

AGENDA

Eau Claire County

- Groundwater Advisory Committee •

Date: Thursday, August 01, 2024

Time: 4:00 P.M.

Location: Eau Claire County Court House, Room 0302

721 Oxford Avenue, Eau Claire, WI 54703

Join WebEx Meeting:

<https://eauclairecounty.webex.com/eauclairecounty/j.php?MTID=m50cf7b5d66e627a73a3bcd903fd543c2>

Meeting number: 2535 017 4791 *Password:* SrbgYtMt289

**Meeting audio can be listened to using this Audio conference dial in information.*

Audio conference: 1-415-655-0001, Access Code: 25350174791##

For those wishing to make public comment, you must e-mail Heidi Pederson at

Heidi.Pederson@eauclairecounty.gov at least 30 minutes prior to the start of the meeting.

A majority of the county board may be in attendance at this meeting, however, only members of the committee may take action on an agenda item.

AGENDA

1. Call to order and confirmation of compliance with Open Meeting Law
2. Roll call
3. Public Comment Period (15 minute maximum)
4. Review/Approval of the May 02, 2024, meeting minutes (Discussion/Action) **Pages 2-3**
5. Groundwater Flow Model Project Update (Discussion)
6. **Proposed Ordinance: File No. 24-24/056** Recommendation for the City of Altoona's Groundwater Protection Overlay District into the Eau Claire County Code Pursuant to Chapter 18.230 (Discussion/Action) **Pages 4-30**
7. Private Well PFAS Update Presentation
8. Chippewa-Eau Claire Sewer Service Area Plan – Informational Update **Pages 31-32**
9. Member, Staff and Agency Updates
 - a. Committee Members
 - b. Regional Planning Commission
 - c. Planning and Development
 - d. Land Conservation
 - e. Health Department
 - f. County Municipalities
10. Set next meeting date
11. Future agenda Items
12. Announcements
13. Adjourn

**EAU CLAIRE COUNTY
GROUNDWATER ADVISORY COMMITTEE**

**MEETING MINUTES – May 02, 2024, 4:00 pm,
Eau Claire County Courthouse, Rm 0302
721 Oxford Ave, Eau Claire, WI 54703**

MEMBERS PRESENT: James Dunning, Larry Hoekstra, Darryll Farmer, Anna Mares, Mary Kenosian, Sham Anderson, Mark Kaeding, Jane Mohler

MEMBERS ABSENT: Bob Swanson

STAFF PRESENT: Rod Eslinger (Planning & Development); Chad Berge (Land Conservation); Jane Mueller (Town of Washington); Audrey Boerner, Matt Steinbach (Eau Claire City/County Health Department)

OTHERS PRESENT: Nancy Coffey (Eau Claire County Board) Lane Berg

1. Call to order by Chair.

The meeting was called to order by Chair Pro-term Dunning at 4:00 p.m.

2. Roll call of members present

Roll call was taken. A quorum was present with 5 members in attendance.

3. Confirmation of Compliance with Open Meeting Law

Dunning confirmed compliance with the open meetings law.

4. Public Comment Period

No public comments

5. Election of Chair and Vice Chair

DISCUSSION: James Dunning was nominated by Farmer for the Committee Chair. No other nominations were brought forward.

ACTION: Motion carried 5-0-0.

DISCUSSION: Darryl Farmer was nominated by Dunning for the Vice chair. No other nominations were brought forward.

ACTION: Motion carried 5-0-0.

6. Election of Committee Clerk

DISCUSSION: Heidi Pederson was nominated for the Committee clerk by Hoekstra. No other nominations were brought forward.

ACTION: Motion carried 5-0-0.

7. Review/Approval of January 18, 2024, meeting minutes

DISCUSSION: Change noted by Coffey that Lepsch adjourned the meeting.

ACTION: Motion by Anderson to approve the amended meeting minutes. Motion carried 5-0-0.

8. Groundwater Flow Model Project Update.

DISCUSSION: Eslinger provided current update regarding the US Army Corps of Engineers Floodplain Management

Services Program funding for the development of a groundwater flow model. Eslinger was hoping to receive a funding update from Sparks with the USACE but never received a response.

*Mark Kaeding arrived 4:08 pm

*Anna Mares arrived via Webex at 4:09 pm

*Mary Kenosian arrived via Webex at 4:12 pm

9. Members, Staff and Agency Updates

- a. **Committee Members** – Mohler – EPA has new PFAS standards and attended Brewing Projekt Earth Day. Farmer – attended Red Cedar Watershed Conference.
- b. **Regional Planning Commission** – Not present.
- c. **Planning and Development** – Eslinger provided a department update. Wrapping up updates to Farmland Preservation Plan.
- d. **Land Conservation** – Berge provided a division/staffing update.
- e. **Health Department** – Audrey provided link to DNR Shallow Wells Groundwater Study. [PFAS Ambient Shallow Groundwater Study | Wisconsin DNR](#)
Health Department purchased new ICPMS for laboratory. Sampling private wells in Southwestern area of county.
- f. **County Municipalities** – Anderson – Had his private well tested.

10. Set next Meeting Date

The next regular meeting date is August 1, 2024, at 4:00 p.m. in room 0302.

11. Future Agenda Items:

12. Announcements:

None

13. Adjourn

Chair Dunning adjourned the meeting at 4:55p.m.

Respectfully Submitted,



Heidi Pederson, Administrative Specialist
Groundwater Advisory Clerk

1 **Enrolled No.**

2 **ORDINANCE**

3 **File No. 24-25/056**

4 TO CREATE SECTION 18.230.170 OF THE CODE: GROUNDWATER PROTECTION
5 OVERLAY DISTRICT – CITY OF ALTOONA:

6 The County Board of Supervisors of the County of Eau Claire does ordain as follows:

7
8 **SECTION 1.** That Section 18.230.170 of the code be created to read:

9
10 18.230.170 Groundwater Protection Overlay District- City of Altoona. A groundwater
11 protection overlay district is created for the City of Altoona with the boundaries as shown on the
12 map dated October 2023, entitled Map of the Groundwater Protection Districts for Public Water
13 Supply Recharge Areas in Eau Claire County – City of Altoona on file in the office of the
14 department.

15
16
17 **ADOPTED:**

18
19 Committee on Planning & Development

	AYE	NAY	ABSTAIN
20 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21 Supervisor Robin Leary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23 Supervisor Jim Dunning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25 Supervisor Dane Zook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27 Supervisor Caleb Aichele	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29 Supervisor Michele Skinner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

30
31 Dated this _____ day of _____, 2024

32
33
34
35
36 RE/yk
37

June 28, 2024

Subject: Request to Incorporate Wellhead (Groundwater) Protection Overlay Districts into the County Code (Chapter 18.230)

Mr. Rod Eslinger
Planning Director
Eau Claire County
721 Oxford Avenue
Eau Claire, WI 54703

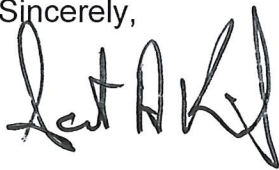
Dear Mr. Eslinger,

I hope this letter finds you well. I am writing to formally request the incorporation of wellhead (groundwater) protection overlay districts into the Eau Claire County Code, specifically in Chapter 18.230.

I look forward to your favorable response and am available to discuss this matter further or provide any additional information as needed. You can reach me at (715) 839-2948 or skwick@ci.altoona.wi.us.

Thank you for your attention to this important issue.

Sincerely,



Scott Kwick
Public Works Director
City of Altoona



December 14, 2023

CINDY BAUER CLERK
CITY OF ALTOONA
1303 LYNN AVE
ALTOONA WI 54720

Project Number: W-2023-0946
PWSID#: 61802807
DNR Region: WCR
County: EAU CLAIRE

SUBJECT: WATER SYSTEM WELLHEAD PROTECTION PLAN APPROVAL

Dear Ms. Bauer:

The Wisconsin Department of Natural Resources, Division of Environmental Management, Bureau of Drinking Water and Groundwater, is conditionally approving a wellhead protection plan for the City of Altoona.

Water system name: Altoona Waterworks

Date received: 10/23/2023

Consultant: Andrew Aslesen - Wisconsin Rural Water Association

Regional DNR Contact: Sonny Zentner, 1300 W Clairmont, Eau Claire, WI 54701, (715) 928-1624,
sonny.zentner@wisconsin.gov

DNR Plan Reviewer: Ken Scherer, 101 South Webster Street, P.O. Box 7921, Madison, WI 53707-7921, (715) 520-3981, kenneth.scherer@wisconsin.gov

Project description: On behalf of the City of Altoona (City), Wisconsin Rural Water Association submitted a Wellhead Protection Plan (WHPP) for existing Well Nos. 1, 3, 4, 5, 6, 7, 8, and 9. A copy of the City's draft Well Head Protection Ordinance (WHPO) was also included in the submittal. The department is hereby approving the WHPP subject to the conditions below.

Background: The City's water system consists of six active groundwater wells (Well Nos. 1, 3, 4, 5, 6, and 7) and two newly constructed groundwater wells (Well Nos. 8 and 9), two elevated storage tanks, and a distribution system containing two pressure zones and one booster station. Liquid sodium hypochlorite is injected into the discharge piping of each well as a disinfectant and liquid sodium hydroxide is injected into the discharge piping of each well for pH adjustment and distribution system corrosion control. The average day water demand for the system is approximately 970,000 gallons.

