells finished in the aquifer utilized by Well #3.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #3. 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.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Revisit and revise the Villages Contingency documents. Conduct training exercise for emergency response procedures.	Annually	Public Works Department, Operating Budget.
Review the cross-connection control program	Review the cross-connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant or in the distribution system may negate all source water protection initiatives provided by the community.	Annually	Public Works Department, Operating Budget
Obtain aquifer property data and groundwater flow direction information	Obtain aquifer property data and groundwater flow direction information so the recharge area for Well #3 can be mapped. This information can be obtained by completing pump tests on the well and completing mass water level measurements on wells finished in the aquifer utilized by Well #2 and #3.	2025	Public Works Department, Operating Budget
Evaluate additional source water protection management options	<p>Continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells.</p> <p>Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.</p>	Annually	Public Works Department, Operating Budget
Revised maximum setback of Well #3.	Modify maximum setback ordinance to include Well #3 with a setback of 1,000-feet.	2025	Public Works Department, Ordinance Revision

Appendix A

Vision Statement Resolution

RESOLUTION 24-115

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

1. The above recitals are incorporated herein and made part hereof.
2. The Village adopts the following Vision Statement for its SWPP, *"The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."*

PASSED UPON MOTION BY Crings

SECONDED BY Cheek

BY ROLL CALL VOTE THIS 19 DAY OF June, 2024

AS FOLLOWS:

VOTING "AYE": Cheek, Costanza, Davies, Crings, Moore, Straw

VOTING "NAY": _____

ABSENT, ABSTAIN, OTHER _____

APPROVED: June 19, 2024.

Donald Smith
VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK: R. Miller



Appendix B

Well Logs

WELL No 2 (New Well)

M 14
M 2

City Poplar Grove County Boone

Section 19 Twp. No. 45 N Range 4 E

Location (in feet from section corner) 1790'S, 60'E, of N.W. corner

Owner Village of Poplar Grove Authority Dell Fassett, W.W. Supt.

Contractor C.D. Gely, Walworth, Wis. Address Poplar Grove, Ill.

Date drilled June 1940 Elev. above sea level top of well 900'±
pump base

Depth 184'

Log 19' water-bearing sand and gravel

Were drill cuttings saved ? Where filed ?

Size hole 8" If reduced, where and how much _____

Casing record 8" from surface to 165' followed by 19' of slotted screen

Distance to water when not pumping 15' (1940) Distance to water is 17'

feet after pumping at 150 + G. P. M. for 8 hours.

Reference point for above measurements Pump base

Type of pump F-M turbine Distance to cylinder _____

Length of cylinder _____ Length of suction pipe below cylinder _____

Length stroke _____ Speed _____

Hours used per day 1-2 Type of power Electric

Rating of motor 10 HP. Rating of pump in G. P. M. 150 against 70# pressure

Can following be measured: (1) Static water level Yes

(2) Pumping level Yes (3) Discharge No

(4) Influence on other wells None reported

Temperature of water 50.5°F Was water sample collected Yes after 5 mins. pumping at 150 gpm.

Date Nov. 20, 1946 Effect of water on meters, hot water coils, etc. _____

Date of Analysis _____ Analysis No. 108433

Recorder J. F. Leilo

Date Nov. 20, 1946

(over)

City Poplar Grove County Boone

Section 19.8 f2 Twp. No. 45 N Range 7 E

Location (in feet from section corner) 1790' S, 60' E, NW cor

Owner Village # 2 Authority _____

Contractor C. D. Achley Address Walworth Wis.

Date drilled 1940 Elev. above sea level top of well 895± FT.

Depth 184'

Log sand + gravel No change

Were drill cuttings saved _____ Where filed _____

Size hole _____ If reduced, where and how much _____

Casing record 8" 1'-165 (slotted screen 19 FT.)
page 23' 27

Distance to water when not pumping _____ Distance to water is _____

feet after pumping at _____ G. P. M. for _____ hours.

Reference point for above measurements Pump base

Type of pump Fairbanks Morse Turbine 8984 Distance to cylinder 50' x 5"

Length of cylinder 7" 10 stage Length of suction pipe below cylinder 10' x 5"

Length stroke airline 50' Speed _____

Hours used per day _____ Type of power Fairbanks Morse electric Motor

Rating of motor 10 HP Rating of pump in G. P. M. 150 190' HD

Can following be measured: (1) Static water level Yes

(2) Pumping level Yes (3) Discharge No

(4) Influence on other wells _____

Temperature of water _____ Was water sample collected No

Date _____ Effect of water on meters, hot water coils, etc. _____

Date of Analysis _____ Analysis No. _____

Recorder Robert Wasman

Date July 16, 1959

on 8/1/59

WELL # 2

CITY OR VILLAGE: Poplar Grove

LOCATION: Section 19 - T45N - R4E

1790'S-60'E of NWC.

WATER LEVEL: Top of Casing

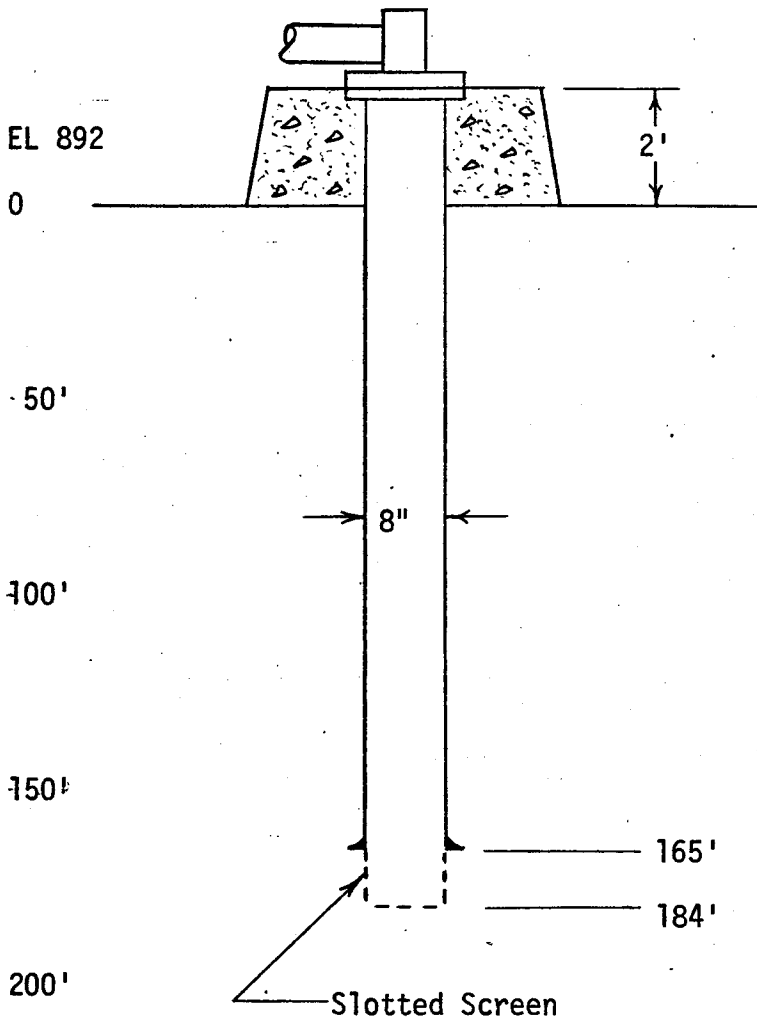
DATE	8-40		
STATIC LEVEL, FT.	12		
PUMPING LEVEL, FT.	40		
PUMPING RATE, gpm	200		

CHRONOLOGY:

1940 Drilled 184 feet.

1971 New Pump.

NOTES:



MINERAL ANALYSIS:

DATE	LAB	T.S.	HARD	NO ₃	Fe	Mn	F	Cl	SO ₄	T-ALK
11-46	SWS	360	344	1.3	0.5	0.0	0.2	7.0	49.0	288
12- 65 ⁷¹	EPA	364	352	0.0	0.2	0.0	0.2	9.0	38.0	284

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Item 9.

DIVISION OF PUBLIC WATER SUPPLIES

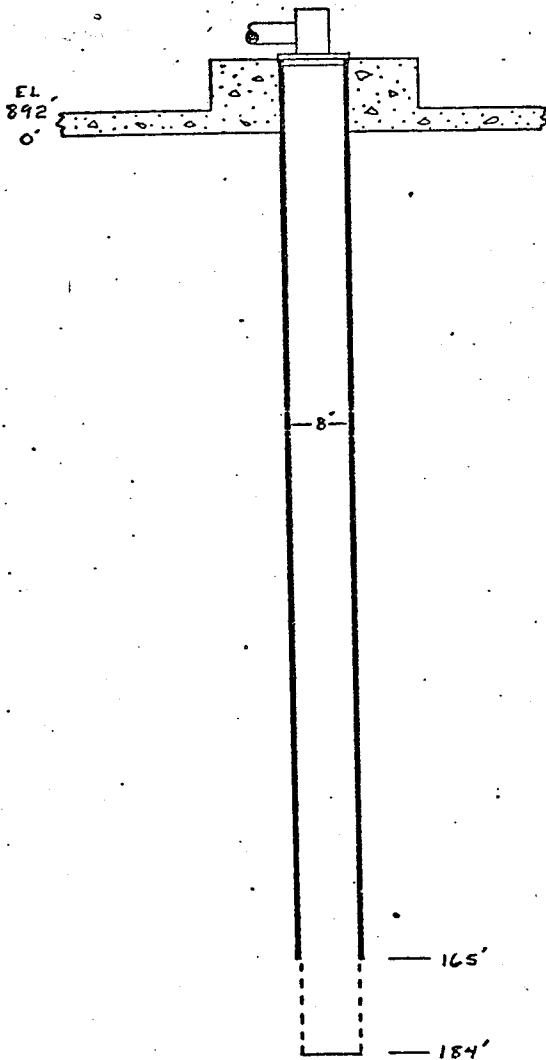
Inventory Sheet

Supply: POPLAR GROVE

Date inventoried 2/6/79

Sheet 4 of 14

Item: WELL 2



LOCATION: SEC 19 T 45 N R 4 E
1790'S - 60'E OF N.W. CORNER

CHRONOLOGY:
 1940 DRILLED 184 FT.

PUMP: 185 GPM SUBMERSIBLE

MOTOR: 15 HP.

SCREEN: SLOTTED SCREEN

NOTES: SAMPLE TAP,
 AIR LINE

PRODUCTION DATA:

