



Credit: Washington County

9.1 INTRODUCTION

The Utilities and Community Facilities Element is one of the nine elements of a comprehensive plan required by Section 66.1001 of the *Wisconsin Statutes*. Section 66.1001 (2) (d) of the *Statutes* requires this element to provide an inventory of existing utilities and community facilities in the County. This chapter inventories sanitary sewer and water supply services, stormwater management facilities, private utilities, solid waste management facilities, healthcare facilities, government and public institutional centers, police service, fire protection and emergency rescue services, public and private schools, cemeteries, childcare, and assisted-living facilities.

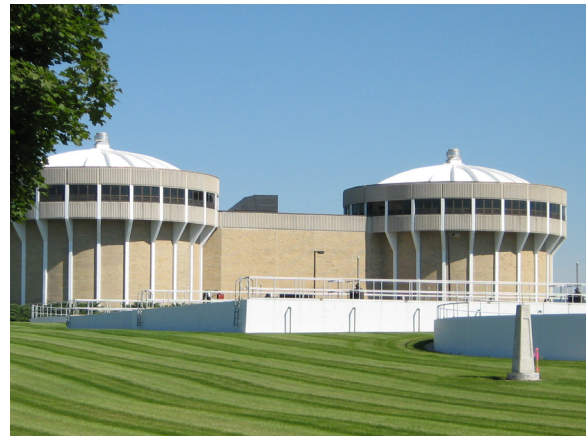
The *Statutes* also require this element to provide a projection of the demand for future utilities and community facilities in the County and an approximate timetable for expanding, rehabilitating, and replacing existing facilities and constructing new facilities to meet the projected demand. The projected demand and approximate timeline for various utilities and community facilities in the County are based on recommendations set forth by regional plans and the anticipated land use development pattern set forth in the Land Use Element (Chapter 6) of this report and the regional land use plan (VISION 2050). Many of the utilities and community facilities referenced by the *Statutes* are not provided by Washington County, additional detail can be obtained through local governments and other service providers, including the private sector. Utility and community facility goals, objectives, policies, and programs are presented in Chapter 12 of this report.

9.2 UTILITIES

Sanitary Sewer Services

SEWRPC is the State-designated water quality management agency for the Southeastern Wisconsin Region. An area-wide water quality management plan for the Region was adopted in 1979, aimed at achieving clean surface waters in the seven county Region. The plan has five basic elements. One element is a point source pollution abatement element with recommendations concerning the location and extent of sanitary sewer service areas; the location, type, capacity of, and level of treatment to be provided at, sewage treatment facilities; the location and configuration of intercommunity trunk sewers; and the abatement of pollution from sewer system overflows and from industrial wastewater discharges.

The plan was formally endorsed by the Wisconsin Natural Resources Board on July 25, 1979. Such endorsement is particularly important because under State law and administrative rules, certain actions by the Wisconsin Department of Natural Resources (WDNR) must be in accordance with the adopted plan. These actions include approval of waste discharge permits, approval of State and Federal funds for the construction of wastewater treatment and conveyance facilities, and approval of locally proposed sanitary sewer extensions.



The regional water quality management plan contains recommendations regarding sanitary sewer service and sewage treatment facilities.

Virtually all of the 85 generalized sewer service areas identified in the 1979 regional water quality management plan (RWQMP) have been refined and detailed through a sewer service area plan prepared by SEWRPC for each sewage treatment plant recommended in the RWQMP. Table 2.3 in Chapter 2 lists the adopted sewer service area plans in the County. About 49,784 acres, or 18 percent of the County, were within existing planned sanitary sewer service areas in 2015. Map 9.1 shows sewer service areas within the County, which include the Cities of Hartford and West Bend and surrounding areas; the Villages of Jackson, Kewaskum, Newburg, and Slinger and surrounding areas; portions of the Village of Germantown; and the unincorporated hamlet of Allenton in the Town of Addison. Wastewater from the Village of Germantown is treated by the Milwaukee Metropolitan Sewerage District (MMSD) in Milwaukee County. Each of the other cities and villages operates its own sewage treatment plant. The Allenton Sanitary District operates the sewage treatment plant that serves the Allenton area.

Table 9.1 summarizes existing and projected conditions and design capacities of public sewage treatment plants in the County. Lands in each sanitary sewer service area served with sanitary sewers in 2010 are also shown on Map 9.1. These areas were identified as part of the regional land use plan update. About 18,594 acres, or about 7 percent of the County, were served by public sanitary sewers in 2010. An estimated 84,500 residents, or about 64 percent of Washington County residents, were served.

The RWQMP recommends that planning for expansion or improvements to wastewater treatment plants should be considered when the average daily flow to an existing plant reaches 80 percent of its design capacity. It is estimated that by the year 2035, assuming existing wastewater treatment plant design capacities, sewage flows to the Village of Jackson plant may have exceeded the 80 percent threshold and may be approaching the plant design capacity, and sewage flows to the Village of Newburg plant may have exceeded design capacity (see Table 9.1).