Well No. 1 (WUWN BF752) is located at the south end of 1st Street West in the central part of the City. The well is surrounded by residential land use on all sides. Well No. 1 was constructed in 1919, obtains water from a sandstone formation, and has a total depth of 194 feet. A 16-inch diameter outer casing extends from the surface to a depth of 21 feet. A 10-inch diameter casing extends from the surface to a depth of 71 feet and is sealed in place with grout. A 10-inch diameter open borehole extends from 71 feet to a depth of 194 feet. Auxiliary power for the well is provided by a portable diesel-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 3 (WUWN HO685) is located 2,100 feet east of Well No. 1 on the southwest corner of the intersection of Bradwood Avenue and 7th Street South in the central part of the City. The well is surrounded by residential land use to the north, west, and south and Altoona School property to the east. Well No. 3 was constructed in 1958 and reconstructed in 1996 by CTW Corporation, obtains water from a sandstone formation, and has a total depth of 195 feet. A 30-inch diameter outer casing extends from the surface to a depth of 50 feet. A 20-inch diameter casing extends from the surface to a depth of 135 feet and is sealed in place with cement grout. A 12-inch diameter casing extends from the surface to a depth of 136 feet and is sealed in place with neat cement grout. A 12-inch diameter open borehole extends from 136 feet to a depth of 195 feet. Auxiliary power for the well is provided by a portable diesel-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 4 (WUWN BF754) is located 620 feet north/northeast of Well No. 3 in the northwest part of the Altoona School property in the central part of the City. The well is surrounded by residential land use to the north and west and Altoona School property to the south and east. Well No. 4 was constructed in 1966 by Keys Well Drilling Company, obtains water from a sandstone formation, and has a total depth of 188 feet. A 20-inch diameter outer casing extends from the surface to a depth of 60 feet. A 12-inch diameter casing extends from the surface to a depth of 140 feet and is sealed in place with cement. A 20-inch diameter open borehole extends from 140 feet to a depth of 188 feet. Auxiliary power for the well is provided by a portable diesel-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 5 (WUWN BF755) is located 2,100 feet east/northeast of Well No. 1 on the northeast corner of the intersection of Bartlett Avenue and 5th Street East in the northeast part of the City. The well is surrounded by industrial, commercial, and a railroad yard to the northeast and residential land use to the south and west. Well No. 5 was constructed in 1972 by Keys Well Drilling Company, obtains water from a sandstone formation, and has a total depth of 172 feet. A 20-inch diameter outer casing extends from the surface to a depth of 102 feet. A 14-inch diameter casing extends from the surface to a depth of 126 feet and is sealed in place with neat cement. A 19-inch diameter open borehole extends from 126 feet to a depth of 172 feet. No auxiliary power for the well is provided.

Well No. 6 (WUWN BF756) is located 2,100 feet southeast of Well No. 1 on the northwest corner of the intersection of Devney Drive and 3rd Street East. The well is surrounded by residential land use on all sides. Well No. 6 was constructed in 1983 by William D. Brunner, obtains water from a sandstone formation, and has a total depth of 185 feet. An 18-inch diameter outer casing extends from the surface to a depth of 100 feet. A 12-inch diameter casing extends from the surface to a depth of 150 feet and is sealed in place with neat cement. A 17-inch diameter open borehole extends from 150 feet to a depth of 185 feet. Auxiliary power for the well is provided by a portable diesel-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 7 (WUWN VX766) is located 1,100 feet southeast of Well No. 6 at the north end of Bob Brown Boulevard in the southeast-central part of the City. The well is surrounded by residential land use to the north and commercial and industrial land use to the south. Well No. 7 was constructed in 2008 by Layne Chrisensen Company, obtains water from a sandstone formation, and has a total depth of 245 feet. A 16-inch diameter casing extends from the surface to a depth of 101 feet and is sealed in place with neat cement. A 15-inch diameter open borehole extends from 101 feet to a depth of 245 feet. Auxiliary power for the well is provided by a portable diesel-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 8 (WUWN AAT578) is located 7,450 feet east/southeast of Well No. 7 on the east side of Nine Mile Creek Road in the far east part of the City. The well is surrounded by agricultural land on all sides. Well No. 8 was constructed in 2023 by Traut Companies, obtains water from a sandstone formation, and has a total depth of 140 feet. A 16-inch diameter casing extends from the surface to a depth of 69 feet and is sealed in place with neat cement. A 15-inch diameter open borehole extends from 69 feet to a depth of 140 feet. Auxiliary power for the

well is provided by a stationary natural gas-fueled engine generator that can power the well pump and pumphouse at full capacity.

Well No. 9 (WUWN AAT579) is located 3,200 feet southeast of Well No. 7 on the southeast corner of the intersection of Baumbach Way and Kyler Street in the southeast part of the City. The well is surrounded on all sides by former agricultural land that has recently been developed into residential land use. Well No. 9 was constructed in 2023 by Traut Companies, obtains water from a sandstone formation, and has a total depth of 163 feet. A 16-inch diameter casing extends from the surface to a depth of 74 feet and is sealed in place with neat cement. A 15-inch diameter open borehole extends from 74 feet to a depth of 163 feet. Auxiliary power for the well is provided by a stationary natural gas-fueled engine generator that can power the well pump and pumphouse at full capacity.

Wellhead Protection Ordinance: The WHPP establishes a well head protection area (WHPA) which encompasses the recharge area equivalent to a 5-year time of travel for the wells. The WHPA extends to boundaries consisting of roadways, railways, and property lines. Portions of the WHPAs for Well Nos.8 and 9 extend beyond the corporate limits of the city of Altoona into the Town of Washington. The City intends to work with Eau Claire County and the Town of Washington to protect the portions of the wellhead protection area outside of the City. The draft WHPO provides zoning requirements that address maintaining separation distances between the wells and potential contamination sources. The WHPO should be formally adopted, and the adopted ordinance forwarded to the department within six months of the date of this letter.

Monitoring Waivers: In order to conduct an assessment to determine the well's vulnerability to potential contamination sources and evaluate the possibility of obtaining monitoring waivers, a Public Water System Monitoring Waiver Application must be submitted to the department. Monitoring waivers reduce the frequency of monitoring or eliminate certain monitoring requirements. Please contact **Dino Tisoris of the department's Madison office at (608) 264-6122**, constantine.tisoris@wisconsin.gov. The application should be completed and returned to the department prior to placing the well into service so any waiver will be in effect as soon as possible.

Approval conditions related to Chapters NR 810 and NR 811, Wis. Adm. Code:

1. A digital copy of the formally adopted wellhead protection ordinance shall be sent to the department within six months of the date of this letter. One copy shall be sent to: Sonny Zentner, sonny.zentner@wisconsin.gov and one copy shall be sent to Ken Scherer, kenneth.scherer@wisconsin.gov (s. NR 811.12(6)(i), Wis. Adm. Code)
2. Sonny Zentner shall be contacted to conduct a startup inspection of the completed water system improvements as he deems it necessary and to approve placing the wells in service. (s. NR 810.26(1), Wis. Adm. Code)

Approval constraints: The project was reviewed in accordance with ss. 281.34 and 281.41, Wis. Stats., for compliance with Chapters NR 108, NR 810, NR 811 and NR 820, Wis. Adm. Code and is hereby approved in accordance with ss. 281.34 and 281.41, Wis. Stats., subject to the conditions listed above.

This approval is based upon the representation that the plans submitted to the department are complete and accurately represent the project being approved. Any approval of plans that do not fairly represent the project because they are incomplete, inaccurate or of insufficient scope and detail is voidable at the option of the department.

Be advised that this project may require permits or approvals from other federal, state or local authorities. For example, a certificate of authority from the Public Service Commission of Wisconsin may be required per s. 196.49, Wis. Stats. and ch. PSC 184, Wis. Adm. Code.

Appeal rights: If you believe that you have a right to challenge this decision, you should know that the Wisconsin Statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. Requests for contested case hearings must be made in accordance with ch. NR 2, Wis. Adm. Code. Filing a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you must file your petition with the appropriate circuit court and serve the petition on the Department within 30 days after the decision is mailed. A petition for judicial review must name the Department of Natural Resources as the respondent.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

For the Secretary



Ken W. Scherer, P.E.
Public Water Engineering Section
Bureau of Drinking Water and Groundwater

- cc: Mike Golat – City of Altoona
Dave Walter – City of Altoona
Steve Durham – City of Altoona
Andrew Aslesen – Wisconsin Rural Water Association
Sonny Zentner – DNR, Eau Claire
Greg Moeller – DNR, Appleton
Dave Johnson – DNR, Madison
PSC – Madison

ORDINANCE 4A-24

An ordinance creating Chapter 19.45 of the Altoona Municipal Code “Wellhead Protection Area Overlay District” of the City of Altoona, Eau Claire County, Wisconsin, relating to the Protection of the Municipal Water Supply.

THE COMMON COUNCIL OF THE CITY OF ALTOONA DOES HEREBY ORDAIN AS FOLLOWS:

Section One:

That Title 19, Chapter 19.45 “Wellhead Protection Area Overlay District”, of the code of ordinances, City of Altoona, Wisconsin is hereby created.

Section Two:

A copy of Chapter 19.45 “Wellhead Protection Area overlay District” is permanently on file and open to public inspection in the office of the Altoona City Clerk, and is incorporated by reference herein.

Section Three:

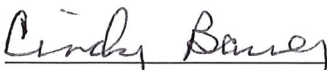
If any section, subsection, sentence, clause, paragraph or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, or other applicable administrative or governing body, such decision shall not affect the validity of any other section, subsection, sentence, clause, paragraph or phrase thereof irrespective of the fact that any one or more sections, subsections, sentences, clauses, paragraphs, or phrases may be declared invalid or unconstitutional.

Section Four: This Ordinance shall take effect and be in force from and after its passage and publication as provided by law.

Dated this 11th day of April, 2024.