DATE	1940						
STATIC LEVEL-FT	12						
PUMPING LEVEL-FT	40						
PUMPING RATE-GPM	200						
SPECIFIC CAPACITY	7.1						

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

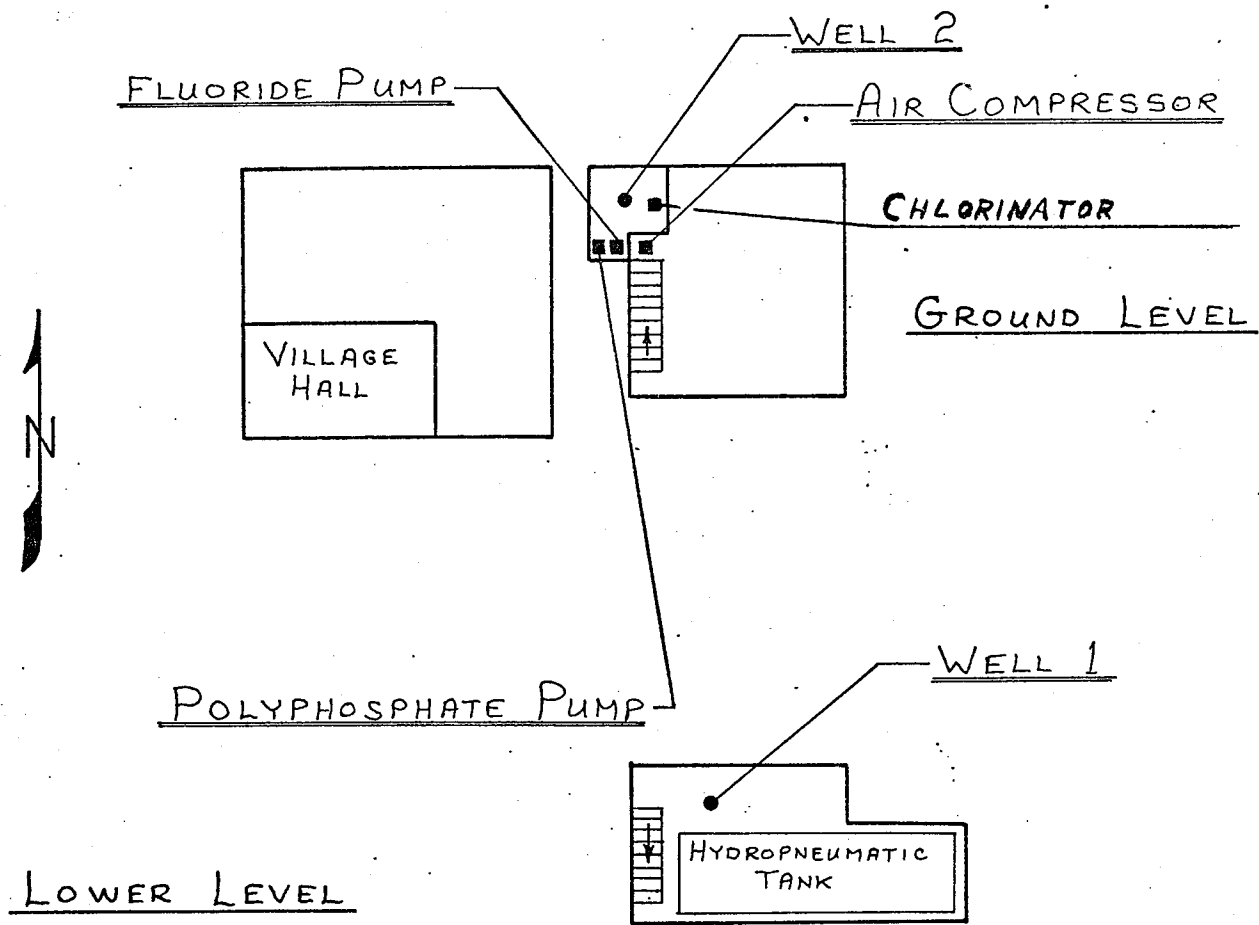
Inventory Sheet

Date inventoried 2/6/79

Supply: POPLAR GROVE

Sheet 2 of 14

Item: PUMP HOUSE



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

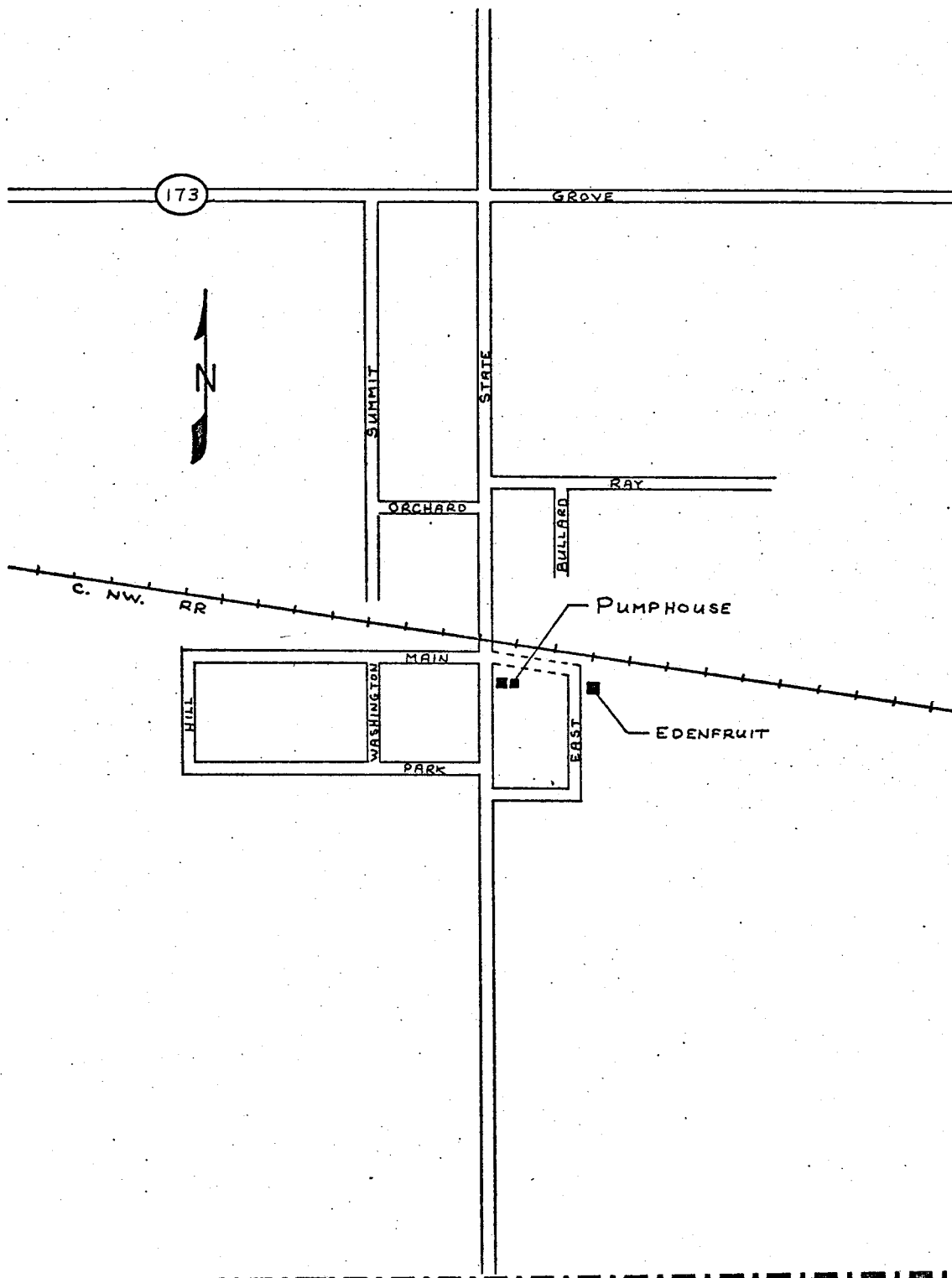
Inventory Sheet

Date inventoried 4/11/73

Supply: POPLAR GROVE

Sheet 1 of 9

Item: LOCATION

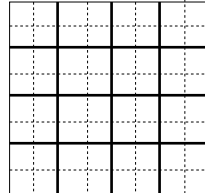


Municipal Water Supply	Top	Bottom
clay & stones	0	25
sand & gravel	25	105
Total Depth		105
Casing: 16" A53B 62.58# P.E. from -2' to 107'		
Screen: 20' of 16" diameter slot		
Grout: CEMENT from 0 to 22.		
Water from sand & gravel at 87' to 107'.		
Static level 10' below casing top which is 2' above GL		
Pumping level 63' when pumping at 750 gpm for 8 hours		
Permanent pump installed at 73'		
on September 3, 1994, with a capacity of 750 gpm		
Owner Address: Route #173 Poplar Grove, IL		
Location source: Location from permit Verified by: VJA on February 23, 2021.		

Permit Date: November 17, 1993

Permit #: E940421

COMPANY Rosenquist, Gerald Wilbur
 FARM Poplar Grove, Village of
 DATE DRILLED April 1, 1994 NO. 3
 ELEVATION 912GL COUNTY NO. 22881
 LOCATION 50'S 1000'W NE/c
 LATITUDE 42.37131 LONGITUDE -88.825791
 COUNTY Boone API 120072288100



24 - 45N - 3E

Appendix C

PFAS Summary



Illinois EPA PFAS Sampling Network (2020-2021)

Search PWS
None

Overall Network
1,428

Total Sites with Confirmed Detections
149

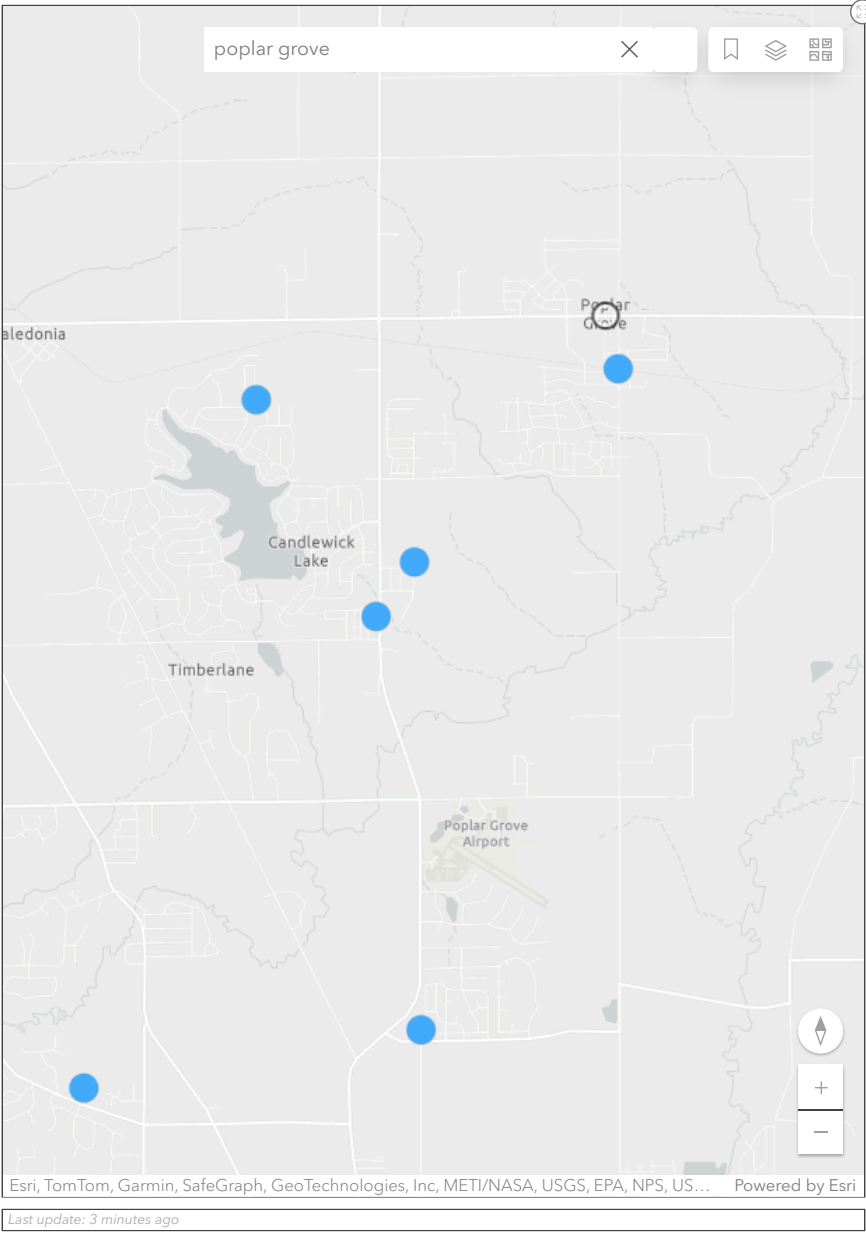
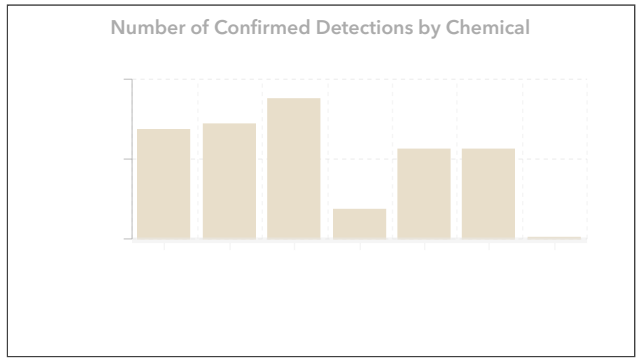
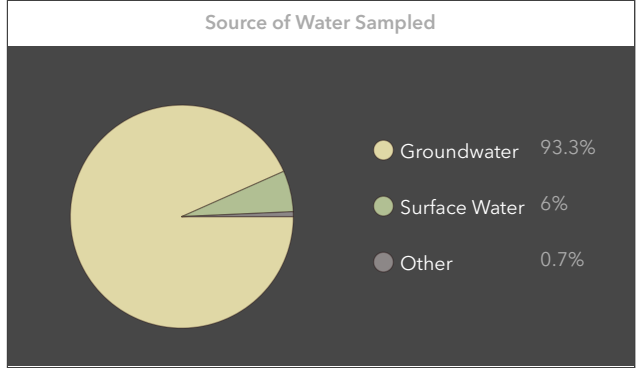
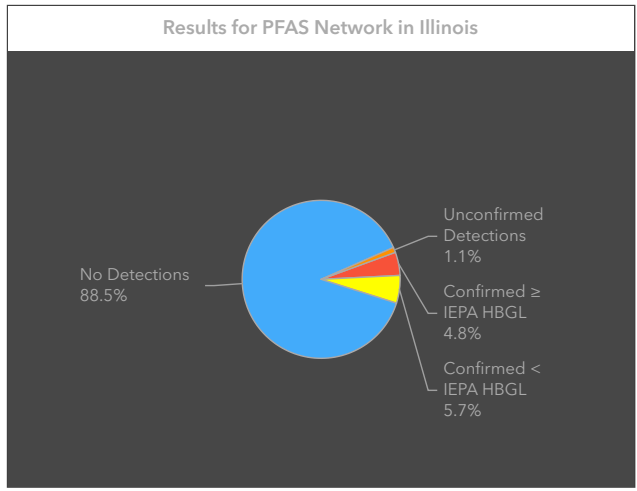
Total Sites Unconfirmed
15

Confirmed ≥ to IEPA HBGL
68

Confirmed < IEPA HBGL
81

Unconfirmed Detections
15

No Detections
1,264



PFAS Network

- Confirmed ≥ IEPA HBGL
- Confirmed < IEPA HBGL
- Unconfirmed Detections
- No Detections

the US EPA Method 537.1 is 2 ng/L.
 ND: Not Detected at the MRL - US EPA Method 537.1 used to analyze for 18 PFAS chemicals. 11 of the 18 chemicals were not detected during sampling and will appear in the popup window for sample sites.
 Unconfirmed Detection: detection of one or more PFAS chemicals not confirmed through subsequent testing sample site
 ng/L: nanograms per liter (equivalent to parts per tril

Site Classification based on the 18 PFAS Chemicals in Method 537.1 and MRL of 2 ng/L*
 Confirmed: sample site with at least 2 detections of 1 more of the same PFAS chemical from different sample dates; may include single occurrence of other PFAS chemicals
 Unconfirmed: sample site with single occurrence of 1 more PFAS chemical from all samples
 No Detection: sample site with no occurrence of any chemical

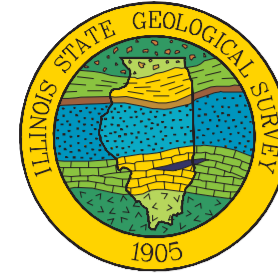
* Determination of site classification is based only on collected as part of the 2020-2021 IEPA PFAS Network

Links to Additional Info

- PER- AND POLYFLUOROALKYL SUBSTANCES
- PFAS Statewide Investigation Network: Community Water Supply Sampling
- Process to Establish Maximum Contaminant Levels for PFAS in Illinois

Appendix D

Aquifer Geology

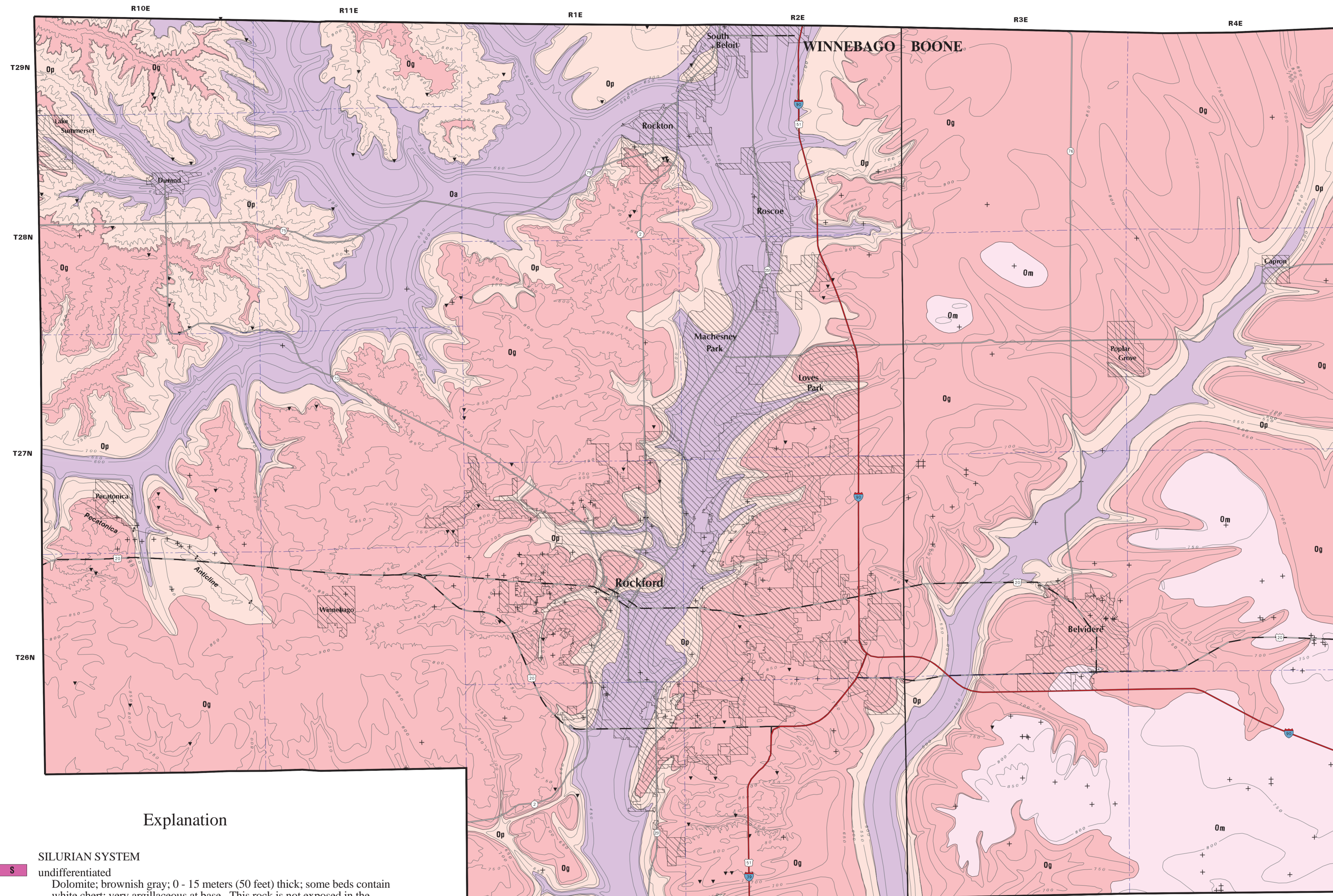


State of Illinois
Department of Natural Resources

Bedrock Geology of Boone and Winnebago Counties, Illinois

Christopher S. McGarry
2000

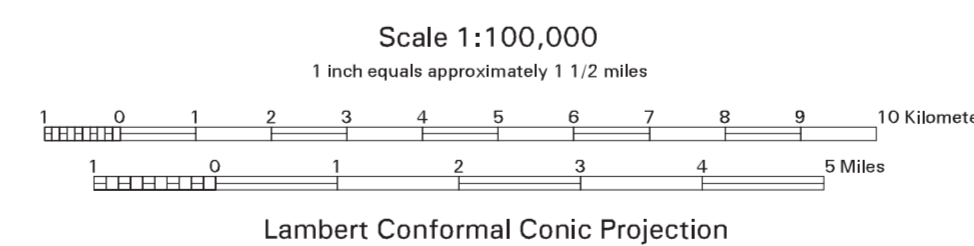
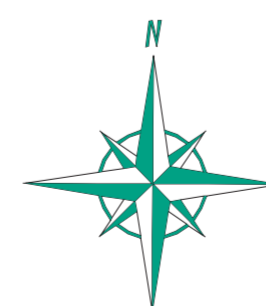
Illinois State Geological Survey
William W. Shilts, Chief
Champaign



Explanation

- SILURIAN SYSTEM**
- S** undifferentiated
Dolomite; brownish gray; 0 - 15 meters (50 feet) thick; some beds contain white chert; very argillaceous at base. This rock is not exposed in the study area and only occurs in the subsurface in a small area on the eastern edge of Boone County.
- ORDOVICIAN SYSTEM**
- Om** Maquoketa Group
Shale and dolomite; greenish-gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.
 - Og** Galena Group
Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (K-bentonite) beds. These cliff forming-rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.
- PLATTEVILLE GROUP**
- Op** Platteville Group
Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.
- ANCELL GROUP**
- Oa** Ancell Group
Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.