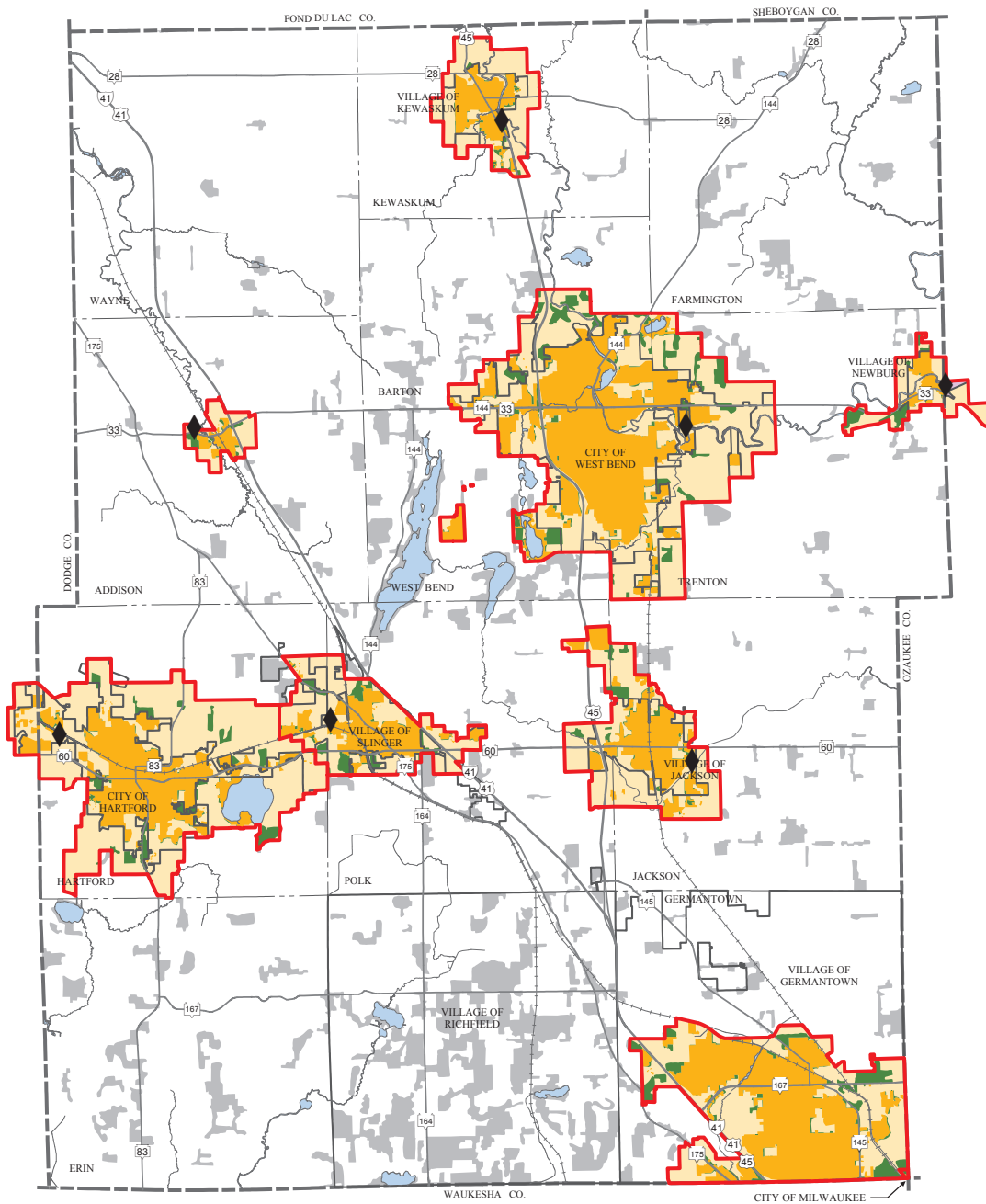
Expansion of the Village of Jackson treatment plant is expected to nearly double the design daily flow from approximately 1.25 mgd in 2007 to about 2.0 to 2.5 mgd in 2027. The treatment plant will be expanded in phases so that the capacity is increased incrementally as needed. The design daily flow was approximately 1.69 mgd in 2010. The upgrades are needed to accommodate anticipated growth, modernize outdated equipment, and ensure that the treatment plant continues to meet requirements for discharge into Cedar Creek.



The municipal sewage treatment plant in the Village of Jackson.

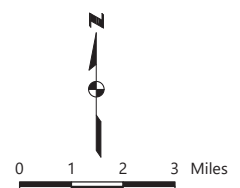
The Village of Newburg is projected to exceed the design capacity sometime between now and 2035. It is therefore recommended that the Village monitor development and population levels in its sewer service area and prepare a facility plan prior to 2035, if necessary, in order to provide adequate treatment capacity to meet future needs.

Map 9.1 Planned Sanitary Sewer Service Areas and Areas Served by Sewer in Washington County



- AREA SERVED BY SANITARY SEWER (2010)
 - PLANNED SANITARY SEWER SERVICE AREAS (JUNE 2015)
 - PLANNED SANITARY SEWER SERVICE AREA BOUNDARIES (JUNE 2015)
 - EXTENT OF URBAN DEVELOPMENT WITHIN PLANNED SANITARY SEWER SERVICE AREAS NOT CURRENTLY SERVED BY PUBLIC SEWERAGE SYSTEMS
 - EXTENT OF OTHER URBAN DEVELOPMENT NOT SERVED BY PUBLIC SEWERAGE SYSTEMS
 - SEWAGE TREATMENT PLANT
 - SURFACE WATER
- Note: The Village of Germantown Sewer Service Area is part of the Milwaukee Metropolitan Sewerage District.