Brendan Pratt, Mayor



Attest: Cindy Bauer, City Clerk

Approved: 4/11/2024
Published: 4/18/2024
Adopted: 4/11/2024

Title 19

ZONING

Chapters:

- 19.04 General Provisions
- 19.08 Definitions
- 19.12 Administration and Enforcement
- 19.15 Environmental and Natural Resources
- 19.16 Floodplain Overlay Zone - REPEALED
- 19.17 Shoreland-Wetland Overlay Zone - REPEALED
- 19.18 Adult Book Store, Adult Motion Picture Theater, or Nude Dancing
- 19.20 Bulkhead Lines
- 19.24 Districts—Generally
- 19.28 R-1 One-family Dwelling Districts
- 19.32 R-2 One-family and Two-family Dwelling Districts
- 19.36 R-3 Multiple Family Dwelling District
- 19.37 TH Twin Home District
- 19.38 Corner Lots, Side and Rear Yards and Setbacks - REPEALED
- 19.40 C Commercial District
- 19.41 C-1 Office Commercial District
- 19.42 BP Business Park District
- 19.44 Industrial District
- 19.45 Wellhead Protection Area Overlay District
- 19.46 River Prairie Mixed Use District
- 19.48 P Public and Conservancy District
- 19.50 LF Open Development-Former Landfill District
- 19.52 Parking and Loading Spaces
- 19.54 Site Plans
- 19.56 Yards, Lot Areas and Open Spaces
- 19.58 Signs
- 19.59 Conditional Uses
- 19.60 Nonconforming Uses
- 19.61 Accessory Buildings and Uses
- 19.64 PCD—Planned Community Developments
- 19.65 Apartment Ownership
- 19.68 Amendments

CHAPTER 19.45

WELLHEAD PROTECTION AREA OVERLAY DISTRICT

Sections:

19.45.010	Purpose
19.45.020	Authority.
19.45.030	Application.
19.45.040	Wellhead Protection Area Overlay District
19.45.050	Permitted Uses.
19.45.060	Conditional Uses.
19.45.070	Prohibited Uses.
19.45.080	Separation Districts.
19.45.090	Conditional Use Permits.
19.45.100	Existing Non-Conforming Uses.

19.45.010 Purpose.

The residents of the City of Altoona depend exclusively on groundwater for a safe drinking water supply. Certain land use practices and activities can seriously threaten or degrade groundwater quality. The purpose of this Ordinance is to establish a Wellhead Protection Area Overlay District to institute land use regulations and restrictions within a defined area which contributes water directly to the municipal water supply providing protection for the aquifer and municipal water supply of the City of Altoona and promoting the public health, safety and general welfare of City residents.

19.45.020 Authority.

Statutory authority of the City to enact these regulations was established by the Wisconsin Legislature in 1983, Wisconsin Act 410 (effective May 11, 1984), which specifically added groundwater protection, in §59.97(1) {which has since been renumbered as §59.69(1)} and §62.23(7)(c), Wis. Stats., to the statutory authorization for county and municipal planning and zoning to protect the public health, safety and welfare. In addition, under §61.35, Wis. Stats., the City has the authority to enact this ordinance, effective in the incorporated areas of the City, to encourage the protection of groundwater resources.

19.45.030 Application.

The regulations specified in this Wellhead Protection Ordinance shall apply within the area surrounding each municipal water supply well that has been designated as a “wellhead protection area” by the City in the most recent & up to date wellhead protection plan, and are in addition to the requirements in the underlying zoning district, if any. If there is a conflict between this chapter and the zoning ordinance, the more restrictive provision shall apply.

19.45.040 Wellhead Protection Area Overlay District.

The location and boundaries of the zoning districts established by this chapter are set forth in the City of Altoona’ most recent and up to date wellhead protection plan on the map titled “Wellhead Protection Area” [on file in the City of Altoona office] incorporated herein and hereby made a part of this ordinance. Said figures, together with everything shown thereon and all amendments thereto, shall be as much a part of this chapter as though fully set forth and described herein. This ordinance and thus promotes public health, safety, and welfare. The Wellhead Protection Area Overlay District is intended to protect the groundwater recharge area for the water supply from contamination.

Note: Wellhead protection areas are derived from hydrologic studies and are based on the area surrounding a well where groundwater takes 5-years or less to travel from the land surface to the pumping well.

19.45.050 Permitted Uses

The following uses are permitted in the Wellhead Protection Overlay District, subject to the separation distances in Section 19.45.080 of this chapter:

1. Parks, provided there is no on-site waste disposal or fuel storage tank facilities associated with this use.
2. Playgrounds.
3. Wildlife areas.
4. Non-motorized trails, such as bike, skiing, nature and fitness trails.
5. Residential, commercial and industrial establishments that are municipally sewered and whose use, *Aggregate of Hazardous Chemicals* in use, storage, handling and/or production may not exceed 20 gallons or 160 pounds at any time.
6. Routine tillage, planting, and field management operations in support of agricultural crop production, where nutrients from legume, manure, and commercial sources are accounted for and credited toward crop nutrient need. The combination of all nutrient sources applied or available on individual fields may not exceed University of Wisconsin soil test recommendations for that field.

19.45.060 Conditional Uses.

The following uses may be conditionally permitted in the Wellhead Protection Overlay District in accordance with § 19.59 and subject to the separation distances in Section 19.45.080.

1. Petroleum, hydrocarbon or hazardous chemical storage tanks. (Hazardous chemicals are identified by OSHA under 29 CFR 1910.1200(c) and by OSHA under 40 CFR Part 370.)
2. Motor vehicle services, including filling and service stations, repair, renovation, and body work.
3. All mining operations including sand and gravel pits.
4. Residential, commercial and industrial establishments that are municipally sewered and whose use, *Aggregate of Hazardous Chemicals* in use, storage, handling and/or production exceeds 20 gallons or 160 pounds at any time.

19.45.070 Prohibited Uses.

The following uses are prohibited in the Wellhead Protection Overlay District.

1. Cemeteries.
2. Chemical manufacturers (Standard Industrial Classification Major Group 28).
3. Coal storage.
4. Dry cleaners.
5. Industrial lagoons and pits.
6. Landfills and any other solid waste facility, except post-consumer recycling.
7. Manure and animal waste storage except those facilities regulated by the County.
8. Pesticide and fertilizer dealer, transfer or storage facilities.
9. Railroad yards and maintenance stations.
10. Rendering plants and slaughterhouses.
11. Bulk storage of Salt or deicing material.
12. Salvage or junk yards.
13. Septage or sludge spreading, storage or treatment.
14. Septage, wastewater, or sewage lagoons.
15. Private on-site wastewater treatment systems or holding tanks receiving 12,000 gallons per day or more.
16. Stockyards and feedlots.
17. Stormwater infiltration basins without pre-treatment, including vegetative filtration and/or temporary detention.

18. Wood preserving operations.
19. Any other use determined by the city council to be similar in nature to the above-listed uses.

19.45.080 Separation Distances.

The following separation distances as specified in s. NR 811.12(5), Wis. Adm. Code, shall be maintained within the Wellhead Protection Area Overlay District.

1. Ten feet between a well and an emergency or standby power system that is operated by the same facility which operates the well and that has a double wall above ground storage tank with continuous electronic interstitial leakage monitoring. These facilities shall meet the installation requirements of s. [ATCP 93.260](#) and receive written approval from the department of safety and professional services or its designated Local Program Operator under s. [ATCP 93.110](#).
2. Fifty feet between a well and a storm sewer main or a sanitary sewer main where the sanitary sewer main is constructed of water main class materials and joints. Gravity sanitary sewers shall be successfully air pressure tested in place. The air pressure test shall meet or exceed the requirements of the 4 psi low pressure air test for plastic gravity sewer lines found in the latest edition of Standard Specifications for Sewer & Water Construction in Wisconsin. Force mains shall be successfully pressure tested with water to meet the AWWA C600 pressure and leakage testing requirements for one hour at 125% of the pump shut-off head.
3. Two hundred feet between a well field and any sanitary sewer main not constructed of water main class materials, sanitary sewer manhole, lift station, one or two family residential heating fuel oil underground storage tank or above ground storage tank or private onsite wastewater treatment system (POWTS) treatment tank or holding tank component and associated piping.
4. Three hundred feet between a well field and any farm underground storage tank system or other underground storage tank system with double wall and with electronic interstitial monitoring for the system, which means the tank and any piping connected to it. These installations shall meet the most restrictive installation requirements of s. [ATCP 93.260](#) and receive written approval from the department of safety and professional services or its designated Local Program Operator under s. [ATCP 93.110](#), Wis. Admin. Code. These requirements apply to tanks containing gasoline, diesel, bio-diesel, ethanol, other alternative fuel, fuel oil, petroleum product, motor fuel, burner fuel, lubricant, waste oil, or hazardous substances.
5. Three hundred feet between a well field and any farm above ground storage tank with double wall, or single wall tank with other secondary containment and under a canopy; other above ground storage tank system with double wall, or single wall tank with secondary containment and under a canopy and with electronic interstitial monitoring for a double wall tank or electronic leakage monitoring for a single wall tank secondary containment structure. These installations shall meet the most restrictive installation requirements of s. [ATCP 93.260](#), Wis. Admin. Code, and receive written approval from the department of commerce or its designated Local Program Operator under s. [ATCP 93.110](#), Wis. Admin. Code. These requirements apply to tanks containing gasoline, diesel, bio-diesel, ethanol, other alternative fuel, fuel oil, petroleum product, motor fuel, burner fuel, lubricant, waste oil, or hazardous substances.
6. Four hundred feet between a well field and a POWTS dispersal component with a design capacity of less than 12,000 gallons per day, a cemetery or a storm water retention or detention pond.
7. Six hundred feet between a well field and any farm underground storage tank system or other underground storage tank system with double wall and with electronic interstitial monitoring for the system, which means the tank and any piping connected to it; any farm above ground storage tank with double wall, or single wall tank with other secondary containment and

under a canopy or other above ground storage tank system with double wall, or single wall tank with secondary containment and under a canopy; and with electronic interstitial monitoring for a double wall tank or electronic leakage monitoring for a single wall tank secondary containment structure. These installations shall meet the standard double wall tank or single wall tank secondary containment installation requirements of s. ATCP 93.260 and receive written approval from the department of safety and professional services or its designated Local Program Operator under s. ATCP 93.110. These requirements apply to tanks containing gasoline, diesel, bio-diesel, ethanol, other alternative fuel, fuel oil, petroleum product, motor fuel, burner fuel, lubricant, waste oil, or hazardous substances.