- Data Points**
- Well
 - Bedrock Exposure
 - Anticline
 - Interstate Highway
 - US Highway
 - State Highway
 - Municipality
 - Bedrock Topography Contour Interval 50 Feet



Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena-Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.

Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5-minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill-cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include un lithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern Illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two-county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonica reveals very gently northeast-dipping beds, a subtle exposure of this structure.

References

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN
TEJAS	QUATERNARY		0 - 137 m (0 - 450 ft.)	
	SILUR.		15 m (50 ft.)	
TIPPECANOE	ORDOVICIAN		46 - 61 m (150 - 200 ft.)	
		Maquoketa	76 m (250 ft.)	
		Galena	30 m (100 ft.)	
		Platteville	2-18 m (5-60 ft.)	
		Ancell	61-122 m (200-400 ft.)	
SAUK	CAMBRIAN		15-30 m (50-100 ft.)	
		Potosi	15-30 m (50-100 ft.)	
		Franconia	15-30 m (50-100 ft.)	
		Ironton - Galesville	23-52 m (75-170 ft.)	
		Eau Claire	107-137 m (350-450 ft.)	
			Mt. Simon	305-488 m (1000-1600 ft.)
			PRECAMBRIAN	GRANITE

Appendix E

Factsheet



Source Water Assessment Program Factsheets

Select Water System Type

Community ▼

Select County

Boone ▼

Search County

-- Or --

Enter any part of a Facility Name

Search Facility Name

Search Results

POPLAR GROVE ▼

Select Water System

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describes pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

The Village of Poplar Grove (Facility Number 0070150) has two public water supply well. Well #2 (Illinois EPA #11314) and Well #3 (Illinois EPA #00876) produce 80,605 gallons per day on average to an estimated population of 1,150 through 405 service connections.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL00876	WELL 3 (00876)	A	130.00	400	0	0101	Sand & Gravel	0
WL01747	WELL 7 (01747)	I		400		0101	Sand & Gravel	0
WL11313	WELL 1 (11313) ABANDONED	I	134.00	200	19133500	0101		0
WL11314	WELL 2 (11314) EMERGENCY	A	184.00	200	19133500	0101	Sand & Gravel	1000

Intake Details:

No Data

Source Water Quality:

The public water supply wells at Poplar Grove were first sampled as part of a Statewide Groundwater Monitoring Network in 1985, 1993, and 1999. The well samples were analyzed for volatile organic chemicals (VOC) and inorganic chemicals (IOC). In addition, Well #2 was sampled for synthetic organic chemicals and pesticides in 1991. The VOC analyses performed detected no quantifiable levels of volatile organic chemicals. The SOC analyses performed detected no synthetic organic chemicals or pesticides in Well #2. The IOC analyses performed found the water to meet all groundwater standards.

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 is also available in the Consumer Confidence Report supplied 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 described 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 1989 to identify potential sources of contamination to the water supply'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 water supply'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. As a result of multiple possible contamination sources, individual sites may be listed in the table more than once in relation to a well.

IEMA #	LPC #	Site Name	Address	City	ZIP Code
900491	0070155002	Mathison, Dale	Rt. 76 & 173	Poplar Grove	61065
902524	0070150001	North Boone Comm. Schools	3501 Blain Rd.	Poplar Grove	61065
902527	0070150002	North Boone Comm. Schools	17641 Poplar Grove Rd.	Poplar Grove	61065
921347	0070155009	Belvidere Airmotive	11619 Rt. 76	Poplar Grove	61065
931457	0070155004	Goeddeke, Harold	6079 Manchester Rd.	Poplar Grove	61065
952230	0070155007	Stop & Go	Rt. 76 & Rt. 173	Poplar Grove	61065
980988	0070155009	Poplar Grove Airmotive	11619 Rt. 76	Poplar Grove	61065

Site Data For This Facility:

Well ID	Site/GMZ ID	Map Code	Name	Distance	Status
WL11314	000004423	011D	POPLAR GROVE FEED CO	300	A
WL11314	000004424	011D	MCLAY GRAIN CO	250	A
WL11314	000004425	011D	EDENFRUIT PRODUCTS CO	1200	A

Susceptibility To Contamination:

Based on information obtained in a Well Site Survey published in 1989 by the Illinois EPA, one potential secondary source is located within 1,000 feet of the Well #2. The Illinois EPA has determined that the Poplar Grove Community Water Supply's source water for Well #2 is not susceptible and the source water for Well #3 is 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 available hydro

geologic data on the wells. Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Poplar Grove Community Water Supply is not vulnerable to viral contamination. This determination is based upon the evaluation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper siting conditions; a hydraulic barrier exists which should prevent pathogen movement; all potential routes and sanitary defects have been mitigated such that the source water is adequately protected; monitoring data did not indicate a history of disease outbreak; and the sanitary survey of the water supply did not indicate a viral contamination threat. Because the community's wells are constructed in a unconfined aquifer, which may, or may not prevent the movement of pathogens into the wells, well hydraulics were not considered to be a significant factor in the susceptibility determination. Hence, well hydraulics were not evaluated for this system ground water supply.

Source Water Protection Efforts:

The Illinois Environmental Protection Act provides minimum protection zone of 200 feet for Well #2 and 400 feet for Well #3. These minimum protection zones are regulated by the Illinois EPA. To further minimize the risk to the facility's groundwater supply, the Illinois EPA recommends that four additional activities be assessed. First, the water supply may wish to work with village officials to enact a "maximum setback zone" ordinance for Well #3, and proposed well #4 (when it becomes active). 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, a community will minimize their risk of being without safe and adequate water. Third, 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 community. Finally, the Village should obtain aquifer property data and groundwater flow direction information so the recharge area for Well #3 can be mapped. This information can be obtained by completing pump test on the well and completing mass water level measurements on wells finished in the aquifer utilized by Well #3.

Engineering Report

Source Water Protection Plan South Water System



Prepared for The
VILLAGE OF
POPLAR GROVE
BOONE COUNTY | ILLINOIS

July 2024
McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan South Water System



Prepared for The

**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

July 2024

McM. No. McM. No. P0013 07-24-00111

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- E. Potential Sources of Contamination
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- Appendix B Well Logs
- Appendix C PFAS Summary
- Appendix D Aquifer Geology
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Engineering Report

Source Water Protection Plan South Water System



Prepared for The

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POPLAR GROVE**
BOONE COUNTY | ILLINOIS

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July 2024

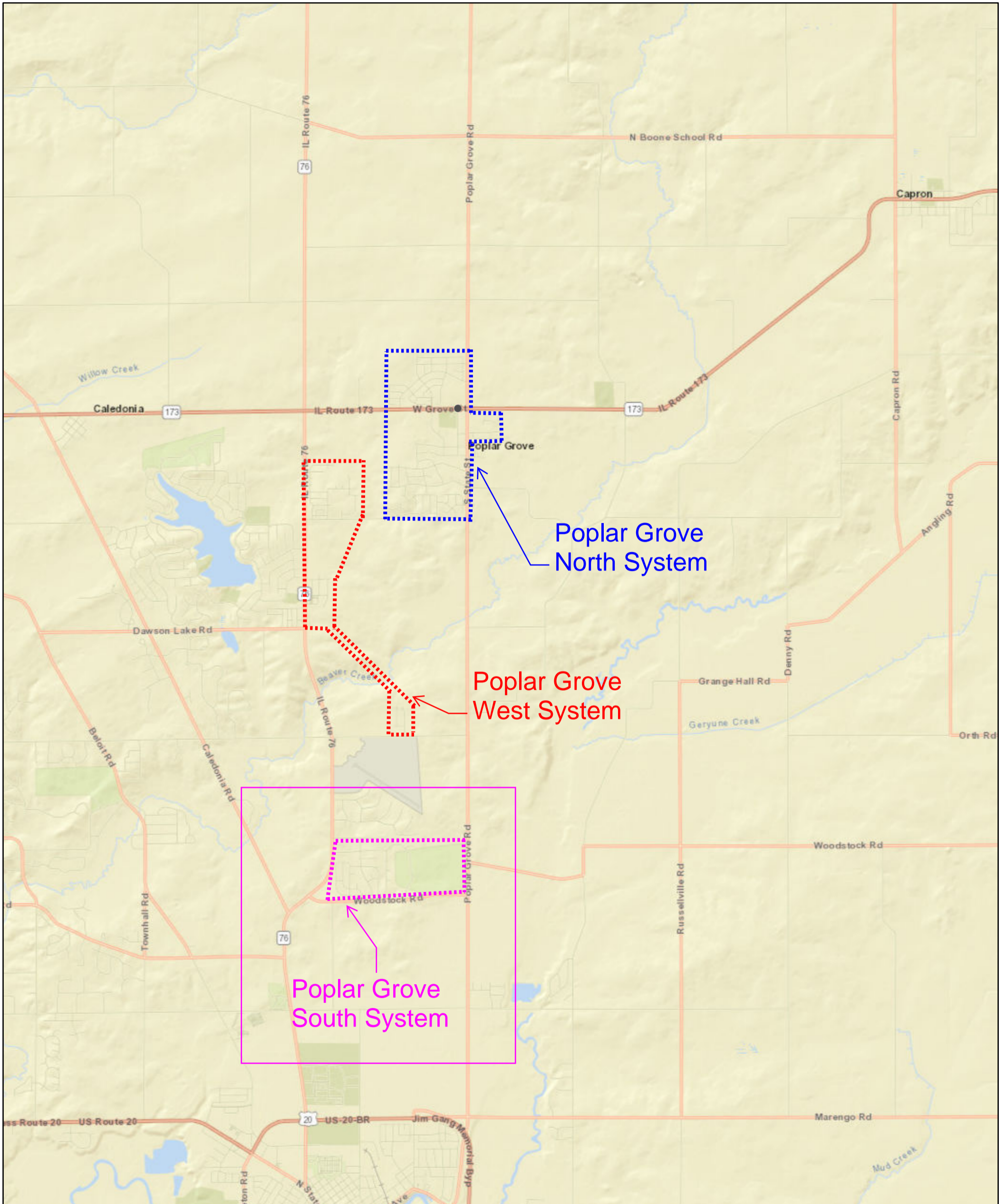
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I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the South Water System. The sole source of water for the Poplar Grove South distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

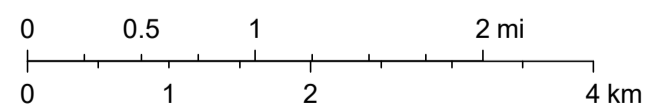
Figure 1 - Map of Poplar Grove, IL



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USA Counties

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Esri, HERE, Garmin, INCREMENT P, NGA, USGS

that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove's policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove's Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village's Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as Follow:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply's Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The multi-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village President	815-765-3201	dsattler@villageofpoplargo.com
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargo.com
Owen Costanza	Village Trustee – Administration & Zoning Chair	815-765-3201	ocostanza@villageofpoplargo.com
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargo.com
Jeff Goings	Village Trustee – Finance & Public Works Chair	815-765-3201	jgoings@villageofpoplargo.com
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargo.com
Elizabeth Straw	Village Trustee	815-765-3201	estraw@villageofpoplargo.com
David Howe, Test Inc.	Director of Public Works Contract Operator	815-765-3201	dhowe@villageofpoplargo.com

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village’s South Water System is identified by the IEPA as Water System No. IL0070300. The South Water System utilizes two (2) active community water supply wells (Well #5, WL01505, and Well #6, WL01693) which obtains water from a groundwater sand and gravel

aquifer. Well #5 and #6 provide approximately 69,159 gallons per day of water to 385 service connections or a population of 1,155 individuals.

Well #5 and Well #6 are located near McKinley Avenue and Prairie Knolls Drive. Both serve residents covering subdivisions of Knolls of Boone, Prairie Green, Concorde Crossing, Timber Point Golf Course. Refer to Figure 2 for a map displaying the well location.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #5 and #6 at the Village of Poplar Grove. An ISGS well drilling log with detailed geology can be found in Appendix B.

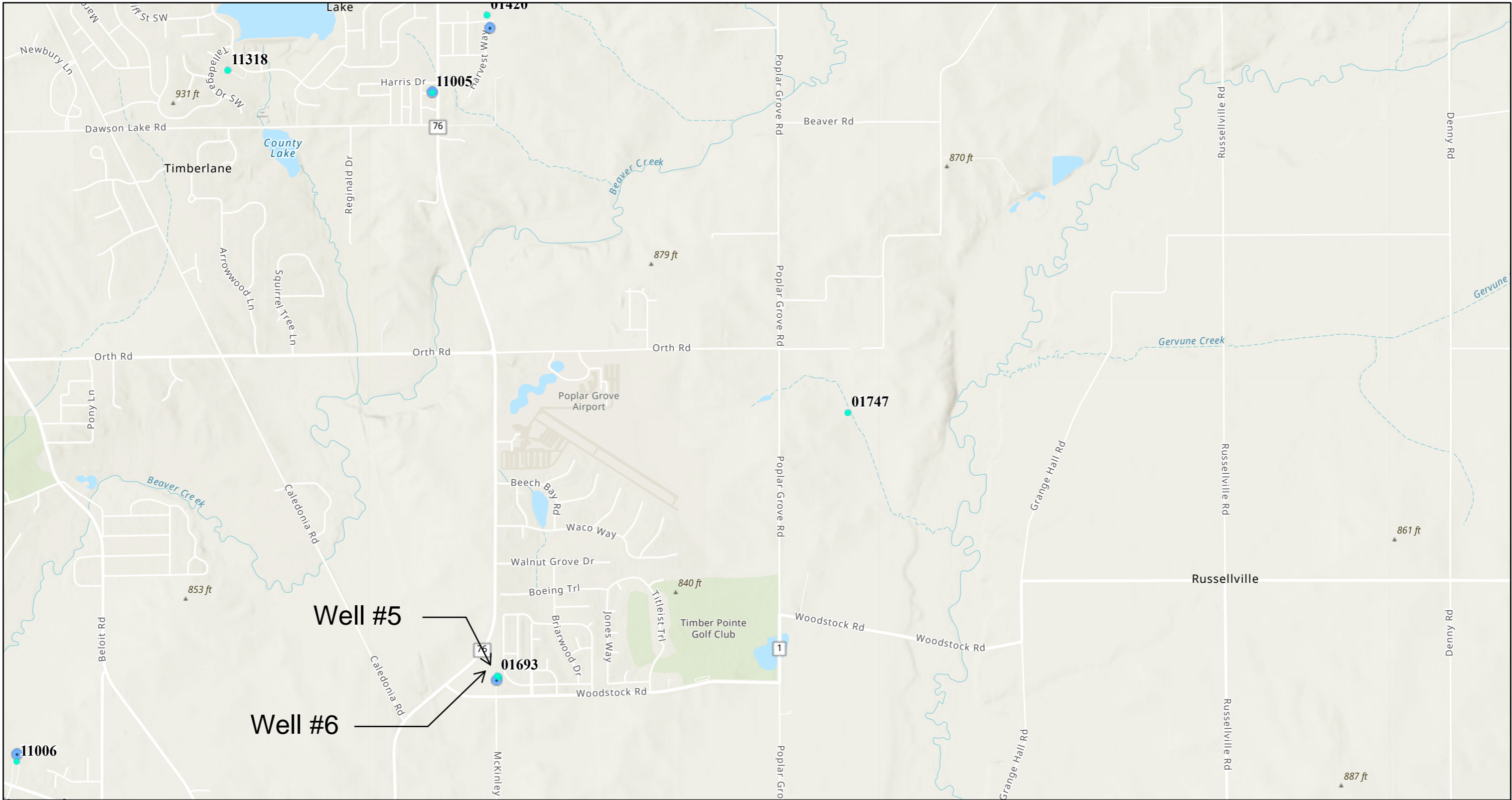
Wells #5 and #6 have a minimum 200-ft. radius setback zone and no maximum setback zone. Well #5 and #6 also have a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, “the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield”. Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #5 and #6 is classified as “High to Moderately High” in the IEPA SWAP system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas within the Village corporate limits.

The major components of the water system are summarized in Table #1 below. The well construction logs are provided in Appendix B.