Source: SEWRPC



**Table 9.1
Characteristics of Public Wastewater Treatment Plants in Washington County: 2010 and 2035**

Public Wastewater Treatment Plant	2010 Estimated Area Served (square miles)	2010 Estimated Population Served	2010 Unsewered Population ^a	2035 Projected Population Served ^b	Date of Last Major Modification	Receiving Water	Design Average Hydraulic Loading (mgd)	2010 Average Annual Hydraulic Loading (mgd)	2035 Estimated Average Annual Hydraulic Loading (mgd)	Ratio of Estimated 2035 Average Annual Hydraulic Loading to Design Loading
Allenton	0.3	744	125	1,480	2002	Rock River – East Branch	0.35	0.10	0.20	0.56
Hartford	5.0	15,190	828	18,110	1999	Rubicon River	3.60	2.36	2.73	0.76
Jackson	2.7	7,352	426	9,890	2011	Cedar Creek	1.69	1.25	1.57	0.93
Kewaskum	1.3	4,033	102	5,440	2007	Milwaukee River	1.20	0.53	0.71	0.59
Newburg ^c	0.5	1,286	516	1,900	1997	Milwaukee River	0.18	0.13	0.20	1.12
Slinger	2.1	5,530	459	8,040	2007	Rubicon River	1.30	0.59	0.90	0.69
West Bend	10.2	33,632	1,568	44,590	2010	Milwaukee River	9.00	3.71	5.08	0.56

Note: The Village of Germantown is located within the Milwaukee Metropolitan Sewerage District (MMSD) and wastewater is treated at MMSD sewage treatment plants in Milwaukee County.

^a Year 2010 unsewered population within sewer service areas that is proposed to be sewer under the regional land use plan (VISION 2050). This column includes residents within a planned sewer service area, but not currently served by a sewer system. Typically, the unsewered population resides in a town adjacent to the city or village operating the sewer system and treatment plant.

^b Based on the 2035 recommended plan level as set forth by the regional water quality management plan.

^c The Village of Newburg also provides wastewater treatment service to Village residents located in Ozaukee County.

Source: SEWRPC

Sewered communities should continue to work with SEWRPC to update their adopted sewer service area plans to accommodate new residential, commercial, and industrial growth, in part based on the land use development pattern anticipated in the local comprehensive plan, through its plan design year.

Sanitary and Utility Districts

Sanitary and utility districts are shown on Map 9.2. The purpose of a sanitary district is to allow landowners in unincorporated areas an opportunity to form a special-purpose unit of government to provide certain urban services. A town sanitary district has authority to plan, construct, and maintain systems for garbage removal, water supply, sewage disposal, and stormwater management.⁷⁷ Sanitary districts may be formed by a town board, upon a request from affected landowners, under Section 60.71 of the *Wisconsin Statutes*. Each district is governed by a commission. At the time a district is established, the town board determines whether commissioners will be appointed by the town board or elected. The town board may choose to appoint itself as the commission. A town board may also establish utility districts under Sections 60.23 and 66.0827 of the *Statutes* to provide public services within the district. The town board governs utility districts.

Sanitary districts in Washington County include the Allenton Sanitary District in the Town of Addison, the Bark Lake Utility District in the Village of Richfield, the Hilldale Sanitary District in the Town of Hartford, the Sand Drive Sanitary District and the Scenic Drive Sanitary District in the Town of Trenton, the Silver Lake Sanitary District in the Town of West Bend, and the Wallace Lake Sanitary District in the Towns of Barton and Trenton. The Bark Lake Utility District and Sand Drive Sanitary District did not provide sewage treatment or other services at the time this plan update was prepared and were apparently inactive.

Sanitary sewage collection and treatment services are provided by the Allenton Sanitary District, which operates its own sewage treatment plant; the Hilldale Sanitary District, which conveys wastewater to the Village of Slinger sewage treatment plant; and the Scenic Drive, Silver Lake, and Wallace Lake Sanitary Districts, which convey wastewater to the City of West Bend sewage treatment plant. The Rubicon Sanitary District No. 1 in Dodge County conveys its wastewater to the City of Hartford sewage treatment plant. The Silver Lake Sanitary District provides trash collection services in addition to sewage treatment services. The Allenton, Scenic Drive, and Wallace Lake Sanitary Districts also provide water service.

The Pike Lake Utility District provides sanitary sewer services in the Town of Hartford. The District includes portions of the area within the boundaries of the Pike Lake Protection and Rehabilitation District, but extends outside the Lake District boundaries. Sanitary sewage collected by the Pike Lake Utility District is discharged to the City of Hartford sewage treatment plant.

The Big Cedar Lake Protection and Rehabilitation District and the Little Cedar Lake Protection and Rehabilitation District, both located partially in the Town of West Bend and partially in the Town of Polk, have adopted sanitary district powers in addition to their lake district powers, but neither district provides sanitary sewerage services. The Big Cedar Lake District provides trash collection services for properties in the District.