8. One thousand feet between a well field and land application of municipal, commercial, or industrial waste; the boundaries of a land spreading facility for spreading of petroleum-contaminated soil regulated under state administrative regulations while that facility is in operation; agricultural, industrial, commercial or municipal waste water treatment plant treatment units, lagoons, or storage structures; manure stacks or storage structures; or POWTS dispersal component with a design capacity of 12,000 gallons per day or more.
9. Twelve hundred feet between a well field and any solid waste storage, transportation, transfer, incineration, air curtain destructor, processing, wood burning, one time disposal or small demolition facility; sanitary landfill; any property with residual groundwater contamination that exceeds ch. [NR 140](#) enforcement standards; coal storage area; salt or deicing material storage area; any single wall farm underground storage tank or single wall farm above ground storage tank or other single wall underground storage tank or above ground storage tank that has or has not received written approval from the department of safety and professional services or its designated Local Program Operator under s. ATCP 93.110, Wis. Admin. Code, for a single wall tank installation. These requirements apply to tanks containing gasoline, diesel, bio-diesel, ethanol, other alternative fuel, fuel oil, petroleum product, motor fuel, burner fuel, lubricant, waste oil, or hazardous substances; and bulk pesticide or fertilizer handling or storage facilities.

19.45.090 Conditional Use Permits.

Individuals and/or facilities may request the City in writing, to permit additional land uses in the Groundwater Protection Overlay District under § 19.59 of this chapter.

A. STANDARDS FOR CONDITIONAL USE. The City Council shall apply the following factors:

1. The City's responsibility, as a public water supplier, to protect and preserve the health, safety and welfare of its citizens.
2. The degree to which the proposed land use practice, activity or facility may threaten or degrade groundwater quality in the City or the recharge area for the City municipal wells.
3. The economic hardship which may be faced by the landowner if the application is denied.
4. The availability of alternative options to the applicant, and the cost, effect and extent of availability of such alternative options.
5. The proximity of the applicant's property to other potential sources of contamination.
6. The then existing condition of the City's groundwater public water well(s) and well fields, and the vulnerability to further contamination.
7. The direction of flow of groundwater and other factors in the area of the applicant's property which may affect the speed of the groundwater flow, including topography, depth of soil, extent of aquifer, depth to water table and location of private wells.
8. Any other hydrogeological data or information which is available from any public or private agency or organization.
9. The potential benefit, both economic and social, from the approval of the applicant's request for a permit.

B. TYPES OF CONDITIONS WHICH THE CITY COUNCIL MAY REQUIRE. The City Council may stipulate conditions and restrictions including but not limited to the following:

1. A requirement for periodic environmental and safety sampling, testing, and reporting to establish the continued protection of the public water supply. The City may require an application to install one or more groundwater monitoring well(s), at the expense of the applicant.
2. The establishment of safety structures to prevent groundwater contamination.
3. The establishment of an operational safety plan to define processes and procedures for material containment, operations monitoring, best management practices, and stormwater runoff management to prevent groundwater contamination.
4. Written policies and procedures for reporting and cleaning up any spill of a hazardous material.
5. The provision of copies of all federal, state and local facility operation approval or certificates, and on-going environmental monitoring results to the City.
6. A written agreement pursuant to which the applicant agrees to be held financially responsible for all environmental cleanup costs in the event of groundwater contamination.
7. Bonds and/or securities satisfactory to the City for future monitoring and cleanup costs if groundwater contamination occurs in the future.
8. The foregoing conditions are listed for illustration purposes and are not exclusive.

19.45.100 Existing Non-Conforming Uses.

Non-Conforming Uses, the lawful nonconforming use of a structure or land existing at the time of the adoption or amendment of this Chapter may be continued although the use does not conform with the provisions of this Chapter. However, only that portion of the land in actual use may be so continued and the structure may not be extended, enlarged, reconstructed, substituted, moved, or structurally altered except when required to do so by law or order so as to comply with the provisions of this chapter.

Ord 4A-24, 2024.

Figure 1 – Altoona Municipal Well Locations

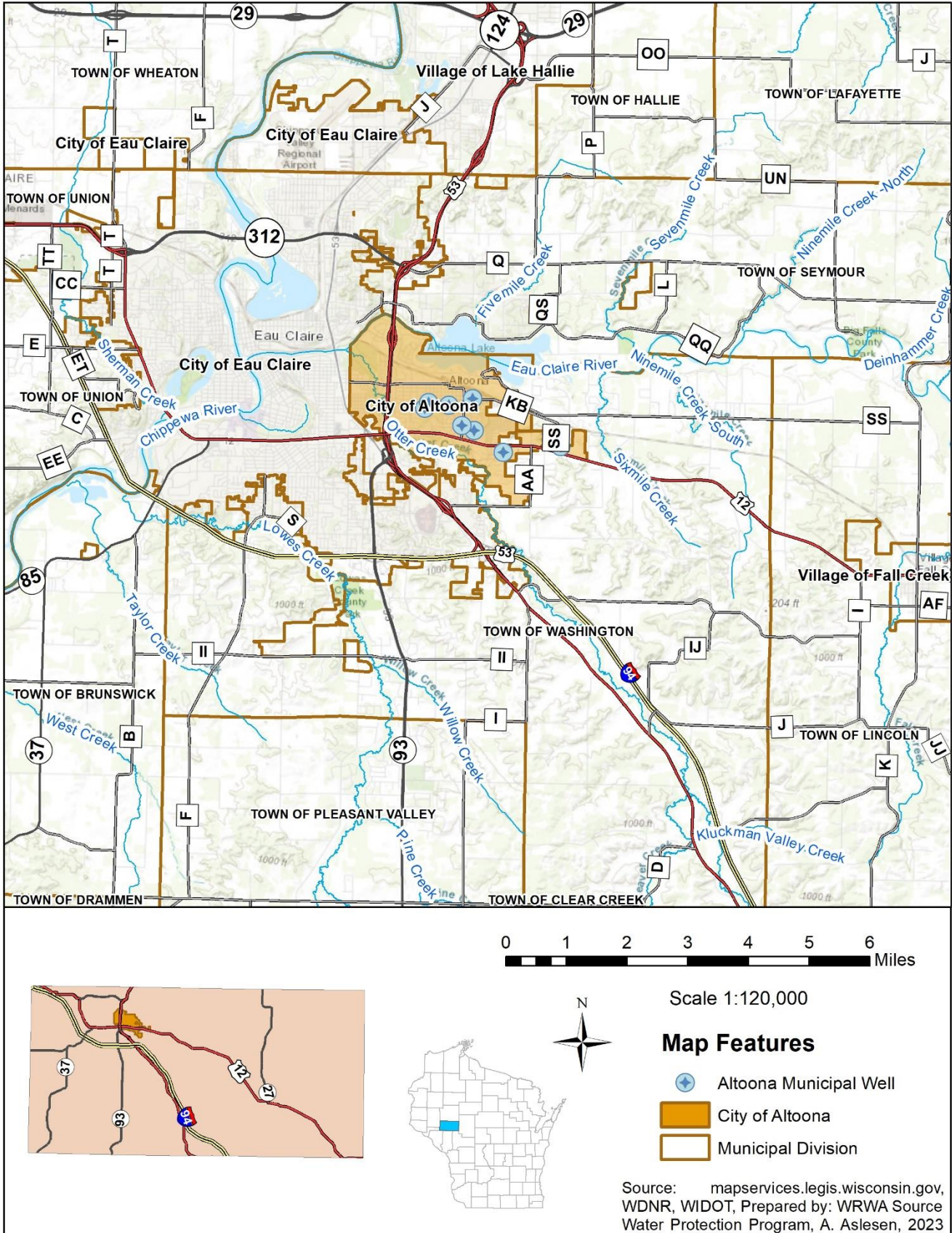


Figure 2 – Groundwater Flow

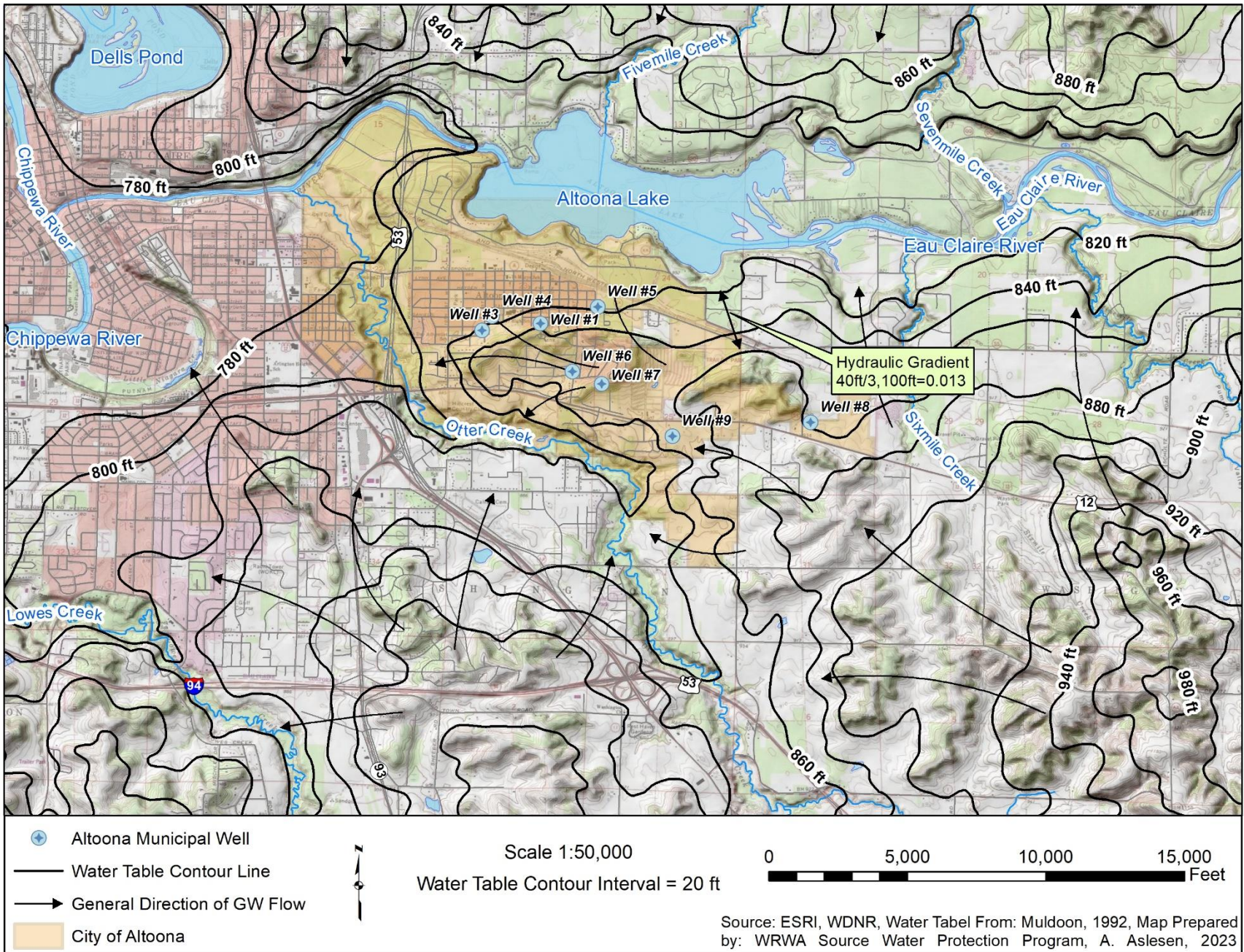


Figure 3 – Zones of Contribution (ZOCs)