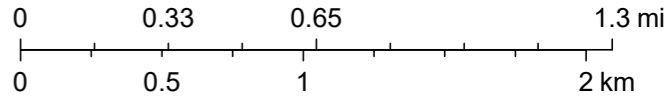
Figure 2 - South Water System



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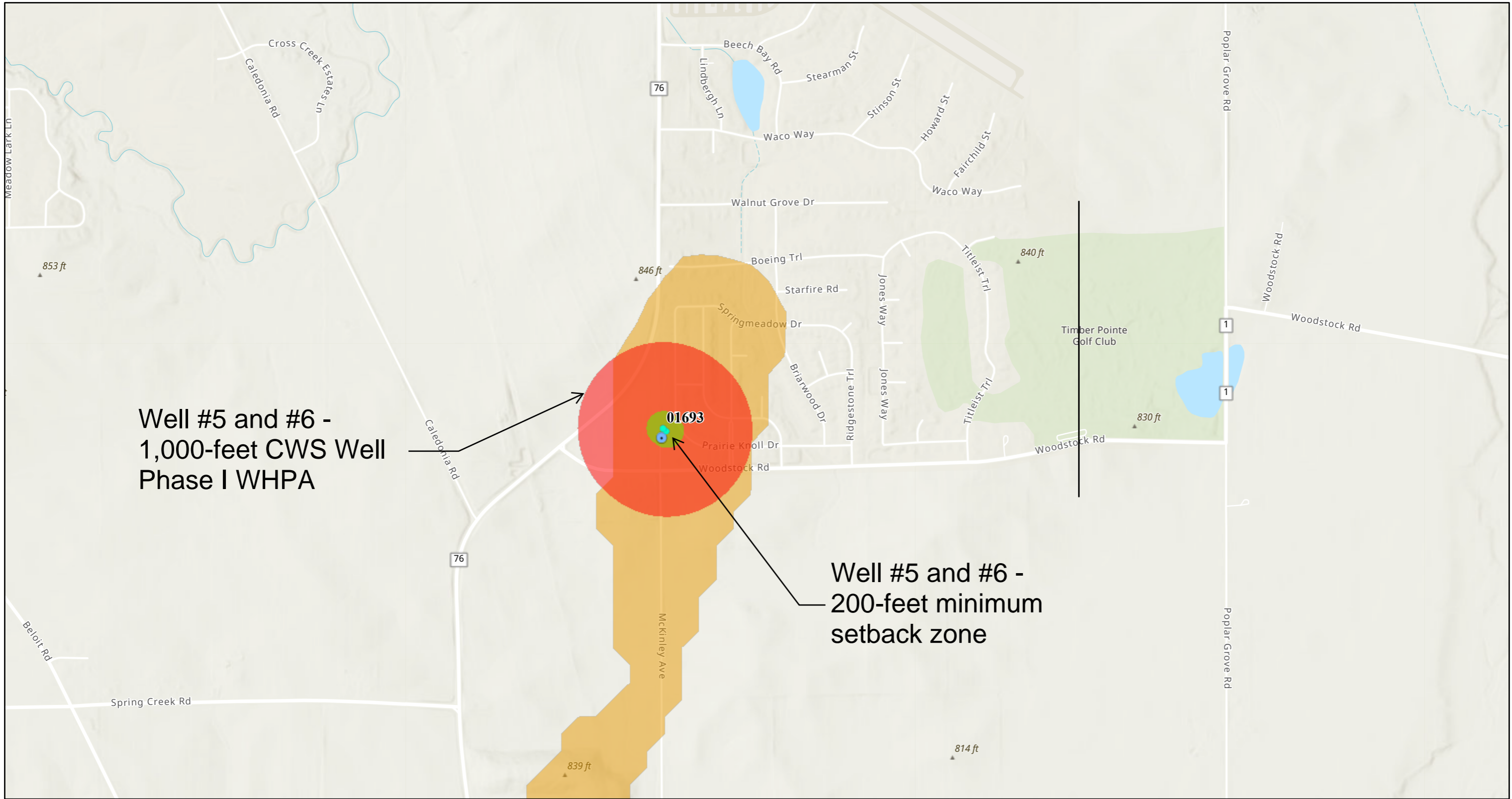
- CWS Wells with Well ID Labels
- Active CWS Systems

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Esri, NASA, NGA, USGS, FEMA, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Figure 3 -Wellhead Protection



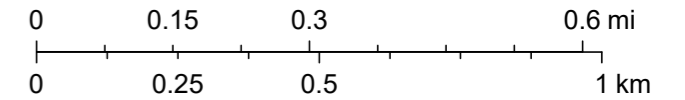
Well #5 and #6 -
1,000-foot CWS Well
Phase I WHPA

Well #5 and #6 -
200-foot minimum
setback zone

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- CWS Wells with Well ID Labels
- Active CWS Systems
- Non-CWS Wells Phase I WHPA
- Non-CWS Wells Minimum Setback Zone
- Non-CWS Wells
- ◆ CWS Surface Water Intakes
- CWS Wells Phase II WHPA
- CWS Wells Phase1 WHPA
- CWS Wells Adopted Maximum Setback Zone
- CWS Wells Minimum Setback Zone



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, DPWS, BOL, IEPA

Table #1
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description /ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
South	No. 5 (W01505)	n/a	220	Sand & Gravel	Active	200	0
South	No. 6 (WL01693)	n/a	208	Sand & Gravel	Active	200	0

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at Wells #5 and #6 (Water System IL0070300) is sampled by the Village and tested periodically by an accredited laboratory.

Table #2
Summary of the Source Water Quality
Village of Poplar Grove, Boone County, Illinois

Parameter	Well #5 Sample Date	Well #5	Well #6 Sample Date	Well #6	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/23/2005	0	8/22/2011	0	6	--
Arsenic, ug/L	5/23/2005	0	8/22/2011	0	50	--
Barium mg/l	5/23/2005	0.035	8/22/2011	0.0411	2	--
Beryllium, ug/L	5/23/2005	0	8/22/2011	0	4	--
Cadmium, mg/L	5/23/2005	0	8/22/2011	0	0.005	--
Chromium, mg/L	5/23/2005	0	8/22/2011	0	0.1	--
Cyanide, mg/L	5/23/2005	0	8/22/2011		0.2	--
Floride, mg/L	5/24/2005	0.14	8/22/2011		4	--
Mercury, mg/L	5/23/2005	0	8/22/2011		0.002	--
Nickel, ug/L	5/23/2005	0	8/22/2011		--	--
Selenium, mg/L	5/23/2005	0	8/22/2011	0	0.05	--
Thallium, TOTAL, mg/L	5/23/2005	0	8/22/2011		0.002	--
Sodium, mg/L	5/23/2005	12	8/22/2011	8.89	--	--
Nitrate, mg/L	5/23/2005	0	8/22/2011	0.103	10	--
Lead, mg/L	5/23/2005	0	8/22/2011	0	0.015	--
Copper, mg/L	5/23/2005	0	8/22/2011	0	1.3	1

Alkalinity, mg/L	5/23/2005	290	8/22/2011	290	--	--
Calcium, ug/L	5/23/2005	9,400	8/22/2011	86,900	--	--
Chloride, mg/L	5/23/2005	49.9	8/22/2011	43.1	--	250
Iron, mg/L	5/23/2005	0	8/22/2011	0.431	--	0.3
Magnesium, ug/L	5/23/2005	40,000	8/22/2011	38,800	--	--
Manganese, mg/L	5/23/2005	0.041	8/22/2011	0.047	--	0.05
pH, s.u.	5/23/2005	6.7	8/22/2011		--	6.5-8.5
Hardness, mg/l	5/23/2005	400	8/22/2011	377	--	--
TDS, mg/L	5/23/2005	544	8/22/2011	664	--	500
Sulphate, mg/L	5/23/2005	73.9	8/22/2011		--	250
Aluminum, mg/L	5/23/2005		8/22/2011		--	0.05-0.2
Nitrogen-Ammonia, mg/l	5/23/2005	0	8/22/2011		--	--
Iron, ug/L	5/23/2005		8/22/2011		--	300
Potassium, ug/L	5/23/2005	0	8/22/2011	0	--	--
Silica, mg/L	5/23/2005	16.5	8/22/2011	15.6	--	--
Silver, ug/L	5/23/2005	0	8/22/2011	0	--	--
Strontium, ug/L	5/23/2005	88	8/22/2011	83.7	--	--
Boron, ug/L	5/23/2005	10	8/22/2011		--	--
Cobalt, TOTAL, ug/L	5/23/2005	0	8/22/2011		--	--
Molybdenum, ug/L	5/23/2005	0	8/22/2011		--	--
Vanadium, ug/L	5/23/2005	0	8/22/2011		--	--
Phosphorus, mg/L	5/23/2005	0	8/22/2011		--	--
Zinc, mg/L	5/23/2005	0	8/22/2011		--	5
Phenols, ug/L	5/23/2005	13	8/22/2011		--	--

Well #5 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Well #6 was sampled in 2011 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410.

Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants.

b. Finished Water Quality

The water quality of the currently active well was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards.

Table #3
Summary of Finished Water Quality (2013 through 2023)
Village of Poplar Grove, Boone County, Illinois

Parameter	Well#5 and 6 (TP 1)	Primary Standard MCL	Secondary Standard MCL
Nitrate, mg/l	0.06	10	
Barium, ug/l	44.50	2000	
Fluoride, mg/l	0.81	4	
Iron, mg/l	0.60		0.3
Manganese, ug/l	41.10		50
Nickel, ug/l			
Sodium, mg/l	14.10		
Sulphate, mg/l	68.60		250
Arsenic, ug/l	0.75	50	
Chlorine, mg/l	35.00		250
Magnesium, mg/l			
Selenium, ug/l		50	
Calcium, mg/l	105.00		
Total Hardness, mg/l, as CaCO3	422.00		
Total Alkalinity, mg/L	316.00		
TDS, mg/L	446.00		500
Zinc, ug/L	0.06	10	

The IEPA began testing the City’s water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

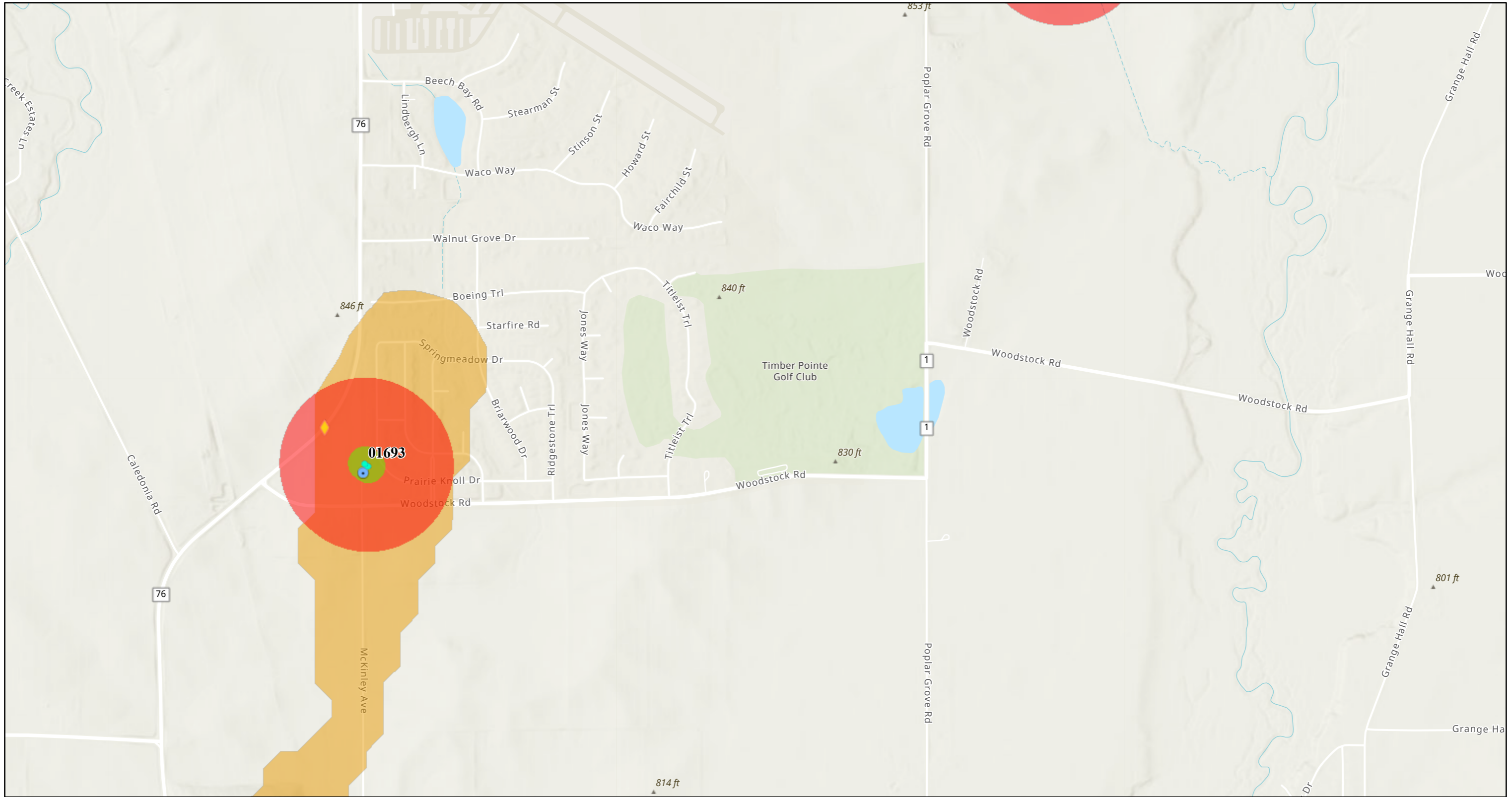
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a quarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites (IEPA Step-by-Step: Tips and Suggestions for Producing a Complete Source Water Protection Plan).

There are no sites in Well #5 and #6 identified as “potential” sources of contamination (Figure 4). This was identified using the Illinois EPA’s Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include

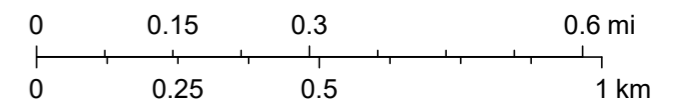
Figure 4 -Potential Source of Water Contamination



6/12/2024, 10:02:58 AM

1:18,056

- CWS Wells with Well ID Labels
- Active CWS Systems
- ◆ LUST Data
- CWS Wells Phase1 WHPA
- Non-CWS Wells Phase I WHPA
- Non-CWS Wells Minimum Setback Zone
- Non-CWS Wells
- ◆ CWS Surface Water Intakes
- CWS Wells Phase II WHPA
- CWS Wells Minimum Setback Zone
- CWS Wells Adopted Maximum Setback Zone
- Active Landfills
- ★ Resource Conservation and Recovery Act (RCRA)
- Toxic Release Inventory (TRI)
- Potential Sources of Contamination (WSSR)
- Counties



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Illinois EPA, Bureau of and Leaking UST, DPWS, BOL, IEPA

information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

F. Susceptibility to Contamination

Poplar Grove South's source water is not considered to be susceptible to contamination. This determination was made based on the identification of potential sources and routes of contamination, land-use activities around the well, available hydrogeological data, and monitoring results. During the survey of the source water protection area, no potential sources were identified within the minimum setback zones or the 1,000-foot Phase I Wellhead Protection Areas (WHPA) for Well #5 or Well #6. Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

G. Existing Source Water Protection

The Village's current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides minimum protection zones of 200 feet for Wells #5 and #6. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

The Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection

[Engineering Report](#)

control ordinance 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.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #5 and #6. 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.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Revisit and revise the Villages Contingency documents. Conduct training exercise for emergency response procedures.	Annually	Public Works Department, Operating Budget.
Review the cross-connection control program	Review the cross-connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant or in the distribution system may negate all source water protection initiatives provided by the community.	Annually	Public Works Department, Operating Budget
Evaluate additional source water protection management options	Continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.	Annually	Public Works Department, Operating Budget
Revised maximum setback of Well #5 and #5.	Modify maximum setback ordinance to include Well #5 and #6 with a setback of 1,000-feet.	2025	Public Works Department, Ordinance Revision

Appendix A

Vision Statement Resolution

RESOLUTION 24-115

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

1. The above recitals are incorporated herein and made part hereof.
2. The Village adopts the following Vision Statement for its SWPP, *"The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."*

PASSED UPON MOTION BY C. Grings

SECONDED BY Cheek

BY ROLL CALL VOTE THIS 19 DAY OF June, 2024

AS FOLLOWS:

VOTING "AYE": Cheek, Costanza, Davies, Grings, Moore, Straw

VOTING "NAY": _____

ABSENT, ABSTAIN, OTHER _____

APPROVED: June 19, 2024.