Private On-Site Wastewater Treatment

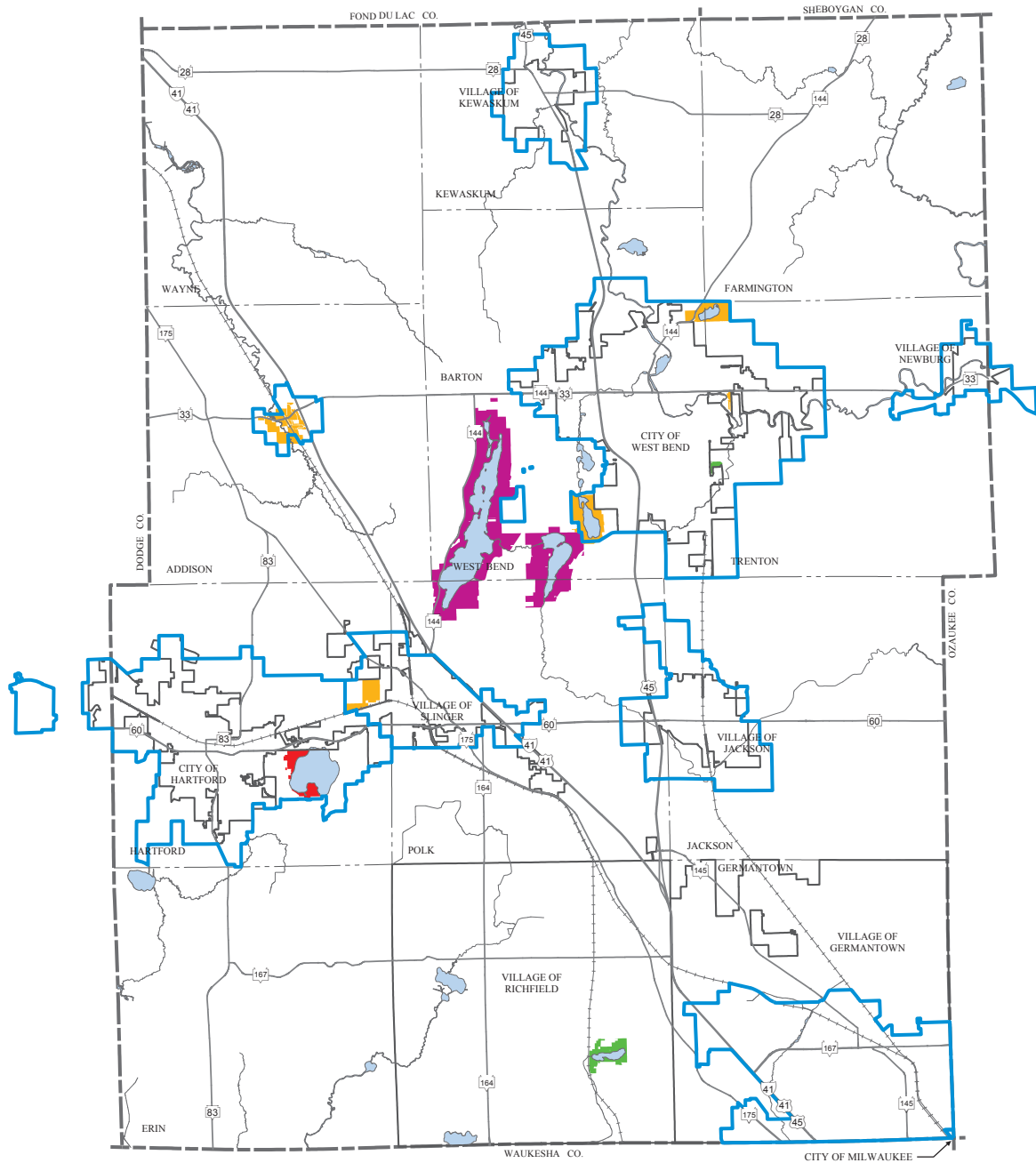
Washington County regulates private onsite wastewater treatment systems (POWTS) for any development in the County that is not served by sanitary sewer. Development in this case applies to residential, commercial, and industrial uses. The authority to regulate POWTS comes from the *Wisconsin Administrative Code*, Chapter SPS 383, with related information in Chapters SPS 84 through 87, SPS 91, SPS 305, SPS 316, and SPS 382. Chapter 25 (the Sanitary Code) of the *Washington County Code of Ordinances* sets forth the regulations for POWTS in both incorporated (city and village) and



Washington County regulates POWTS for any development in the County that is not served by a public sanitary sewer system.

⁷⁷ A number of town utility districts have been created to provide street lights to portions of towns. Street lights are generally provided in hamlets through town utility districts.

Map 9.2
Sanitary and Utility Districts in Washington County: 2017



- SANITARY DISTRICTS THAT PROVIDE SEWERAGE SERVICES
- UTILITY DISTRICTS THAT PROVIDE SEWERAGE SERVICES
- UTILITY AND SANITARY DISTRICTS THAT DO NOT PROVIDE SEWERAGE SERVICES
- LAKE PROTECTION AND REHABILITATION DISTRICTS WITH SANITARY DISTRICT AUTHORITY (NO SEWERAGE SERVICES PROVIDED)
- SURFACE WATER

PLANNED SANITARY SEWER SERVICE AREA BOUNDARY (JUNE 2015)



0 1 2 3 Miles

Source: Washington County and SEWRPC

unincorporated (town) areas of the County. Chapter 25 of the *County Ordinance* should be updated periodically to allow for advancements in POWTS technology over the comprehensive plan design period in accordance with changes to the *Wisconsin Administrative Code*.

There are several different types of POWTS including at-grade, conventional, constructed-wetland, dripline, in-ground pressure, mound, and holding tank systems. All wastewater must discharge into a public sewerage system or a POWTS. The ability of soil to accept wastewater from a development differs depending on the type of soil. For this reason, all development proposed to be served by a POWTS requires a soil test to determine if the soils present in a specific location are suitable for the proposed development and what method of on-site wastewater treatment is most suitable. Permits were issued for 13,293 POWTS in Washington County between 1980 and 2017. The number and type of POWTS in each local government are set forth in Table 9.2.



There are several different types of POWTS including at-grade, conventional systems, constructed-wetland, dripline, in-ground pressure, mound systems, and holding tank systems. A mound system is pictured here.