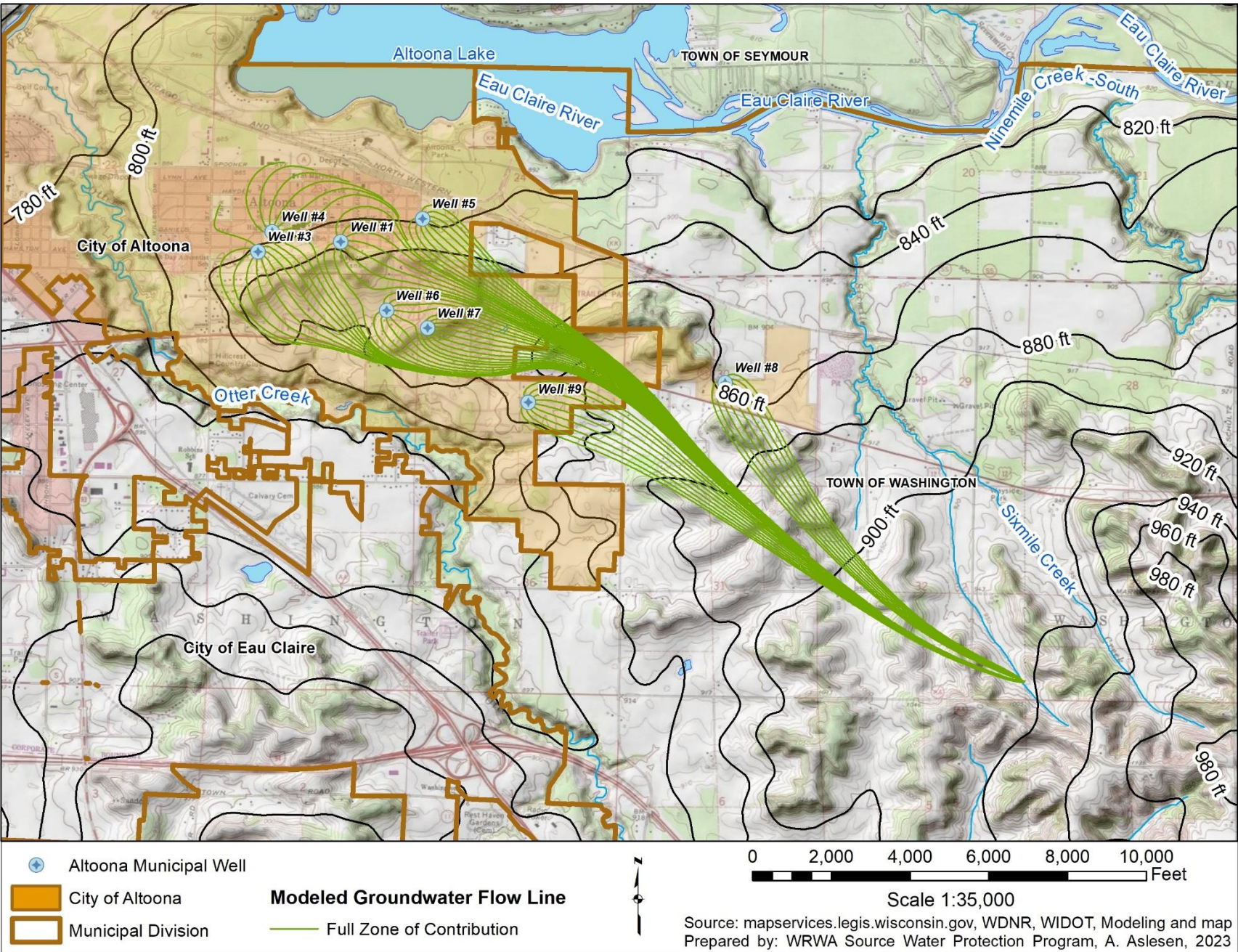


Figure 4 – 5-Year Time of Travel Capture Zones

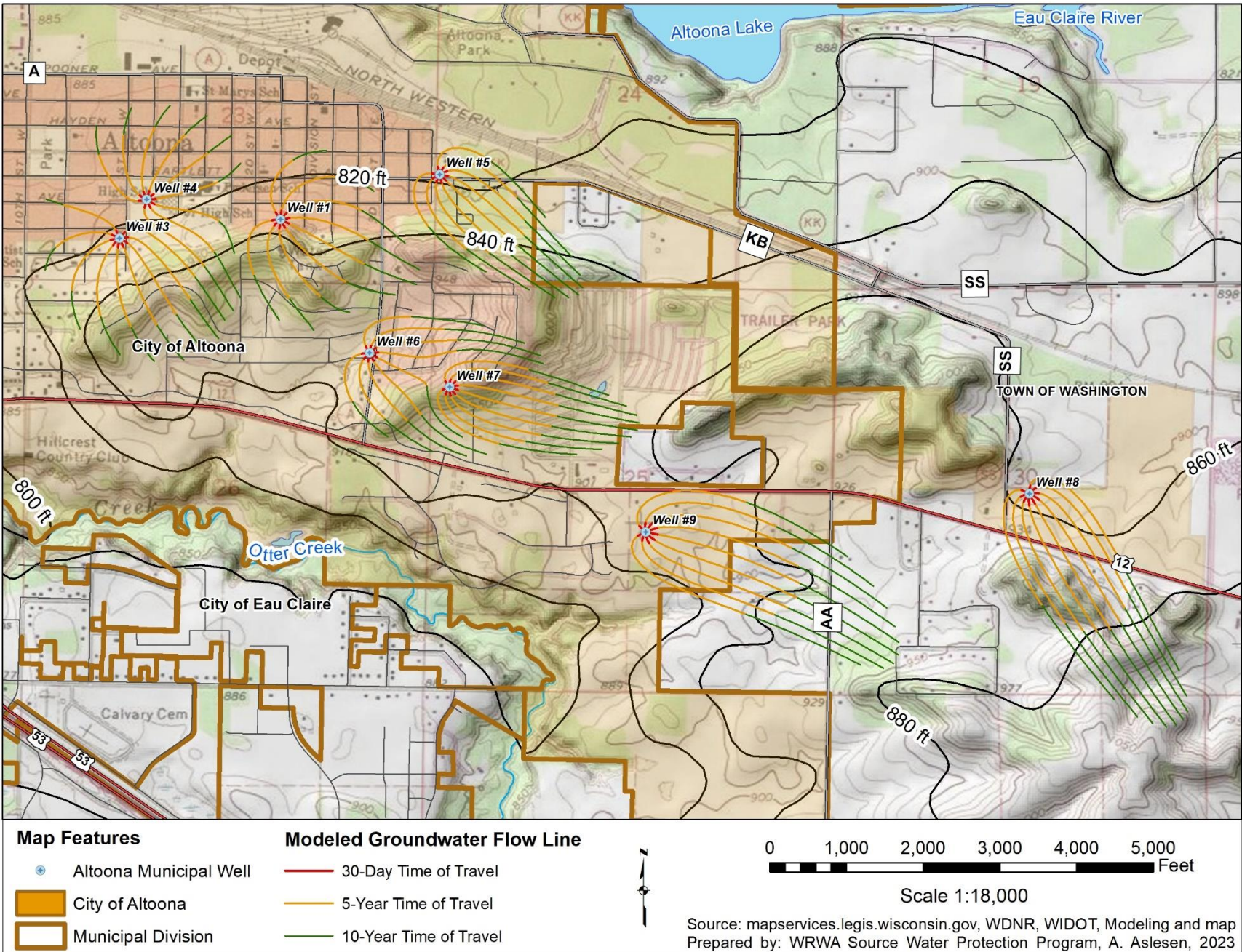


Figure 5 – Potential Contaminant Sources; Well #1



Figure 6 – Potential Contaminant Sources; Wells #3 & #4



Figure 7 – Potential Contaminant Sources; Well #5



Figure 8 – Potential Contaminant Sources: Well #6 & #7

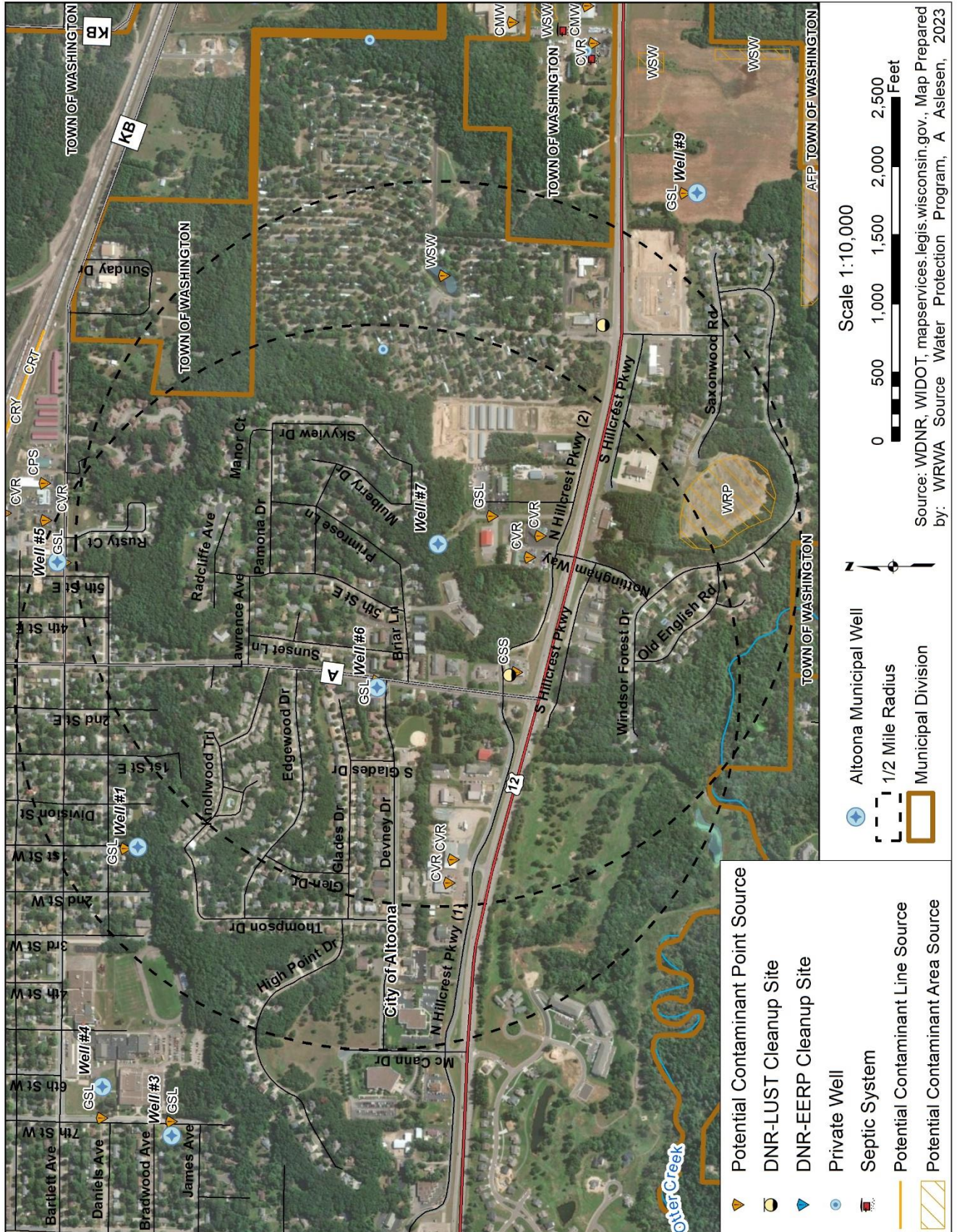


Figure 9 – Potential Contaminant Sources: Well #8

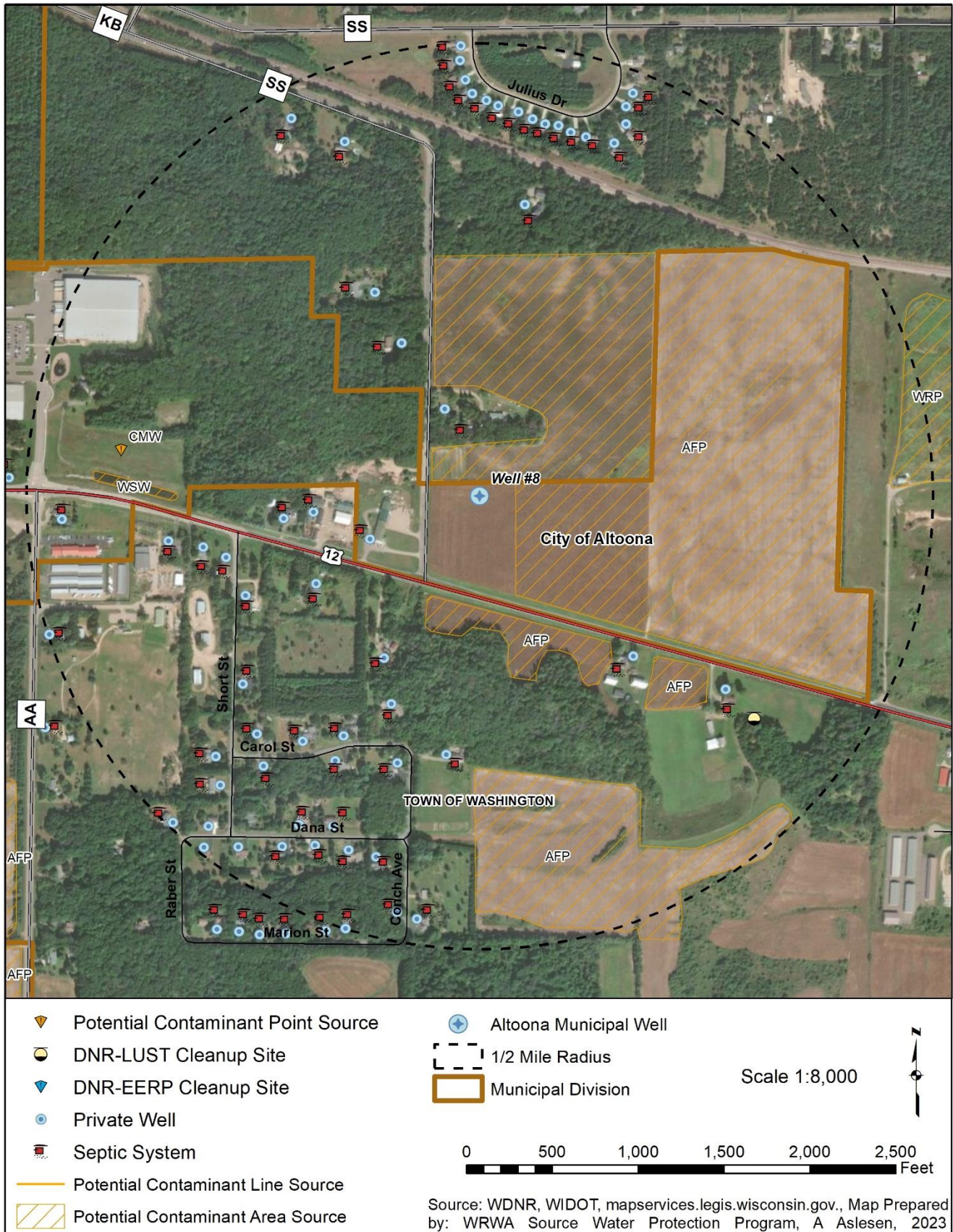


Figure 10 – Potential Contaminant Sources: Well #9

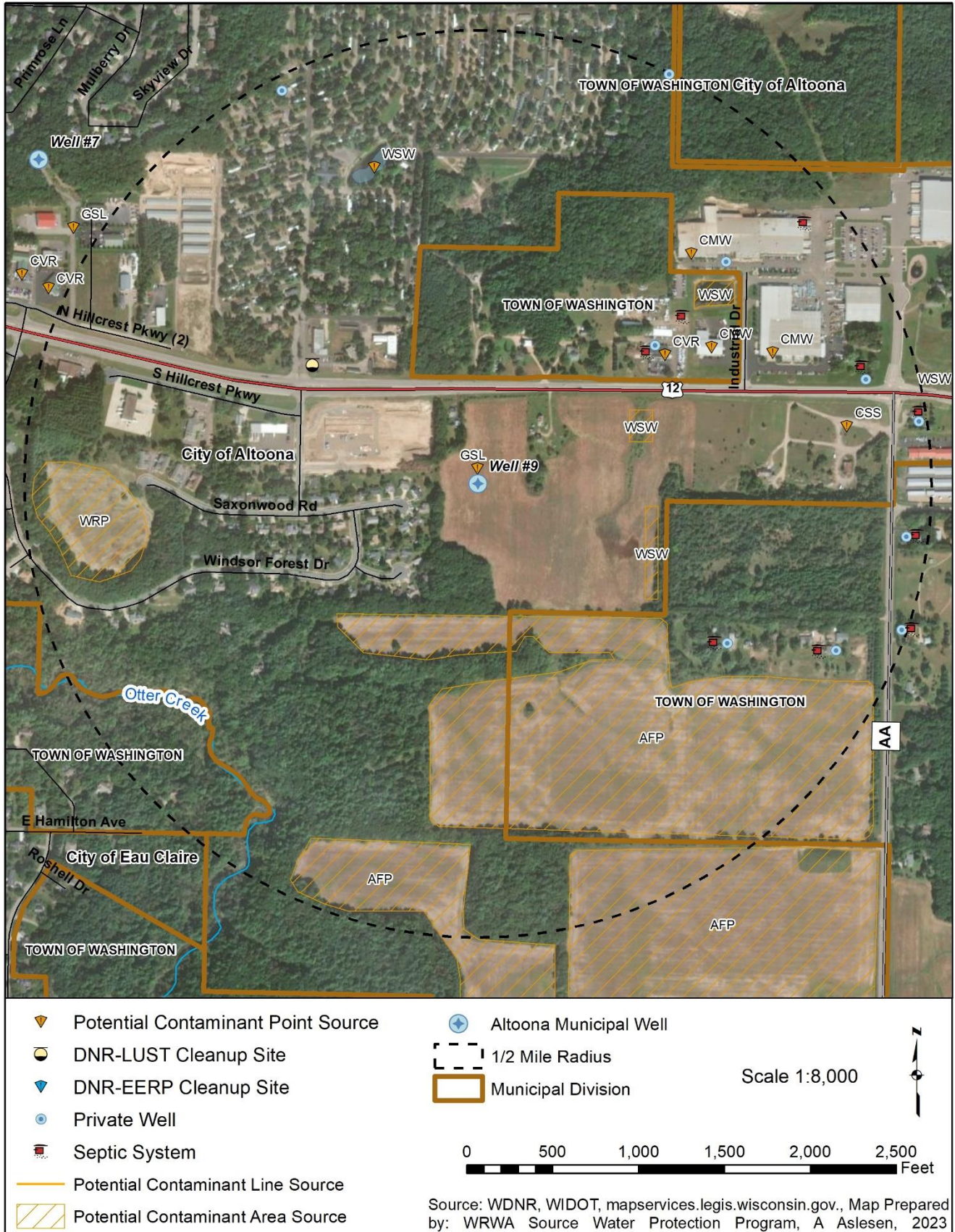


Figure 11 – Wellhead Protection Area: Wells #1, #3, #4, #5, #6 & #7

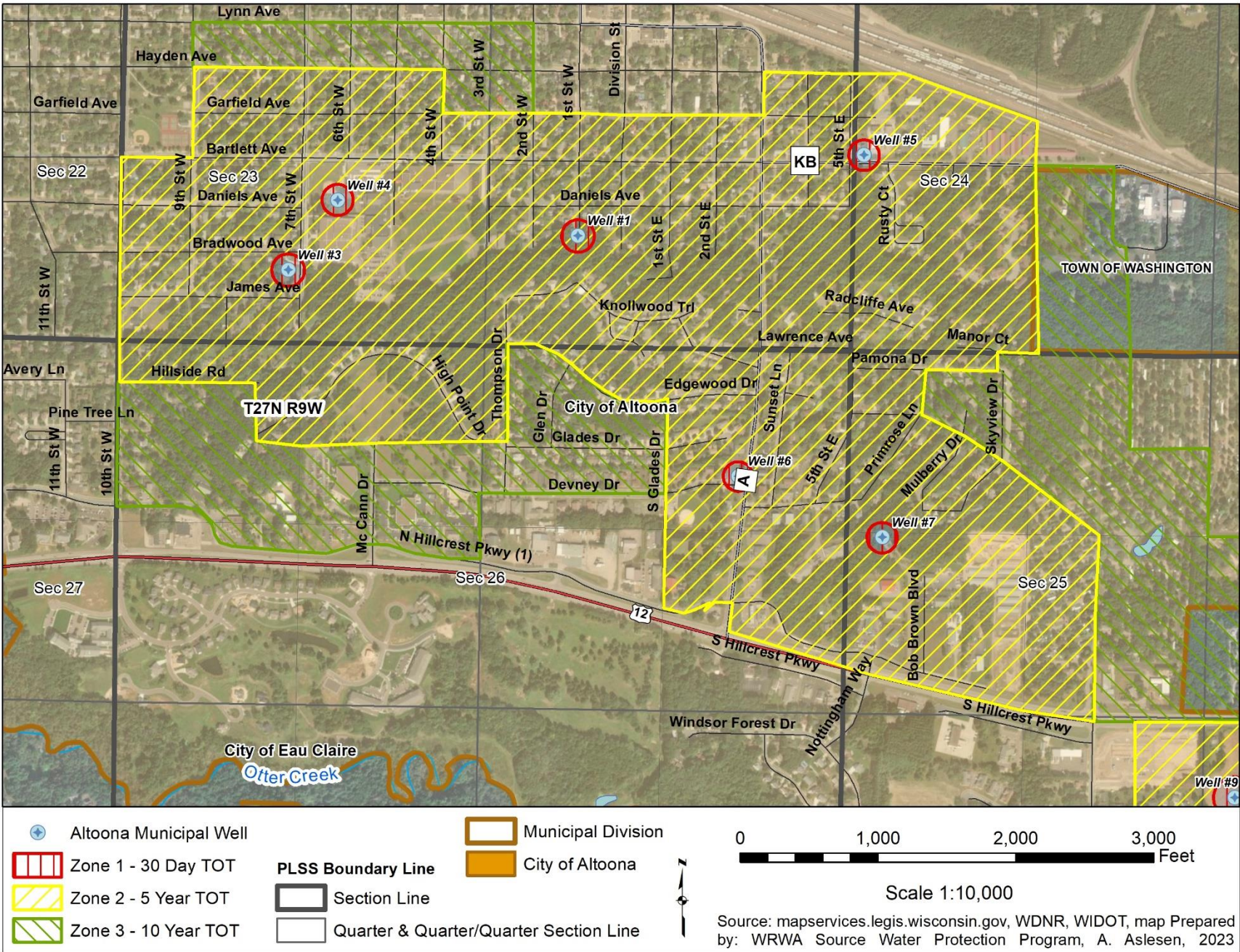


Figure 12 – Wellhead Protection Area: Wells #8 & #9

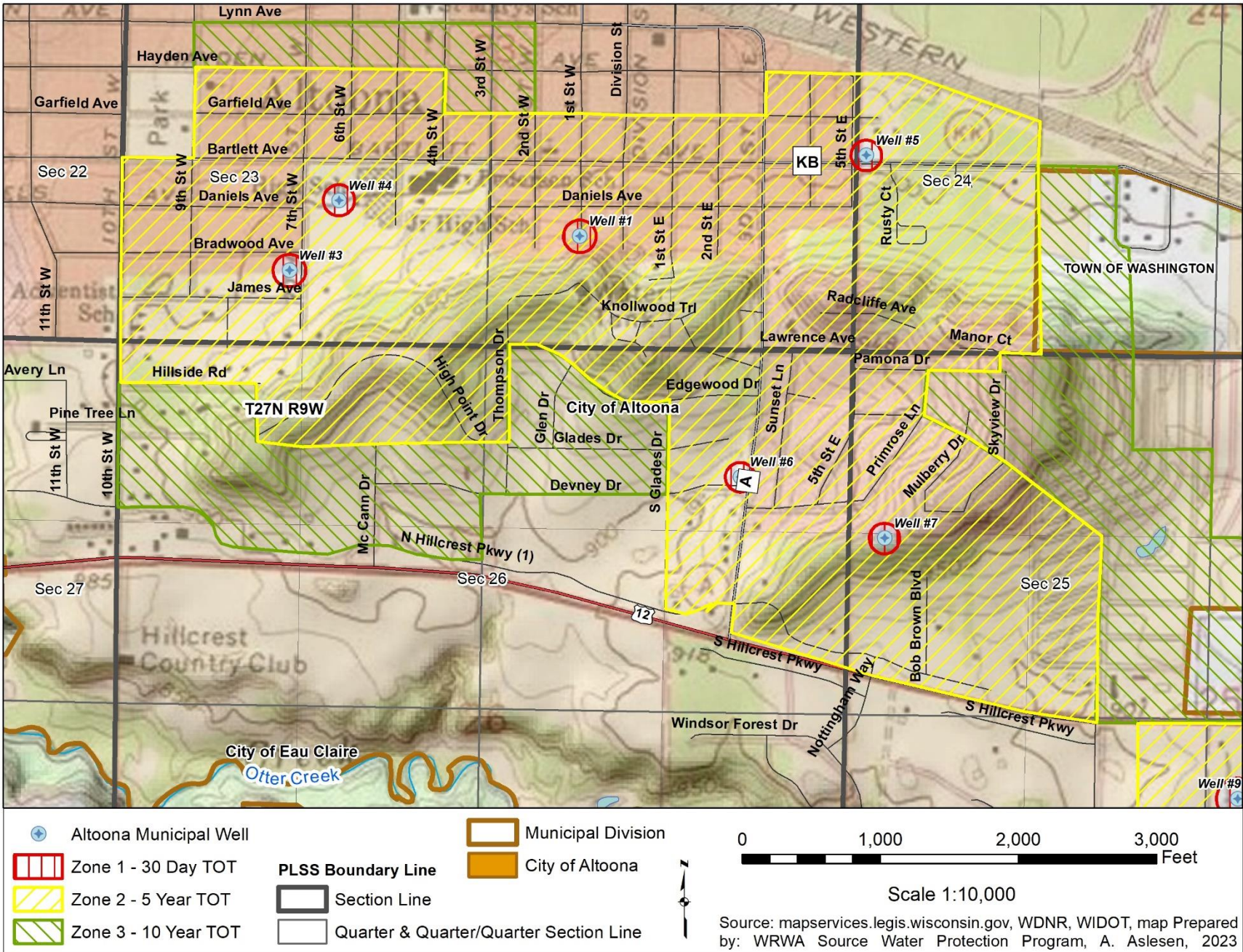


Figure 13 – Wellhead Protection Area: Wells #8 & #9

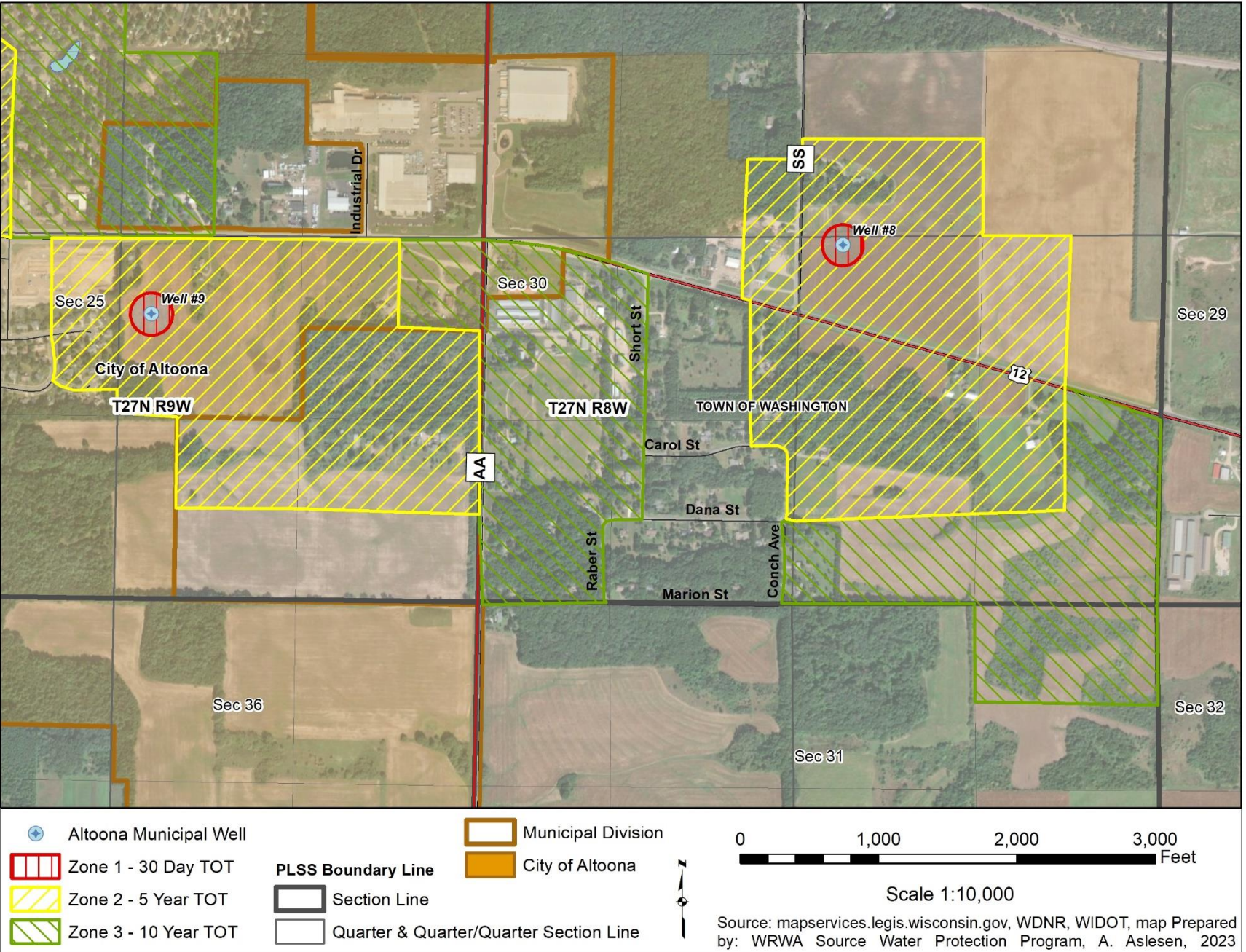
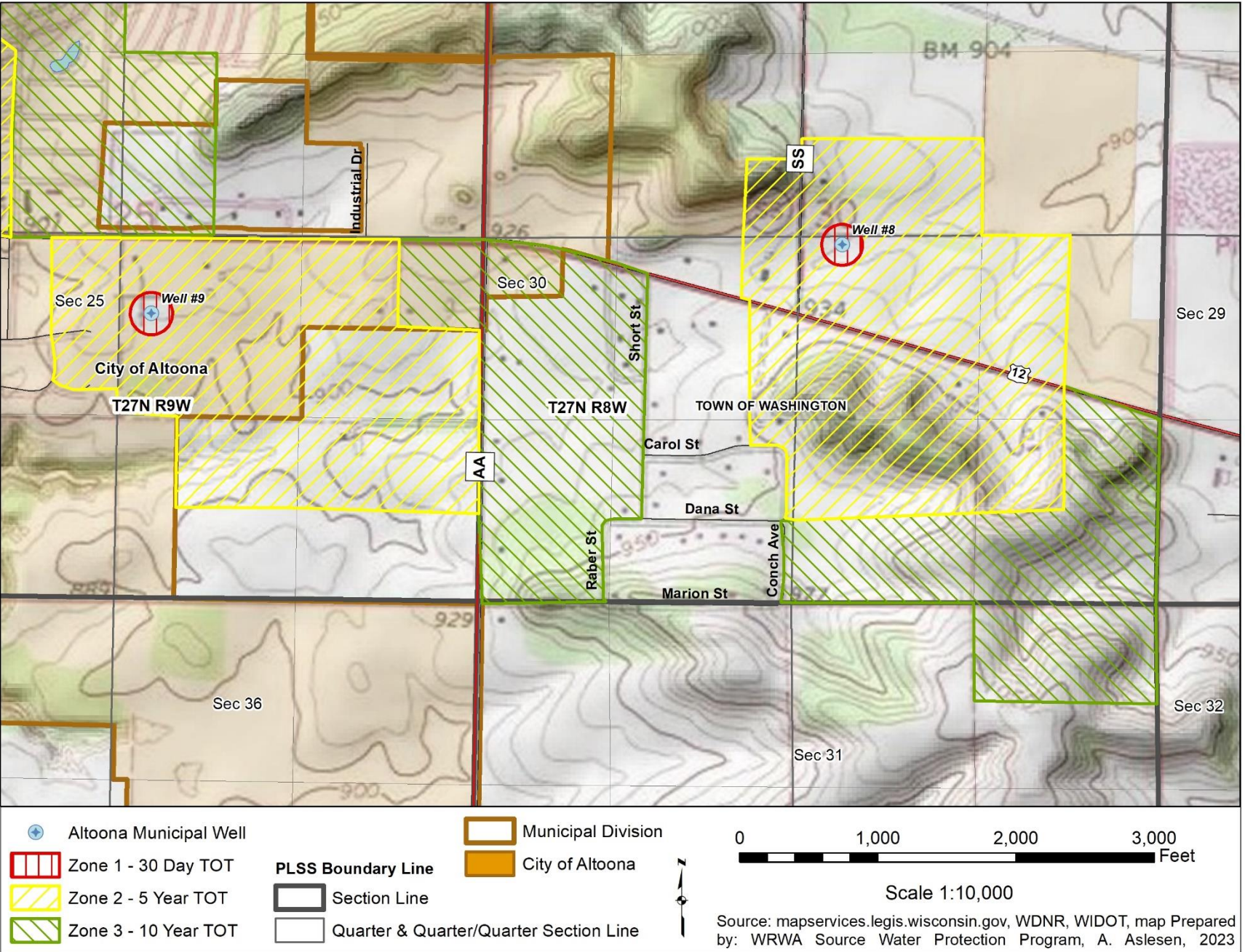


Figure 14 – Wellhead Protection Area: Wells #8 & #9



WORKING TOGETHER TO KEEP OUR WATER HEALTHY

What is a Sewer Service Area Plan (SSA Plan)?

The SSA Plan is a cooperative, areawide water quality management plan driven by Section 208 of the Clean Water Act and NR 110 & 121. The SSA Plan:

- » Anticipates a community's future needs for wastewater treatment.
- » Discourages the development of environmentally sensitive areas where development would adversely impact water quality.