Donald Smith
VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK: R. Miller



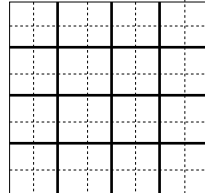
Appendix B

Well Logs

Municipal Water Supply	Top	Bottom
clay & stones	0	50
sand & gravel	50	60
clay & stones	60	65
sandy clay & gravel	65	120
clay	120	130
sandy clay	130	140
sand & gravel	140	150
sand	150	190
sandy clay & gravel	190	195
sand	195	205
Total Depth		205
Casing: 10" .365 WELL THICKNESS from -2' to 163' " 304 SS SCREEN from 185' to 205'		
Screen: 20' of " diameter .018 slot		
Grout: CEMENT from 0 to 60.		
Static level 53' below casing top which is 2' above GL		
Pumping level 97' when pumping at 600 gpm for 0 hours		
Remarks: PICS 00790300 #2, well #5 is 40' from #6		
Owner Address: ,		
Add'l loc. info: FALSE backup well for #5		
Location source: Aerial Photograph verified Verified by: VJA on May 25, 2021.		
Image viewing help: New users please read this.		
GET FILE IL State Water Survey Document		

Permit Date: Permit #: 0149-FY

COMPANY Rosenquist, Robert G.
 FARM Poplar Grove South
 DATE DRILLED NO. 6
 ELEVATION 0 COUNTY NO. 24374
 LOCATION SW SE NE
 LATITUDE 42.306709 LONGITUDE -88.846281
 COUNTY Boone API 120072437400



11 - 44N - 3E

GET FILE	IL State Water Survey Document
GET FILE	IL State Water Survey Document

Rosenquist, Robert G.

Poplar Grove Sout 6

COUNTY Boone

API 120072437400 11 - 44N - 3E

Appendix C

PFAS Data



Illinois EPA PFAS Sampling Network (2020-2021)

Search PWS
None

Overall Network
1,428

Total Sites with Confirmed Detections
149

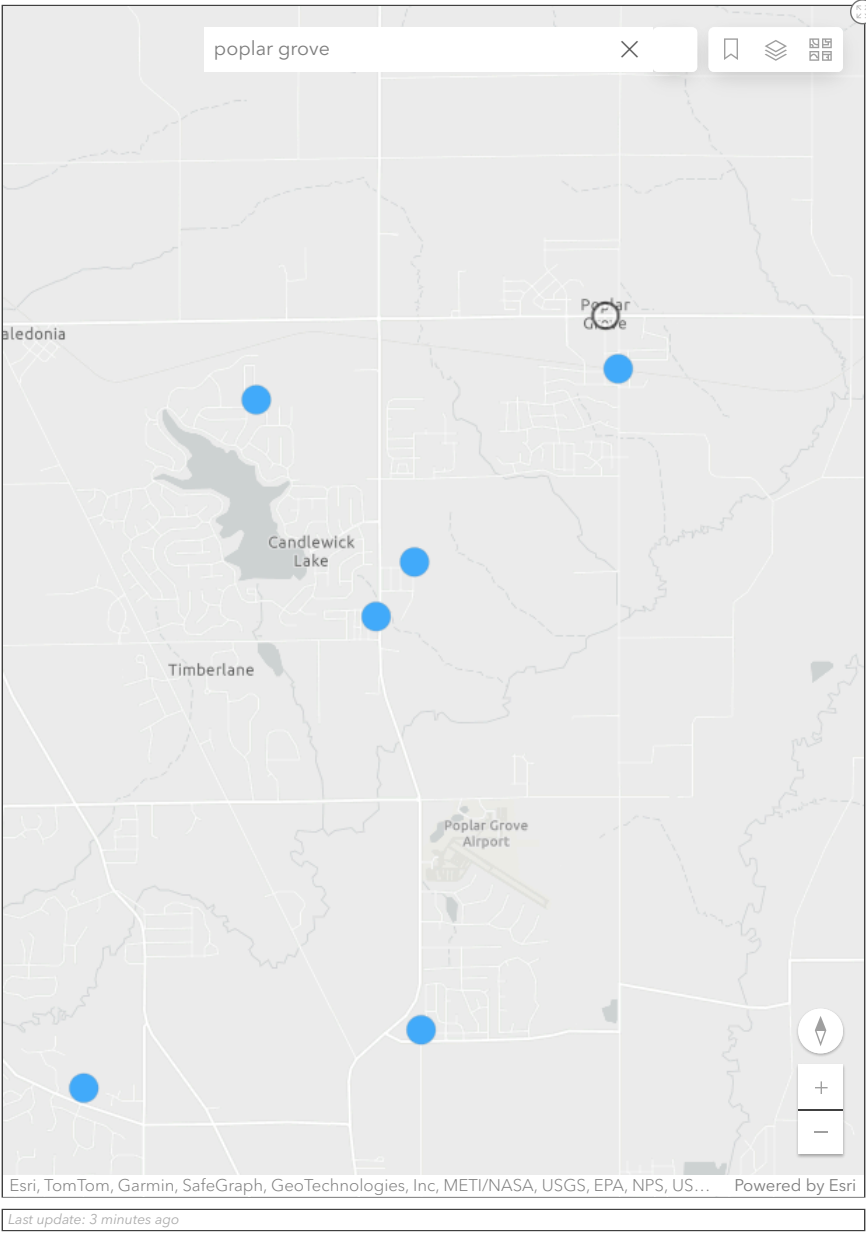
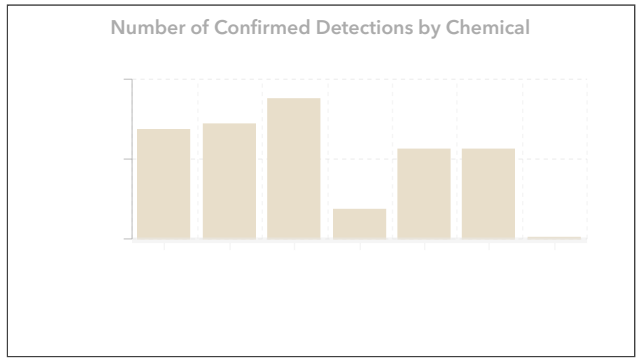
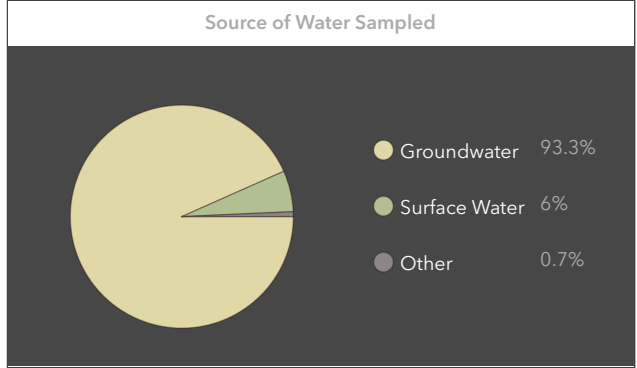
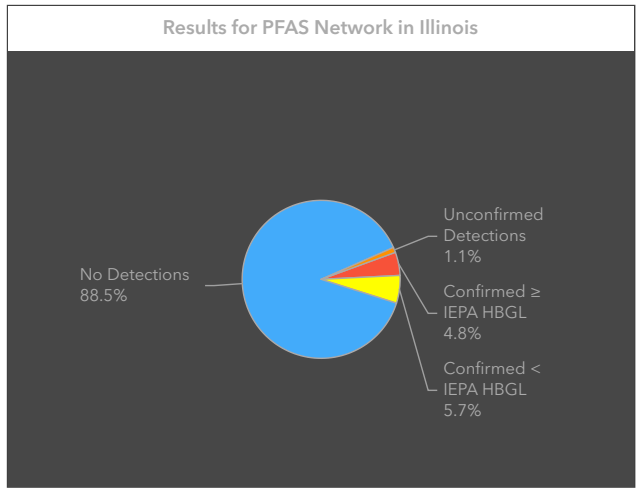
Total Sites Unconfirmed
15

Confirmed ≥ to IEPA HBGL
68

Confirmed < IEPA HBGL
81

Unconfirmed Detections
15

No Detections
1,264



PFAS Network

- Confirmed ≥ IEPA HBGL
- Confirmed < IEPA HBGL
- Unconfirmed Detections
- No Detections

the US EPA Method 537.1 is 2 ng/L.
ND: Not Detected at the MRL - US EPA Method 537.1 used to analyze for **18 PFAS chemicals**. 11 of the 18 chemicals were not detected during sampling and will appear in the popup window for sample sites.
Unconfirmed Detection: detection of one or more PFAS chemicals not confirmed through subsequent testing sample site
ng/L: nanograms per liter (equivalent to parts per trillion)
Site Classification based on the 18 PFAS Chemicals in Method 537.1 and MRL of 2 ng/L*
Confirmed: sample site with at least 2 detections of 1 more of the same PFAS chemical from different sample dates; may include single occurrence of other PFAS chemicals
Unconfirmed: sample site with single occurrence of 1 more PFAS chemical from all samples
No Detection: sample site with no occurrence of any chemical
 * Determination of site classification is based only on collected as part of the 2020-2021 IEPA PFAS Network

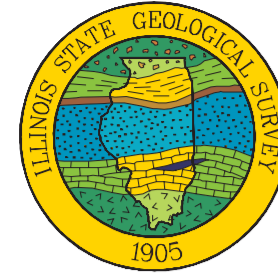
Links to Additional Info

- PER- AND POLYFLUOROALKYL SUBSTANCES
- PFAS Statewide Investigation Network: Community Water Supply Sampling
- Process to Establish Maximum Contaminant Levels for PFAS in Illinois

Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US... Powered by Esri
 Last update: 3 minutes ago

Appendix D

Aquifer Geology

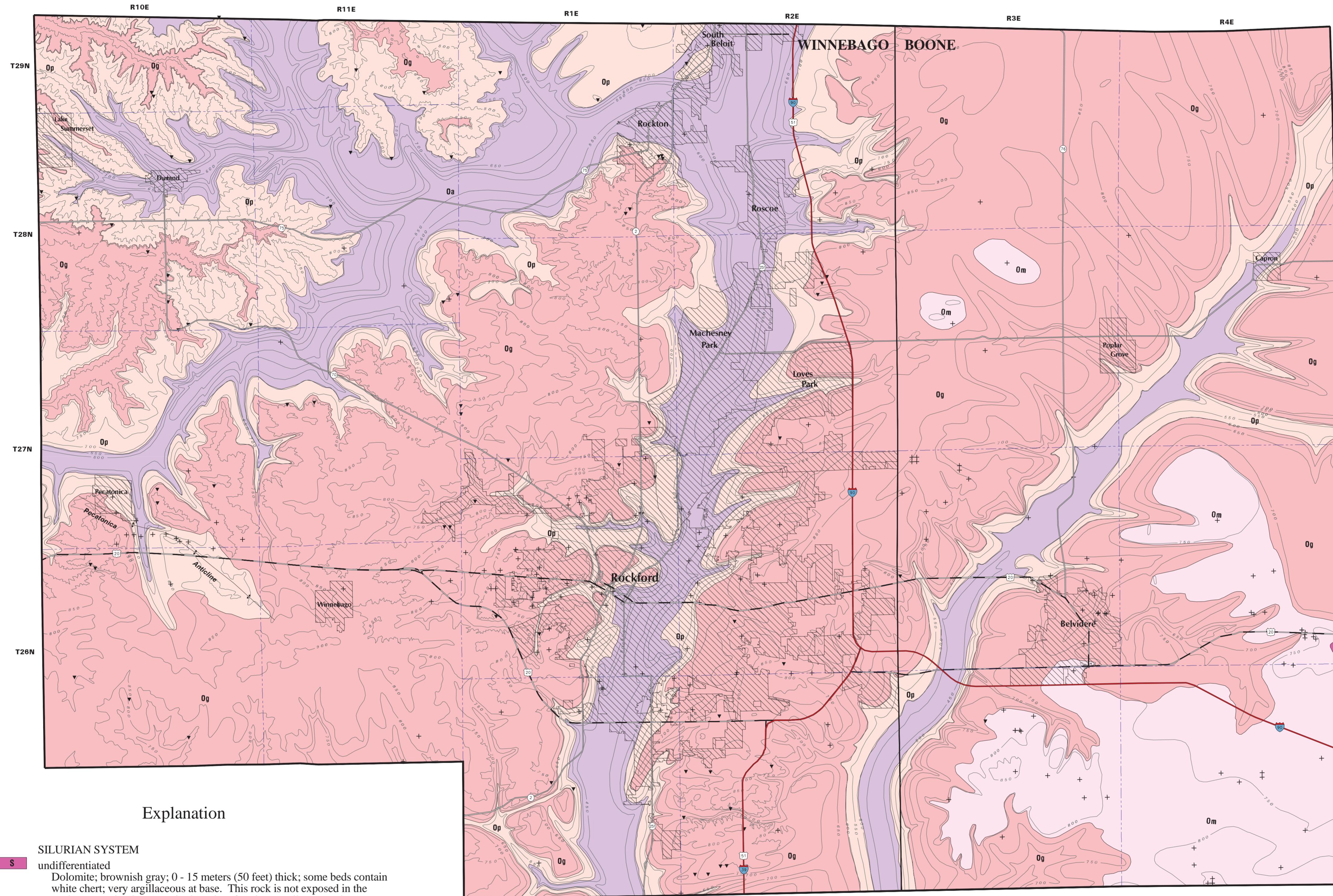


State of Illinois
Department of Natural Resources

Bedrock Geology of Boone and Winnebago Counties, Illinois

Christopher S. McGarry
2000

Illinois State Geological Survey
William W. Shilts, Chief
Champaign



Explanation

- SILURIAN SYSTEM**
- S** undifferentiated
Dolomite; brownish gray; 0 - 15 meters (50 feet) thick; some beds contain white chert; very argillaceous at base. This rock is not exposed in the study area and only occurs in the subsurface in a small area on the eastern edge of Boone County.
- ORDOVICIAN SYSTEM**
- Om** Maquoketa Group
Shale and dolomite; greenish-gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.
 - Og** Galena Group
Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (K-bentonite) beds. These cliff forming-rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.
- PLATTEVILLE GROUP**
- Op** Platteville Group
Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.
- ANCELL GROUP**
- Oa** Ancell Group
Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.

- Data Points**
- Well
 - Bedrock Exposure
 - Anticline
 - Interstate Highway
 - US Highway
 - State Highway
 - Municipality
 - Bedrock Topography
 - Contour Interval 50 Feet



Scale 1:100,000
1 inch equals approximately 1 1/2 miles
0 1 2 3 4 5 6 7 8 9 10 Kilometers
1 2 3 4 5 Miles
Lambert Conformal Conic Projection



Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena-Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.

Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5-minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill-cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include un lithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern Illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two-county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonica reveals very gently northeast-dipping beds, a subtle exposure of this structure.

References:

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN
TEJAS	QUATERNARY		0 - 137 m (0 - 450 ft.)	
	SILUR.		15 m (50 ft.)	
TIPPECANOE	ORDOVICIAN		46 - 61 m (150 - 200 ft.)	
		Maquoketa	46 - 61 m (150 - 200 ft.)	
		Galena	76 m (250 ft.)	
		Platteville	30 m (100 ft.)	
		Ancell	Glenwood 2-18 m (5-60 ft.) St. Peter 61-122 m (200-400 ft.)	
SAUK	CAMBRIAN		Potosi 15-30 m (50-100 ft.) Franconia 15-30 m (50-100 ft.)	
			Ironton - Galesville 23-52 m (75-170 ft.)	
			Eau Claire 107-137 m (350-450 ft.)	
			Mt. Simon 305-488 m (1000-1600 ft.)	
	PRECAMBRIAN		GRANITE	

Appendix E

Factsheet



Source Water Assessment Program Factsheets

Select Water System Type

Community ▼

Select County

Boone ▼

Search County

-- Or --

Enter any part of a Facility Name

Search Facility Name

Search Results

POPLAR GROVE SOUTH ▼

Select Water System

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describes pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

Poplar Grove South (Facility Number IL0070300) utilizes two active community water supply (CWS) wells. Well #5 and Well #6 (Illinois EPA ID WL01505 and WL01693, respectively) provide approximately 69,159 gallons per day delivered to 385 service connections, and serves an estimated population of 1,155.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL01505	WELL 5 (01505)	A	220.00	200	0	0101	Sand & Gravel	0
WL01693	WELL 6 (01693)	A	208.00	200		0101	Sand & Gravel	0

Intake Details:

No Data

Source Water Quality:

Poplar Grove South's Well #5 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC) and volatile organic compounds (VOC). Well #6 was sampled in 2011 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410. Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove South's wells did not indicate the presence of bacterial contaminants.

Finished Water Quality:

As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. Further information on finished water quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards, and maximum contaminant levels, is available at Drinking Water Watch (<http://water.epa.state.il.us/dww>). Similar information is also available in the Consumer Confidence Report supplied by Poplar Grove South to its consumers.