Water Supply

In 2010, the total estimated use of water in Washington County was 12.86 million gallons per day (mgd). This figure includes water supplied by public utilities and water obtained from private wells. The largest portion of that use was by residential land uses, which consumed 5.87 mgd. Other water uses included 1.35 mgd by industrial uses, 1.49 mgd by commercial uses, 0.74 mgd by agricultural uses, 0.77 mgd for irrigation, and 2.64 mgd by governmental or institutional land uses and water lost to the system.

Municipal Water Supply Systems

Map 9.3 shows portions of the County served by public water utilities and private water supply systems, and those areas where development depends on the use of private wells. Portions of Washington County served by public water utilities encompassed about 17,300 acres, or about 6 percent of the County, in 2010. An estimated 80,100 County residents, or about 61 percent of the County population, were served by public water utilities in 2010. There are seven public water utilities in the County serving the Allenton Sanitary District; the Cities of Hartford and West Bend; and the Villages of Germantown, Jackson, Kewaskum, and Slinger. Table 9.3 sets forth the total acres served in 2010, the amount of water pumped in 2010, and gallons per person per day used in 2010 by each public water utility.



There are seven public water utilities in the County serving 17,300 acres and 80,100 County residents in 2010. In 2010, approximately 6.2 mgd of water was pumped for use in these seven systems.

Based on Wisconsin Public Service Commission annual reports for the year 2010, approximately 6.2 mgd of water were pumped for use in the seven municipal systems concerned (see Table 9.4). Based on the population served and reported water use, residential water consumption within the seven water supply systems was approximately 58 gallons per person per day in 2010. When accounting for all municipal water uses, the average water consumption was about 78 gallons per person per day. The amount of water that was unaccounted for averaged 14 percent of the water pumped. This unaccounted for water was not included in the computed per capita consumption rates set forth in Table 9.4, but is included in the rates in Table 9.3. Residential water use reported by the water utilities excludes water used by most multifamily residential buildings with a single meter, which are included with commercial water uses. Thus, the calculation of the water uses on a per capita and per acre basis for the residential and commercial categories were made by adjusting the population and acreage considered under these categories to reflect this reporting convention.

Table 9.2
Permits Issued for Private On-Site Wastewater Treatment Systems
in Washington County Communities: 1980-2017

Local Government	At-Grade	Conventional	Constructed Wetland	Dripline	In-Ground Pressure	Mound	Holding Tank	Total
Cities								
Hartford	--	4	--	--	--	2	6	12
West Bend	--	3	--	--	--	--	5	8
Villages								
Germantown	25	77	--	--	6	502	146	756
Jackson	--	--	--	--	--	--	3	3
Richfield	136	1,624	--	1	37	961	277	3,036
Slinger	27	169	--	--	8	44	1	249
Towns								
Addison	58	329	--	--	9	219	18	633
Barton	19	397	--	1	18	169	26	630
Erin	35	698	1	--	10	323	57	1,124
Farmington	45	699	--	--	24	215	66	1,049
Germantown	--	6	--	--	--	40	5	51
Hartford	38	298	--	--	10	201	15	562
Jackson	47	140	2	--	14	615	57	875
Kewaskum	10	168	--	--	11	68	13	270
Polk	35	613	--	--	32	278	82	1,040
Trenton	66	680	1	--	20	351	23	1,141
Wayne	61	211	--	--	15	284	24	595
West Bend	67	721	1	1	55	180	234	1,259
Washington County	669	6,837	5	3	269	4,452	1,058	13,293