- » Coordinates plans and consolidates water quality protection programs and policies within the plan area.
- » Is used by local, State, and Federal agencies when considering municipal wastewater facility plans, permitting for municipal sewer extensions (i.e., 208 reviews), and certain related grant applications.
- » Is not intended to restrict growth, obligate municipalities to provide sewer service, or affect community annexation policies.

WHY YOUR PARTICIPATION IS IMPORTANT

- ✓ Water quality is important to all of us and the factors that influence water quality cross governmental boundaries.
- ✓ This SSA update may influence your community's ability to grow through the next generation of residents.
- ✓ The SSA Plan can impact wastewater treatment facility plans, private mains, holding tanks, smaller shared systems, and land spreading.
- ✓ The SSA Plan is a regional plan with policies that apply to the entire SSA regardless of whether connected to municipal sewer or not.
- ✓ You can provide insight into your community's comprehensive plan, related policies, and any proposed development projects.
- ✓ Our area is required to have an SSA Plan, which should be regularly updated.
- ✓ Help strengthen consistency between the SSA Plan and your community's plans and policies.
- ✓ Municipal sanitary sewer in the area cannot be extended outside the SSA boundary.
- ✓ The SSA Plan defines the process for considering future SSA Plan decision-making and who is involved.
- ✓ The data and policies in the SSA Plan will influence other regional and local plans.



WHAT IS INCLUDED IN THE SSA PLAN UPDATE?

The SSA Plan content is largely identified in NR 121.05, though the plan may reference (and not duplicate) other plans and policies that address the required elements of an areawide water quality management plan. Major components of the SSA Plan update include:

- » A water quality assessment for the planning area, including consideration of climate trends and equity/environmental justice.
- » Analysis of wastewater treatment systems, capacities, and needs.
- » 20-year population and land use growth forecasts.
- » A review of environmentally sensitive areas (ESA) definitions and maps.
- » An updated sewer service area boundary where sanitary sewer may be provided in a cost-effective and environmentally sound manner over the next 20 years.
- » A review and update of goals, objectives, policies, and administrative procedures to guide sewered development and protect water quality within the SSA.

SSA Plan Update Process

The Plan update process began in May 2024 and is expected to require 9 to 15 months for the completion of a final draft plan for submittal to WDNR for approval. Major steps during this process includes:

- » 6 planned meeting with the water quality management technical advisory committee (WQM-TAC).
- » Review and consideration of related community plans and policies including comprehensive plans, wastewater facility plans, water quality-related regulations, and intergovernmental agreements.
- » An open house and public hearing on the updated draft plan.
- » An advisory action on the final draft plan by the Metropolitan Planning Organization (MPO) Policy Council.
- » WDNR review and approval.

Key SSA Plan Update Roles

Wisconsin DNR Under NR 121, WDNR has authority over the preparation and administration of the urban area's SSA Plan.

WCWRPC WDNR has designated WCWRPC as the local planning agency to facilitate the SSA Plan's update. WCWRPC has also been serving as the local administrator of the SSA Plan, including reviewing proposed sanitary sewer extensions for consistency with the Plan.

MPO Policy Council The MPO Policy Council has agreed to serve as a water quality management policy council to assist WDNR to act in an advisory role on SSA Plan matters. This includes advising WDNR on the adoption of the final draft plan.

Technical Committee Urban area communities were requested to designate a representative to a water quality management technical advisory committee (WQM-TAC) to provide guidance to WCWRPC and the Policy Council during the plan update process.

Questions or Comments?

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