Potential Sources Of Contamination:

The Illinois EPA performed a survey to identify potential sources of contamination to the community's well water. 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. During the survey of Poplar Grove South's source water protection area in 2011, no potential sources for Well #5 or Well #6 were identified. 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 (SRP) database (<http://epadata.epa.state.il.us/land/srp/search.asp>) to further assess potential sources of contamination. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). No additional sites were found in these databases.

Site Data For This Facility:

No Data

Susceptibility To Contamination:

The Illinois EPA does not consider Poplar Grove South's source water to be susceptible to contamination. This determination was made based on the identification of potential sources and routes of contamination, land-use activities around the well, available hydrogeological data, and monitoring results. During the survey of the source water protection area, no potential sources were identified within the minimum setback zones or the 1,000 foot Phase I Wellhead Protection Areas (WHPA) for Well #5 or Well #6. Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

Source Water Protection Efforts:

The Illinois Environmental Protection Agency provides a minimum protection zone of 200 feet for Poplar Grove South's wells. This minimum protection zone is regulated by the Illinois EPA. To further minimize the risk to the groundwater supply, the Illinois EPA recommends that three additional activities be considered. First, the water supply staff may wish to revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Second, the water supply staff is encouraged to conduct a biennial cross connection survey of the distribution system as outlined in the cross connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review their cross connection control ordinance 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. Finally, the Illinois EPA recommends continuing efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells.

Engineering Report

Source Water Protection Plan West Water System



Prepared for The
VILLAGE OF
POPLAR GROVE
BOONE COUNTY | ILLINOIS

July 2024
McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan West Water System



Prepared for The

**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

July 2024

McM. No. McM. No. P0013 07-24-00111

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Engineering Report

Source Water Protection Plan West Water System



Prepared for The

**VILLAGE OF
POPLAR GROVE**
BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC.
MACHESNEY PARK, ILLINOIS

July 2024

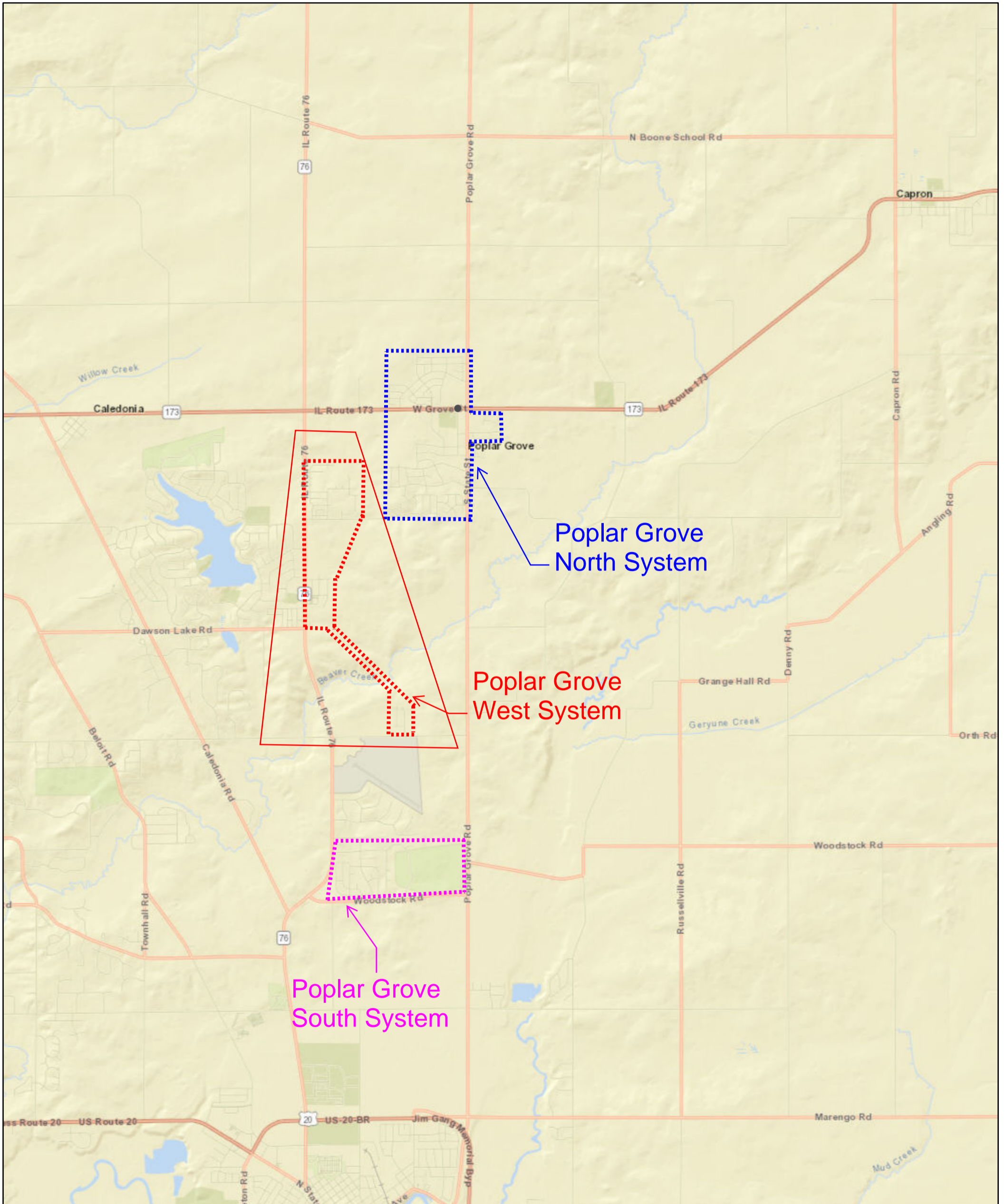
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I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the West Water System. The sole source of water for the Poplar Grove West distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

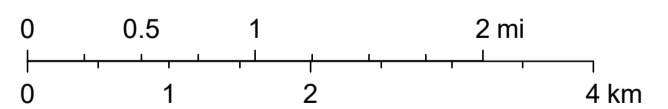
Figure 1 - Map of Poplar Grove, IL



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that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove’s policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove’s Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village’s Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as Follow:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply’s Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The multi-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village President	815-765-3201	dsattler@villageofpoplargrove.com
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargrove.com
Owen Costanza	Village Trustee – Administration & Zoning Chair	815-765-3201	ocostanza@villageofpoplargrove.com
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargrove.com
Jeff Goings	Village Trustee – Finance & Public Works Chair	815-765-3201	jgoings@villageofpoplargrove.com
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargrove.com
Elizabeth Straw	Village Trustee	815-765-3201	estraw@villageofpoplargrove.com
David Howe, Test Inc.	Director of Public Works Contract Operator	815-765-3201	dhowe@villageofpoplargrove.com

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village’s West Water System is identified by the IEPA as Water System No. IL0070350. The West Water System utilizes one active community water supply well (Well #4, WL01420, previously called Well #1) which obtains water from a groundwater sand and gravel

aquifer. Well #4 provides approximately 47,770 gallons per day of water to 283 service connections or a population of 621 individuals.

The Well is located north of Menge Lane and serves residents in the Countryside area subdivisions of West Grove, Breakaway Trail, and Trials of Dawson Creek. Well #4 backs up the North Water System through a two-way PRV located on Whiting Road. There is also an interconnect between Candlewick Lake's system and Poplar Grove's west system along IL 76. Refer to Figure 2 for a map displaying the well location.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #4 at the Village of Poplar Grove. An ISGS well drilling log with detailed geology can be found in Appendix B.

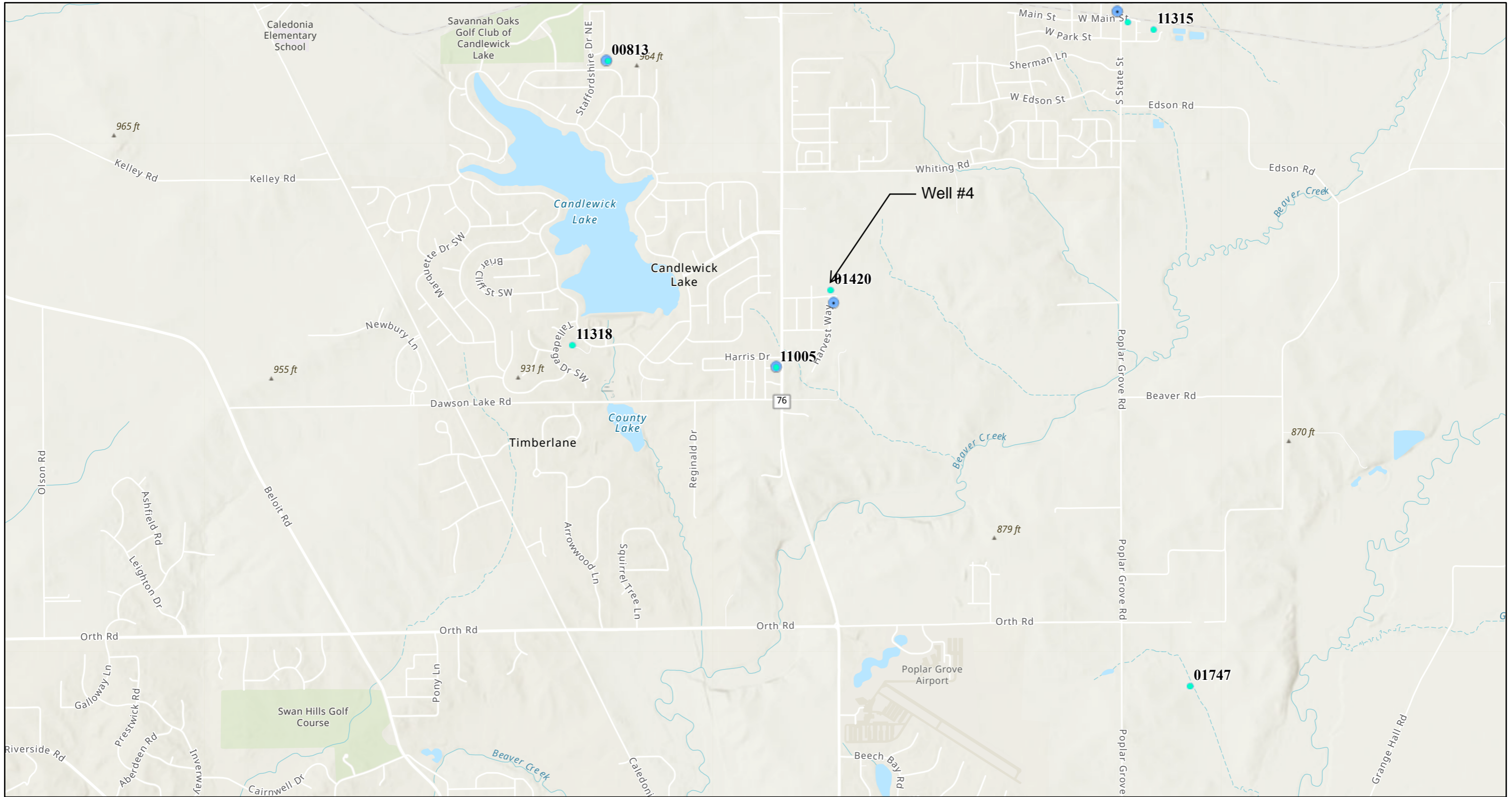
Wells #4 has a minimum 200-ft. radius setback zone and no maximum setback zone. Well #4 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, "the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield". Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #4 is classified as "Low potential for recharge" in the IEPA SWAP mapping system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas near Well #4.

The major components of the water system are summarized in Table #1 below. The well construction log is provided in Appendix B.

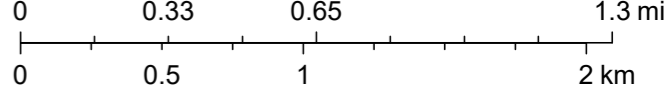
Figure 2 - West Water System



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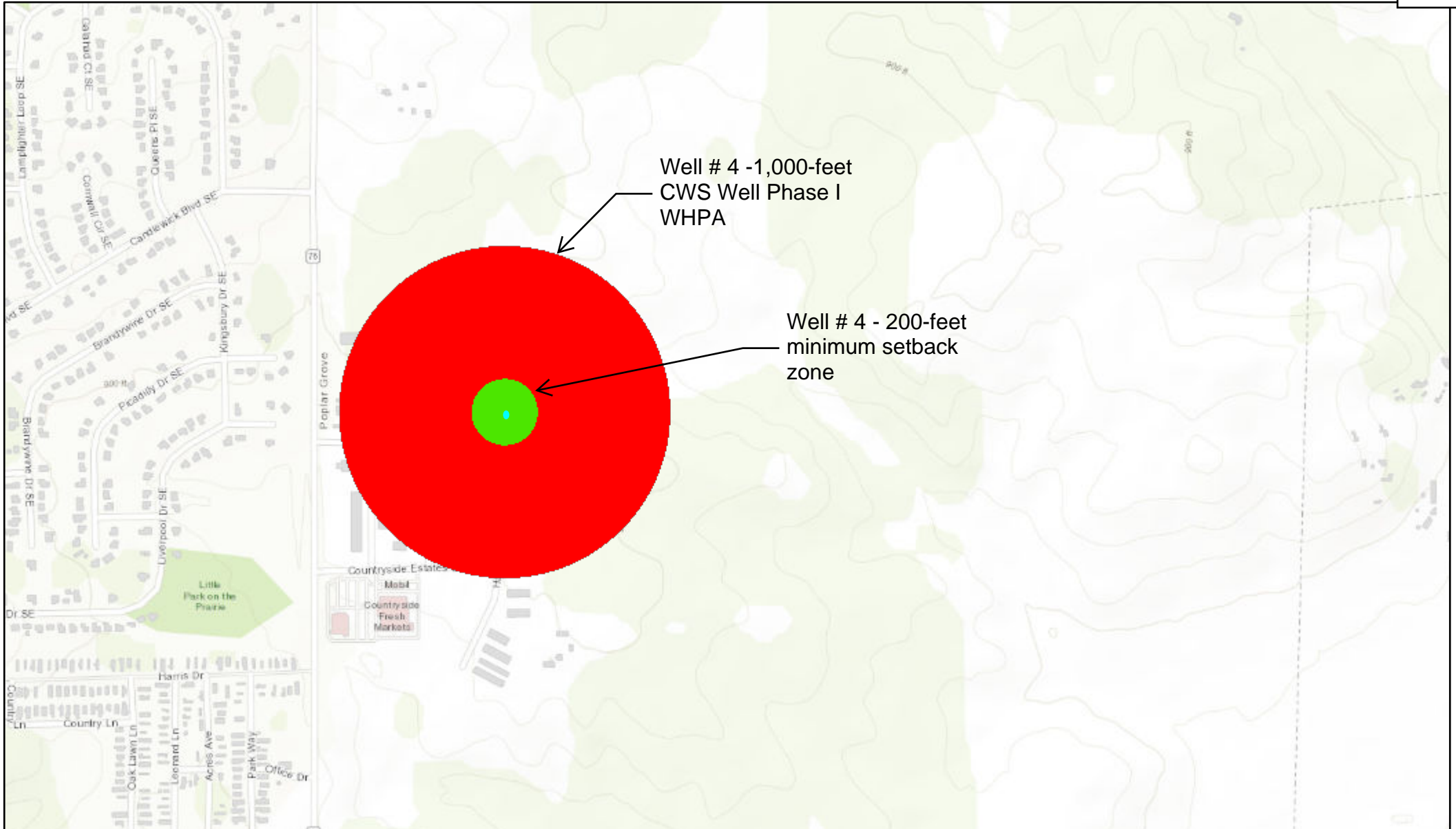
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- CWS Wells with Well ID Labels
- Active CWS Systems
- Counties



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Figure 3 - Wellhead Protection



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- CWS Wells Minimum Setback Zone
- CWS Wells Phase1 WHPA
- Class 3 Groundwater

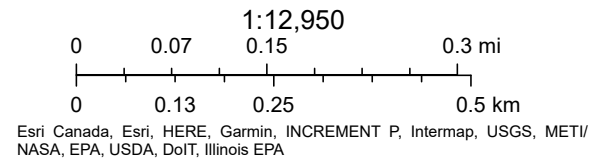


Table #1
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description /ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
West	No. 4 (WLO1420)	2001	115	Sand & Gravel	Active	200	0

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at active Well #4 (Water System IL0070350) is sampled by the Village and tested periodically by an accredited laboratory. The sample frequency of the wells obtained from the IEPA Drinking Water Branch portal is summarized in Appendix C.