Source: Washington County and SEWRPC

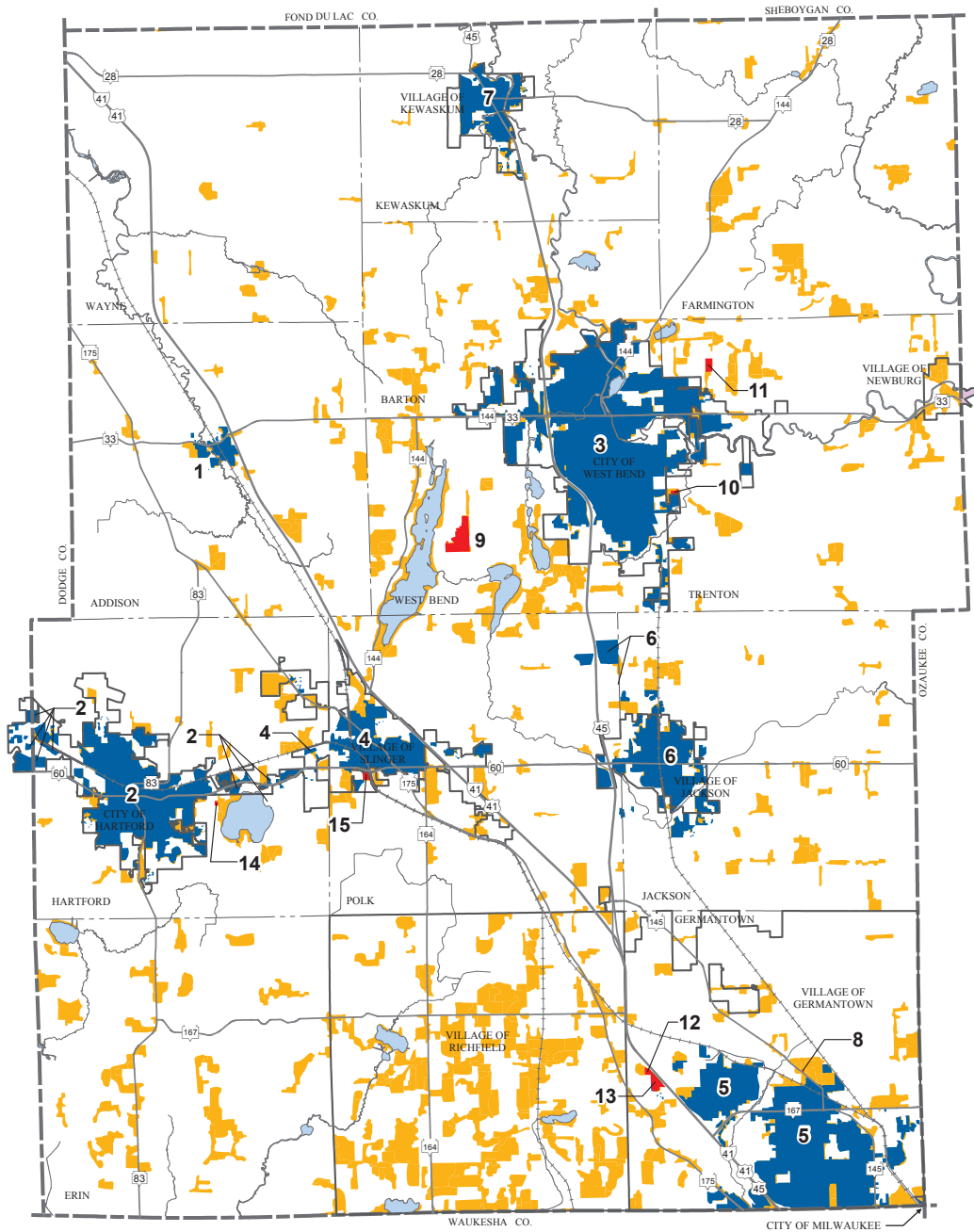
Projections developed under the regional water supply plan anticipate that each of the existing municipal utility water service areas will experience an increase in water demand by 2035.⁷⁸ In addition to the seven existing municipal water utilities in Washington County, the SEWRPC regional water supply study recommends that the Village of Newburg develop a municipal water supply system by 2035. The Village of Newburg has no plans to develop a municipal water supply system at this time.

The total population projected to be served by municipal water utilities in 2035 under the regional water supply plan is 113,250 residents, which is an increase of about 33,150 people over the period from 2010 to 2035. It is estimated that about 72 percent of County residents (based on a total of 157,265 County residents projected by the year 2035 regional land use plan) would be served by a municipal water utility in 2035. The area served by municipal water supply systems within Washington County is expected to increase by about 52 percent between 2010 and 2035, from about 27 square miles to about 41 square miles. About 50 percent of the increase in water supply service area is due to the anticipated expansion of water service areas in the Cities of Hartford and West Bend and the Village of Germantown, as shown on Map 9.4. Table 9.5 provides projected changes in population and area of urban development expected for the eight existing and planned municipal water service areas in Washington County for the water supply plan design year 2035.

Estimates were made of the future water use demands and pumpage for each municipal water utility based on the changes in population and land use within each of the service areas, as shown in Table 9.6. The total water use demand on an average daily basis for the seven existing municipal water utilities in Washington County is estimated to increase from 6.2 million gallons per day (mgd) to 11.7 mgd in 2035. The corresponding pumpage is estimated to increase from 7.9 mgd to 13.8 mgd on an average daily basis and from 14.5 mgd to 21.7 mgd on a maximum daily basis. These pumpage estimates include water use based on sales, water used for production and system maintenance, and unaccounted-for water. About 50 percent of the projected increase in water use between 2010 and 2035 for municipal water supply systems in Washington County is due to existing development not currently served, but within the planned 2035 service areas shown on Map 9.4.

⁷⁸ The regional water supply plan was adopted by the Commission in December 2010 and has a design year of 2035.

Map 9.3
Areas Served by Public and Private Water Utilities in Washington County: 2010



- AREAS SERVED BY PUBLIC WATER UTILITIES
- AREAS SERVED BY PRIVATE WATER UTILITIES
- URBAN DEVELOPMENT AS IDENTIFIED IN THE REGIONAL PLANNING COMMISSION HISTORIC URBAN GROWTH RING ANALYSIS.
- SURFACE WATER

5 REFERENCE NUMBER
 (SEE TABLE 9.3)

Source: Washington County and SEWRPC

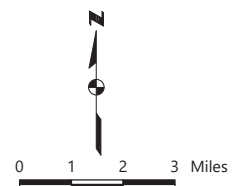


Table 9.3
Public and Private Water Utility Service in Washington County: 2010

Number on Map 9.3	Utilities	Acres (2010)	Total Annual Pumpage in Gallons (2010)	Gallons Per Person Per Day
Public				
1	Allenton Sanitary District	215.9	34,946,000	128.7
2	City of Hartford Water Utility	3,048.5 ^a	538,287,000	99.9
3	City of West Bend Water Utility	6,267.0	1,027,077,000	88.1
4	Slinger Utility	1,168.2	125,848,000	70.6
5	Village of Germantown Water Utility	4,202.3	804,504,000	134.6
6	Village of Jackson Water Utility	1,699.0	239,326,000	89.2
7	Village of Kewaskum Municipal Water Utility	821.4	119,503,000	81.2
Public Total		17,422.3	2,889,491,000	--
Private				
8	Brookside Meadows	1.1	-- ^b	-- ^b
9	Cedar Lake Home 5 & 9	139.3	-- ^b	-- ^b
10	Cottages at Cedar Run	8.8	-- ^b	-- ^b
11	Hilltop Highlands 1-6	38.9	-- ^b	-- ^b
12	Jamestown East Homeowners Association	24.3	-- ^b	-- ^b
13	Maple Terrace Mobile Home Park	10.9	-- ^b	-- ^b
14	Voigts Lakeside Estates	3.9	-- ^b	-- ^b
15	Wheel Estates Mobile Home Park	14.5	-- ^b	-- ^b
Private Total		241.7	-- ^b	-- ^b
Total		17,502.6	-- ^b	-- ^b

^a Includes 161.4 acres in Dodge County.