Table #2
Summary of the Source Water Quality
Village of Poplar Grove, Boone County, Illinois

Parameter	Date	Well #4	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/23/2005	0	6	
Arsenic, ug/L	5/23/2005	0.76	50	
Barium mg/l	5/23/2005	0.05	2	
Beryllium, ug/L	5/23/2005	0	4	
Cadmium, mg/L	5/23/2005	0	0.005	
Chromium, mg/L	5/23/2005	0	0.1	
Cyanide, mg/L	5/23/2005	0	0.2	
Floride, mg/L	5/24/2005	0.15	4	
Mercury, mg/L	5/23/2005	0	0.002	
Nickel, ug/L	5/23/2005	0		
Selenium, mg/L	5/23/2005	0	0.05	
Thallium, TOTAL, mg/L	5/23/2005	0	0.002	
Sodium, mg/L	5/23/2005	11		
Nitrate, mg/L	5/23/2005	0	10	
Lead, mg/L	5/23/2005	0	0.015	
Copper, mg/L	5/23/2005	0	1.3	1
Alkalinity, mg/L	5/23/2005	289		
Calcium, ug/L	5/23/2005	89,000		

Chloride, mg/L	5/23/2005	36.6	250
Iron, mg/L	5/23/2005	0.57	0.3
Magnesium, ug/L	5/23/2005	39,000	
Manganese, mg/L	5/23/2005	0.062	0.05
pH, s.u.	5/23/2005	6.75	6.5-8.5
Hardness, mg/l	5/23/2005	380,000	
TDS, mg/L	5/23/2005	521	500
Sulphate, mg/L	5/23/2005	61.8	250
Aluminum, mg/L	5/23/2005	0	0.05-0.2
Nitrogen-Ammonia, mg/l	5/23/2005	0	
Iron, ug/L	5/23/2005	570	300
Potassium, ug/L	5/23/2005	0	
Silica, mg/L	5/23/2005	15.3	
Silver, ug/L	5/23/2005	0	
Strontium, ug/L	5/23/2005	64	
Boron, ug/L	5/23/2005	12	
Cobalt, TOTAL, ug/L	5/23/2005	0	
Molybdenum, ug/L	5/23/2005	0	
Vanadium, ug/L	5/23/2005	0	
Phosphorus, mg/L	5/23/2005	0	
Zinc, mg/L	5/23/2005	0	5
Phenols, ug/L	5/23/2005	0	

Well #4 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data displayed in Table #2 indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410.

Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove West did not indicate the presence of bacterial contaminants.

b. Finished Water Quality

The water quality of the currently active well was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards.

Table #3
Summary of Finished Water Quality (2013 through 2023)
Village of Poplar Grove, Boone County, Illinois

Parameter	Well #4 (TP 1)	Primary Standard MCL	Secondary Standard MCL
Nitrate, mg/l	0.16	10	
Barium, ug/l	54.15	2000	
Fluoride, mg/l	0.75	4	
Iron, mg/l	0.57		0.3
Manganese, ug/l	95.40		50
Nickel, ug/l	5.00		
Sodium, mg/l	19.88		
Sulphate, mg/l	44.55		250
Arsenic, ug/l	2.26	50	
Chlorine, mg/l	72.00		250
Magnesium, mg/l			
Selenium, ug/l		50	
Calcium, mg/l	93.90		
Total Hardness, mg/l, as CaCO3	408.00		
Total Alkalinity, mg/L	305.00		
TDS, mg/L	453.00		500
Zinc, ug/L	0.16	10	

The IEPA began testing the Village’s water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

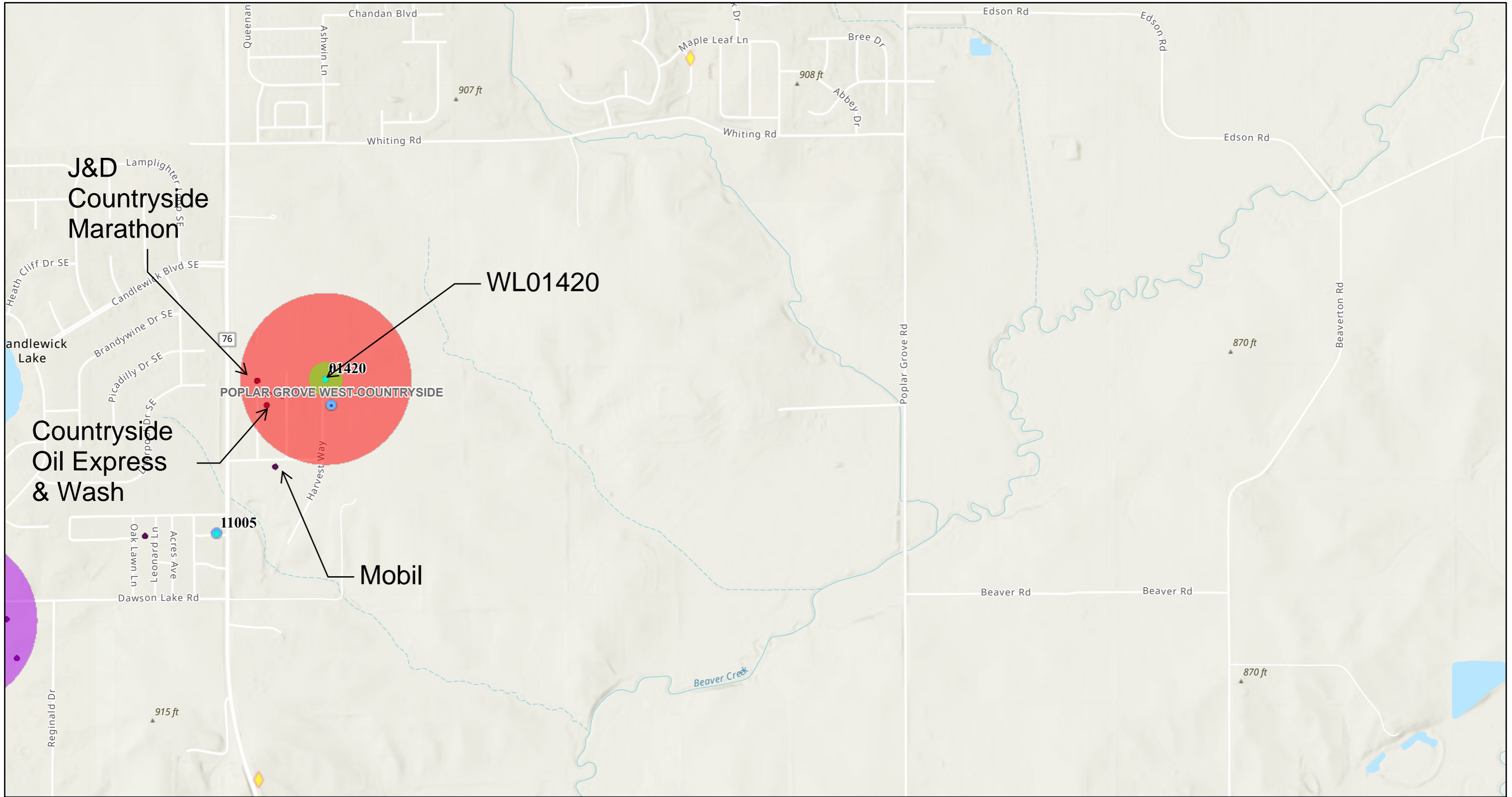
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a quarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites.

The sites labeled on the Map in Figure 4 and described in Table 4 are considered “potential” sources of contamination. These sites were identified through the Illinois EPA’s Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

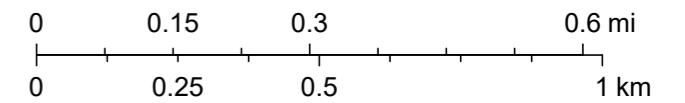
Figure 4 -Potential Source of Water Contamination



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| ● CWS Wells with Well ID Labels | ● Non-CWS Wells | ★ Resource Conservation and Recovery Act (RCRA) |
| ● Active CWS Systems | ◆ CWS Surface Water Intakes | ● Toxic Release Inventory (TRI) |
| ◆ LUST Data | ■ CWS Wells Phase II WHPA | ● Potential Sources of Contamination (WSSR) |
| ■ CWS Wells Phase1 WHPA | ■ CWS Wells Minimum Setback Zone | □ Counties |
| ■ Non-CWS Wells Phase I WHPA | ■ CWS Wells Adopted Maximum Setback Zone | |
| ■ Non-CWS Wells Minimum Setback Zone | ■ Active Landfills | |



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Illinois EPA, Bureau of and Leaking UST, DPWS, BOL, IEPA

Table #4
Potential Sources of Contamination in Well #4 Recharge Area
Village of Poplar Grove, Boone County, Illinois

Site Name/Location	Site Description	Distance to Wellhead, feet
J&D Countryside Marathon Gas– 13615 IL-76, Popular Grove IL, 61065	Gas Station, below ground petroleum greater than 500 gallons gas station	800-ft
Countryside Oil Lube -4209 Menge Lane, Popular Grove IL, 61065	Auto Repair	730-ft
Mobil – 13517 IL-76, Popular Grove IL, 61065	Gas Station, below ground petroleum greater than 500 gallons gas station	1,170-ft

F. Susceptibility to Contamination

There are three (3) sources of groundwater contamination that could pose a hazard to groundwater utilized by the Poplar Grove community water supply wells. The Illinois EPA does not consider Poplar Grove West system source water susceptible to contamination. This determination is based on a number of criteria including: the identification of potential sources and routes of contamination, land-use activities around the well, monitoring conducted at the well, monitoring conducted at the entry point to the distribution system, and the available hydrogeologic data on the well.

During the survey of the source water protection area, two (2) potential sources of contamination were identified within the 1,000-foot Phase I Wellhead Protection Area (WHPA) for Well #4. One additional potential source was identified outside of the Phase I WHPA Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

G. Existing Source Water Protection

The Village’s current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides minimum protection zones of 200 feet for Well #4. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has

also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

The Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection control ordinance 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.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #4. 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.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Revisit and revise the Villages Contingency documents. Conduct training exercise for emergency response procedures.	Annually	Public Works Department, Operating Budget.
Review the cross-connection control program	Review the cross-connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant or in the distribution system may negate all source water protection initiatives provided by the community.	Annually	Public Works Department, Operating Budget
Evaluate additional source water protection management options	Continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.	Annually	Public Works Department, Operating Budget
Revised maximum setback of Well #4.	Modify maximum setback ordinance to include Well #4 with a setback of 1,000-feet.	2025	Public Works Department, Ordinance Revision

Appendix A

Vision Statement Resolution

RESOLUTION 24-115

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

1. The above recitals are incorporated herein and made part hereof.
2. The Village adopts the following Vision Statement for its SWPP, *"The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."*

PASSED UPON MOTION BY Crings

SECONDED BY Cheek

BY ROLL CALL VOTE THIS 19 DAY OF June, 2024

AS FOLLOWS:

VOTING "AYE": Cheek, Costanza, Davies, Crings, Moore, Straw

VOTING "NAY": _____

ABSENT, ABSTAIN, OTHER _____

APPROVED: June 19, 2024.

Donald G. Smith
VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK: R. Miller



Appendix B

Well Logs

Item 9.

Page 1

ILLINOIS STATE GEOLOGICAL SURVEY

Noncommunity - Public Water Well	Top	Bottom
clay & stones	0	75
sand & gravel	75	115
Total Depth		115
Casing: 4" PLASTIC from -1' to 110'		
4" PLASTIC SCREEN from 110' to 115'		
Screen: 5' of 4" diameter 20 slot		
Grout: BENTONITE from 0 to 90.		
Water from sand & gravel at 110' to 115'.		
Static level 9' below casing top which is 1' above GL		
Pumping level 50' when pumping at 20 gpm for 2 hours		
Permanent pump installed at 100'		
on October 14, 2001, with a capacity of 24 gpm		
Remarks: driller's est well yield 40 gpm/for mall		
Owner Address: % Country Side Mall 301 Office Dr. Poplar Grove, IL		
Address of well: Country Side Mall		
Poplar Grove, IL		
Add'l loc. info: Subdivision: Country Side Mall		
Location source: Location from permit		
Verified by: VJA on February 23,		
2021.		

[Image viewing help: New users please read this.](#)

[GET FILE](#) IL State Water Survey Document

[GET FILE](#) IL State Water Survey Document

Permit Date: July 12, 2001

Permit #: 007-094

COMPANY Rosenquist, Robert G.

FARM Harris, Leonard

DATE DRILLED February 15, 2001 NO.

ELEVATION 0 COUNTY NO. 23968

LOCATION NE NW SE

LATITUDE 42.348509 LONGITUDE -88.84785

COUNTY Boone API 120072396800 26 - 45N - 3E

147

Appendix C

PFAS Summary



Illinois EPA PFAS Sampling Network (2020-2021)

Search PWS
None

Overall Network
1,428

Total Sites with Confirmed Detections
149

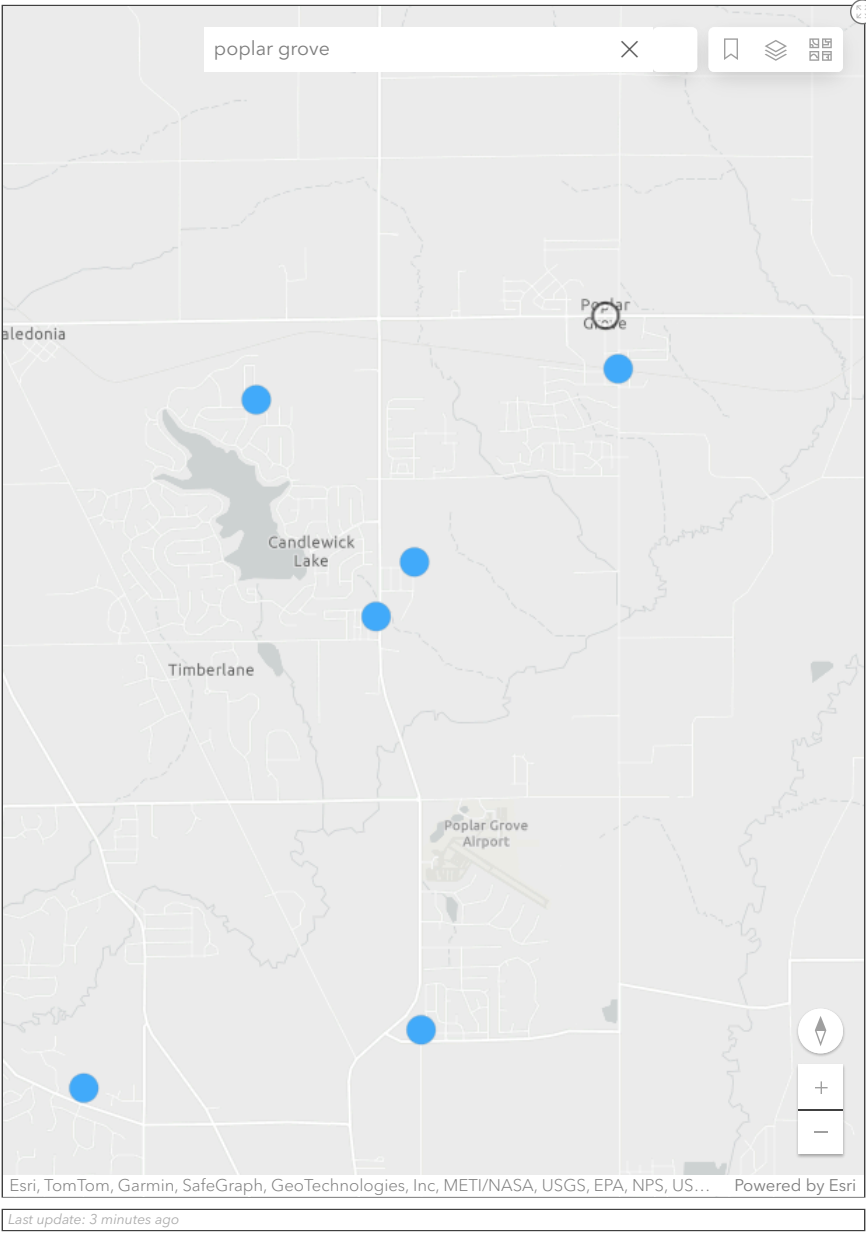
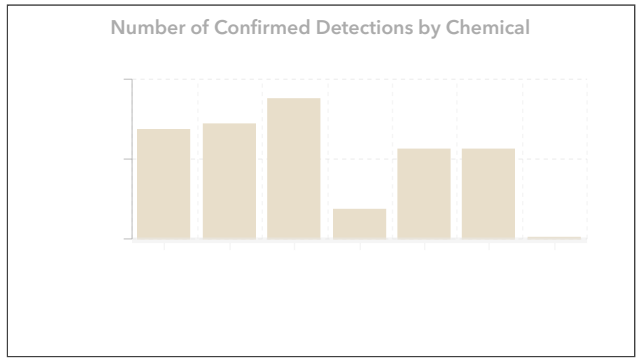
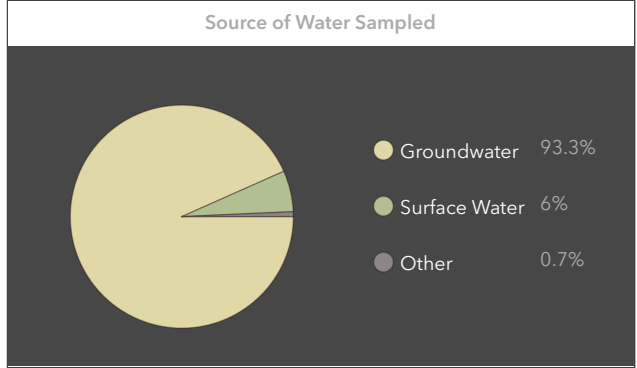
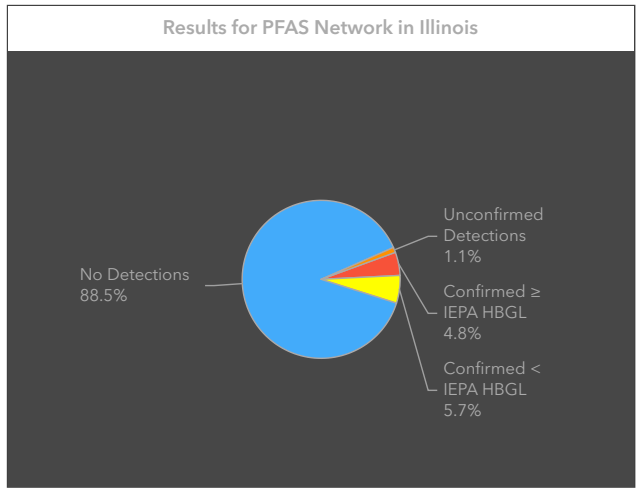
Total Sites Unconfirmed
15