^b Private water utilities are not metered, data is not available.

Source: Public Service Commission of Wisconsin and SEWRPC

Non-Municipal Community Systems and Self-Supplied Systems

A non-municipal community water system is a privately owned system that serves at least 25 year-round residents, or serves 15 service connections used by year-round residents (anything greater than six months is considered year-round). Examples of these include mobile home parks, subdivisions, apartments, and condominiums. In 2010, there were eight such systems in Washington County, which are listed in Table 9.3. These systems served an area of about 240 acres and served a year 2010 resident population of about 1,700 people, or less than 2 percent of Washington County residents. All of these eight systems utilized groundwater as a source of supply through four low-capacity and 26 high-capacity wells. The existing service areas of these systems are shown on Map 9.3. Table 9.3 sets forth the total acres served in 2010 by each private water utility. It is anticipated that seven of the current eight systems will be served by municipal water supply systems by 2035. The one remaining system, serving the Cedar Lakes Campus in the Town of West Bend, is expected to remain in use to and through 2035.

There are also a number of self-supplied industrial, commercial, institutional, recreational, agricultural, other irrigation, and thermoelectric-power generation water supply systems in the County. These systems provide water for individual business and industries (including agriculture), and institutional uses such as parks and municipal halls. In 2010, there were 207 privately owned, self-supplied systems serving industrial facilities, commercial facilities, institutional and recreational facilities, and agricultural or other irrigation facilities. All of these private, self-supplied water supply systems utilize groundwater as a source of supply. In aggregate, systems were reported to utilize about 2.9 mgd of water during 2010. Private systems expected to continue being used for water supply to 2035 are shown on Map 9.5 and listed in Table 9.7.

In 2010, about 52,000 people, or about 39 percent of County residents, were served by private domestic wells or non-municipal community systems. Generally, any home located outside an area served by a municipal water supply system (shown on Map 9.3) is served by a private domestic well. Assuming an average use of 58 gallons per capita per day, these private residential wells would withdraw about 3.0 million gallons per day from the shallow groundwater aquifer. It is estimated that 6 percent of the households served

**Table 9.4
Summary of Municipal Water Use in Washington County: 2000 and 2010**

Year	Average Annual Water Uses								Unaccounted for Water ^g (percent of annual water use)
	Residential Water Use ^a		Industrial Water Use		Commercial, Institutional, and Multifamily Residential, and Miscellaneous Water Use ^a		Other Municipal ^f Water Uses		
	Total ^f (gallons per day X 1,000)	Per Person ^d (gallons per capita per day)	Total ^f (gallons per day X 1,000)	Per Acre (gallons per acre per day)	Total ^f (gallons per day X 1,000)	Per Acre (gallons per acre per day)	Total ^f (gallons per day X 1,000)	Per Person ^f (gallons per capita per day)	
2000	3,488	66	1,287	1,857	1,406	474	230	96	13
2010	3,490	58	1,000	782	1,487	441	243	78	14

^a Residential category includes population associated with single-family and two-family housing units, plus some larger multifamily housing where individual water meters are used for each unit. Other multifamily units are included in the commercial water use category.

^b Includes all water specifically accounted for.

^c As reported in annual reports submitted to the Public Service Commission of Wisconsin.

^d Reported residential water use excludes that associated with multiple-unit dwellings where a single meter serves three or more housing units. That water use is classified as commercial under the Public Service Commission of Wisconsin reporting system. The water uses presented on a per capita and per acre basis were calculated by adjusting the population and residential land area to be consistent with this reporting procedure.