Confirmed ≥ to IEPA HBGL
68

Confirmed < IEPA HBGL
81

Unconfirmed Detections
15

No Detections
1,264



PFAS Network

- Confirmed ≥ IEPA HBGL
- Confirmed < IEPA HBGL
- Unconfirmed Detections
- No Detections

the US EPA Method 537.1 is 2 ng/L.
 ND: Not Detected at the MRL - US EPA Method 537.1 used to analyze for 18 PFAS chemicals. 11 of the 18 chemicals were not detected during sampling and will appear in the popup window for sample sites.
 Unconfirmed Detection: detection of one or more PFAS chemicals not confirmed through subsequent testing sample site
 ng/L: nanograms per liter (equivalent to parts per trillion)

Site Classification based on the 18 PFAS Chemicals in Method 537.1 and MRL of 2 ng/L*

Confirmed: sample site with at least 2 detections of 1 more of the same PFAS chemical from different sample dates; may include single occurrence of other PFAS chemicals

Unconfirmed: sample site with single occurrence of 1 more PFAS chemical from all samples

No Detection: sample site with no occurrence of any chemical

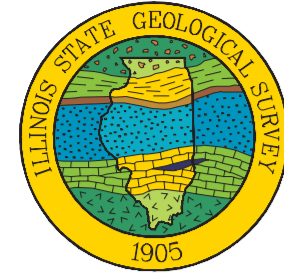
* Determination of site classification is based only on collected as part of the 2020-2021 IEPA PFAS Network

Links to Additional Info

- PER- AND POLYFLUOROALKYL SUBSTANCES
- PFAS Statewide Investigation Network: Community Water Supply Sampling
- Process to Establish Maximum Contaminant Levels for PFAS in Illinois

Appendix D

Aquifer Geology

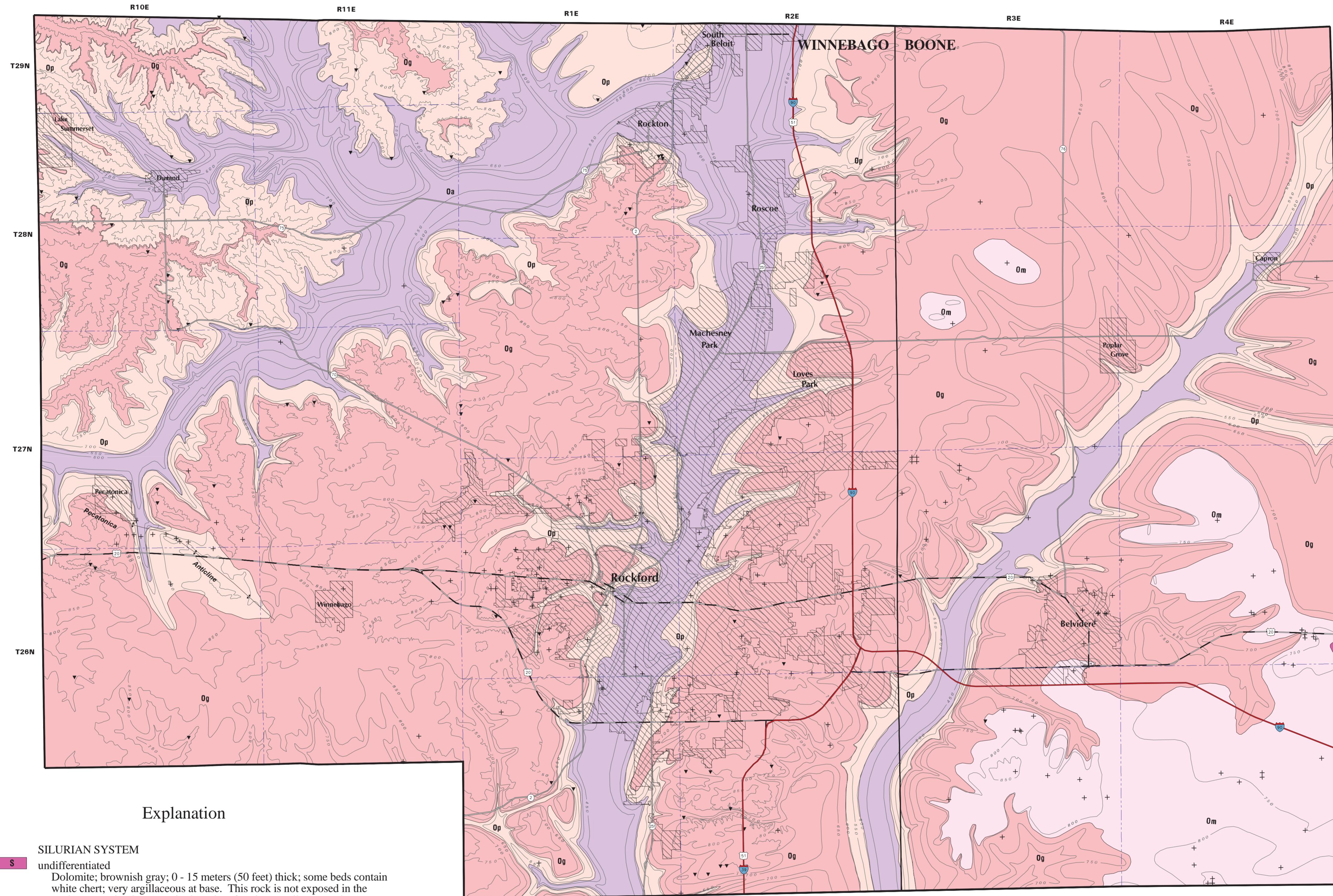


State of Illinois
Department of Natural Resources

Bedrock Geology of Boone and Winnebago Counties, Illinois

Christopher S. McGarry
2000

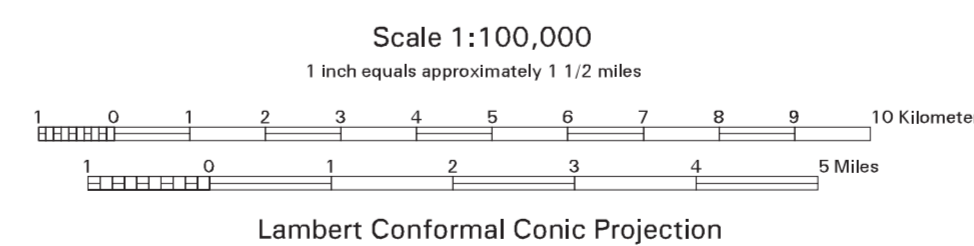
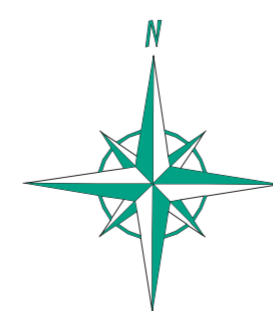
Illinois State Geological Survey
William W. Shilts, Chief
Champaign



Explanation

- SILURIAN SYSTEM**
- S** undifferentiated
Dolomite; brownish gray; 0 - 15 meters (50 feet) thick; some beds contain white chert; very argillaceous at base. This rock is not exposed in the study area and only occurs in the subsurface in a small area on the eastern edge of Boone County.
- ORDOVICIAN SYSTEM**
- Om** Maquoketa Group
Shale and dolomite; greenish-gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.
 - Og** Galena Group
Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (K-bentonite) beds. These cliff forming-rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.
- PLATTEVILLE GROUP**
- Op** Platteville Group
Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.
- ANCELL GROUP**
- Oa** Ancell Group
Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.

- Data Points**
- Well
 - Bedrock Exposure
 - Anticline
 - Interstate Highway
 - US Highway
 - State Highway
 - Municipality
 - Bedrock Topography
 - Contour Interval 50 Feet



Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena-Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.

Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5-minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill-cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include un lithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern Illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two-county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonica reveals very gently northeast-dipping beds, a subtle exposure of this structure.

References

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN	
TEJAS	QUATERNARY		0 - 137 m (0 - 450 ft.)		
	SILUR.		15 m (50 ft.)		
TIPPECANOE	ORDOVICIAN		46 - 61 m (150 - 200 ft.)		
		Maquoketa	76 m (250 ft.)		
		Galena	30 m (100 ft.)		
		Platteville	2-18 m (5-60 ft.)		
		Ancell	61-122 m (200-400 ft.)		
SAUK	CAMBRIAN		15-30 m (50-100 ft.)		
		Potosi	15-30 m (50-100 ft.)		
		Franconia	23-52 m (75-170 ft.)		
		Ironton - Galesville	107-137 m (350-450 ft.)		
		Eau Claire	305-488 m (1000-1600 ft.)		
				PRECAMBRIAN	GRANITE

Appendix E

Factsheet



Source Water Assessment Program Factsheets

Select Water System Type

Community ▼

Select County

Boone ▼

Search County

-- Or --

Enter any part of a Facility Name

Search Facility Name

Search Results

POPLAR GROVE WEST-COUNTRYSIDE ▼

Select Water System

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describes pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

Poplar Grove West-Countryside (Facility Number IL0070350) utilizes one active community water supply (CWS) well. Well #1 (Illinois EPA ID WL01420) provides approximately 47,770 gallons per day delivered to 283 service connections, and serves an estimated population of 621.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL01420	WELL 1 (01420)	A	121.00	200	0	0101	Sand & Gravel	0

Intake Details:

No Data

Source Water Quality:

Poplar Grove West-Countryside's Well #1 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410. Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove West-Countryside's well did not indicate the presence of bacterial contaminants.

Finished Water Quality:

As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. Further information on finished water quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards, and maximum contaminant levels, is available at Drinking Water Watch (<http://water.epa.state.il.us/dww>). Similar information is also available in the Consumer Confidence Report supplied by Poplar Grove West-Countryside to its consumers.

Potential Sources Of Contamination:

The Illinois EPA performed a survey to identify potential sources of contamination to the community's well water. 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. During the survey of Poplar Grove West-Countryside's source water protection area three potential sources for Well #1 were identified. 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 (SRP) database (<http://epadata.epa.state.il.us/land/srp/search.asp>) to further assess potential sources of contamination. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). No additional sites were found in these databases.

In the SITE DATA FOR THIS FACILITY table below, the Description - Type codes are as follows:

108 below ground storage (petroleum) greater than 500 gal. – gas station (PS)

736 auto repair

Site Data For This Facility:

Well ID	Site/GMZ ID	Map Code	Name	Distance	Status
WL01420	000025040	011D	J&D COUNTRYSIDE MARA	800	A
WL01420	000025041	011D	COUNTRYSIDE OIL LUBE	730	A
WL01420	000025042	011D	MOBIL	1170	A

Susceptibility To Contamination:

The Illinois EPA does not consider Poplar Grove West-Countryside's source water susceptible to contamination. This determination is based on a number of criteria including: the identification of potential sources and routes of contamination, land-use activities around the well, monitoring conducted at the well, monitoring conducted at the entry point to the distribution system, and the available hydrogeologic data on the well. During the survey of the source water protection area, two potential sources of contamination were identified within the 1,000 foot Phase I Wellhead Protection Area (WHPA) for Well #1. One additional potential source was identified outside of the Phase I WHPA. Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

Source Water Protection Efforts:

The Illinois Environmental Protection Agency provides a minimum protection zone of 200 feet for Poplar Grove West-Countryside's well. This minimum protection zone area is regulated by the Illinois EPA. To further minimize the risk to the groundwater supply, the Illinois EPA recommends that three additional activities be considered. First, the water supply staff may wish to revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize the

risk of being without safe and adequate water. Second, the water supply staff is encouraged to conduct a biennial cross connection survey of the distribution system as outlined in cross connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review their cross connection control ordinance 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. Finally, the Illinois EPA recommends continuing efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove West-Countryside could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

RESOLUTION NUMBER: 2024-18

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE, ILLINOIS TO AUTHORIZE THE VILLAGE OF POPLAR GROVE TO ENTER INTO AN AGREEMENT WITH SOLUTIONS BANK FOR A TRUCK LOAN

WHEREAS, the Village of Poplar Grove (the “Village”) is in need of a new public works truck; and

WHEREAS, the Village desires to enter into a loan agreement with Solutions Bank to provide such services for a truck loan in an amount not to exceed \$215,333.00 at an interest rate not to exceed 5.99%; and

WHEREAS, Solutions Bank has outlined their proposed interest rate upon which Solutions Bank will provide such loan services and have memorialized the same in the commitment letter attached hereto as Exhibit A and incorporated herein (“Agreement”); and

WHEREAS, the Village has determined it is in the best interest of the Village and its citizens to enter into an Agreement with Solutions Bank for truck loan services.

NOW THEREFORE, BE IT RESOLVED by the Village Board of Trustees of the Village of Poplar Grove, Illinois as follows:

1. The above recitals are incorporated herein and made a part hereof.
2. The Village hereby accepts and acknowledges the commitment letter with Solutions Bank to enter into a loan agreement for an amount not to exceed \$215,333.00 and at an interest rate not to exceed 5.99% pursuant to the commitment letter attached hereto as Exhibit A, or one in substantially similar form.
3. The Village President and Village Treasurer and Village Clerk are hereby authorized to execute and attest any future loan documents subject to Village Board of Trustees approval.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VOTE THIS ____ DAY OF _____, 2024

AS FOLLOWS:

VOTING “AYE”: _____

VOTING “NAY”: _____

ABSENT, ABSTAIN, OTHER _____

APPROVED _____, 2024

VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK

EXHIBIT A- COMMITMENT LETTER FROM SOLUTIONS BANK



July 3, 2024

Village of Poplar Grove
200 N. Hill Street
Poplar Grove, IL 61065

Dear Board of Trustees:

Thank you for allowing Solutions Bank the opportunity to offer financing terms for the purchase of a new truck. Please accept the following as our loan commitment:

- Borrower: Village of Poplar Grove, an Illinois Municipality
- Loan Amount: \$215,333.00
- Purpose: Purchase 2024 Ford F750 truck
- Interest rate: 5.99% fixed (for the life of the loan)
- Payments: estimated \$4,162 per month (principal and interest)
- Maturity: Five (5) years
- Amortization: Five (5) years
- Prepayment penalty: None
- Expiration Date: This proposal will be in effect until August 15, 2024.



- Authorization: Borrower agrees to provide copies of meeting minutes detailing the amount of the loan, intention to borrow from Solutions Bank, names/titles of the loan document signers and that the loan will be a General Obligation to the Village.
- Financial Disclosure: Borrower agrees to provide Bank with appropriate Board authorized annual financial statements and budgets.

Again, we thank you for the opportunity to offer financing and if you have any questions, please feel free to give me a call.

Sincerely,

A handwritten signature in blue ink that reads "Scott A. Greenlee".

Scott A. Greenlee
Executive Vice President