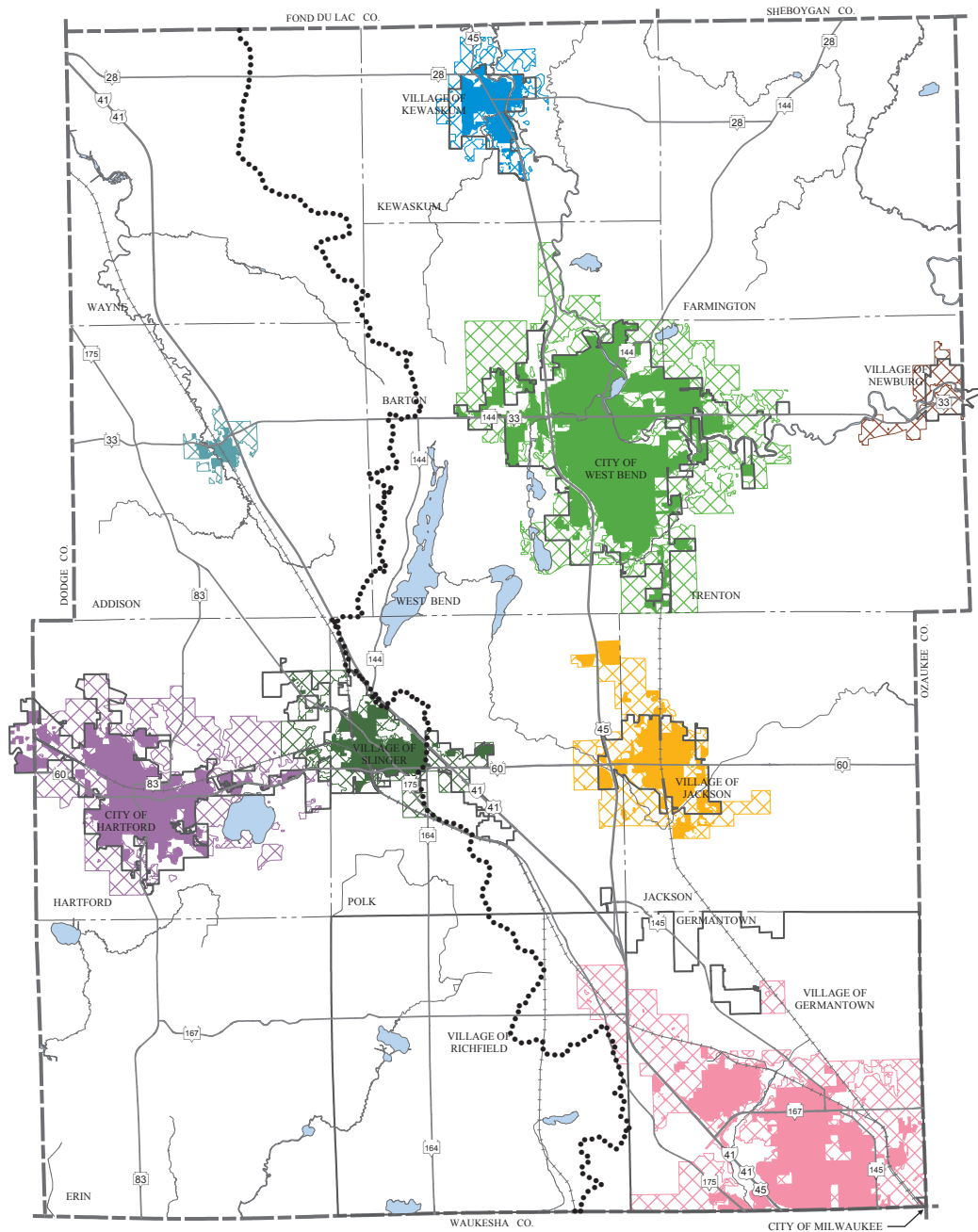
^e Includes uses for fire protection services, sales to public authorities, sales to irrigation customers, and interdepartmental sales.

^f Estimated based upon total residential population served.

^g Water not specifically accounted for as a percent of total pumpage into distribution system.

Source: Public Service Commission of Wisconsin and SEMRPC

Map 9.4
Areas Projected to be Served by Municipal and Other Than Municipal
Community Water Supply Systems in Washington County: 2035



PUBLIC WATER SYSTEMS EXISTING IN 2010

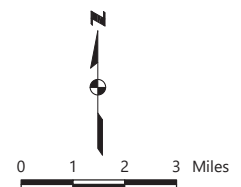
2010	2035	
		ALLENTON SANITARY DISTRICT
		CITY OF HARTFORD WATER UTILITIES
		CITY OF WEST BEND WATER UTILITY
		VILLAGE OF KEWASKUM WATER UTILITY
		SLINGER UTILITIES
		VILLAGE OF GERMANTOWN WATER UTILITY
		VILLAGE OF JACKSON WATER UTILITY

NEW WATER SYSTEM

2035	
	VILLAGE OF NEWBURG
	SUBCONTINENTAL DIVIDE

Note: The proposed new area in the Village of Richfield could be a separate new utility.

Source: Water Utilities and SEWRPC



**Table 9.5
Municipal Water Supply Service Population and Area Comparison for Washington County: 2010-2035**

Utility	Population			Area Served			
	2010 Population	2010 – 2035 Increment		2010 Area Served (square miles)	2010 – 2035 Increment		2035 Area Served (square miles)
		Change in Population	Percent Change		Change in Area (square miles)	Percent Change	
City of Hartford Water Utilities	14,700	3,450	23	4.5	2.0	44	6.5
City of West Bend Water Utility	32,000	12,550	39	9.8	3.7	38	13.5
Village of Germantown Water Utility	16,400	7,050	43	6.6	3.6	55	10.2
Village of Jackson Water Utility	7,300	2,650	36	2.7	0.8	30	3.5
Village of Kewaskum Municipal Water Utility	4,000	1,500	38	1.3	0.5	38	1.8
Slinger Utilities	4,900	3,250	66	1.8	1.6	89	3.4
Allenton Sanitary District	800	750	94	0.3	0.4	119	0.7
Village of Newburg Area ^a	--	1,950	--	--	1.3	--	1.3
Total	80,100^b	33,150	41	27.0	13.9	52	40.9

^a Includes the entire Village of Newburg service area.

^b Washington County's 2010 population was 132,063 people. Of that, 61 percent were estimated by SEWRPC to be provided with water from a municipal water system.

^c Washington County's 2035 population is projected to be 157,265 people according to the SEWRPC year 2035 regional land use plan. Of that, it is estimated that 72 percent will be provided with water from a municipal water system.

Source: SEWRPC Regional Water Supply Plan

**Table 9.6
Municipal Water Supply Service Area Demand and Pumpage in Washington County: 2010 and 2035**

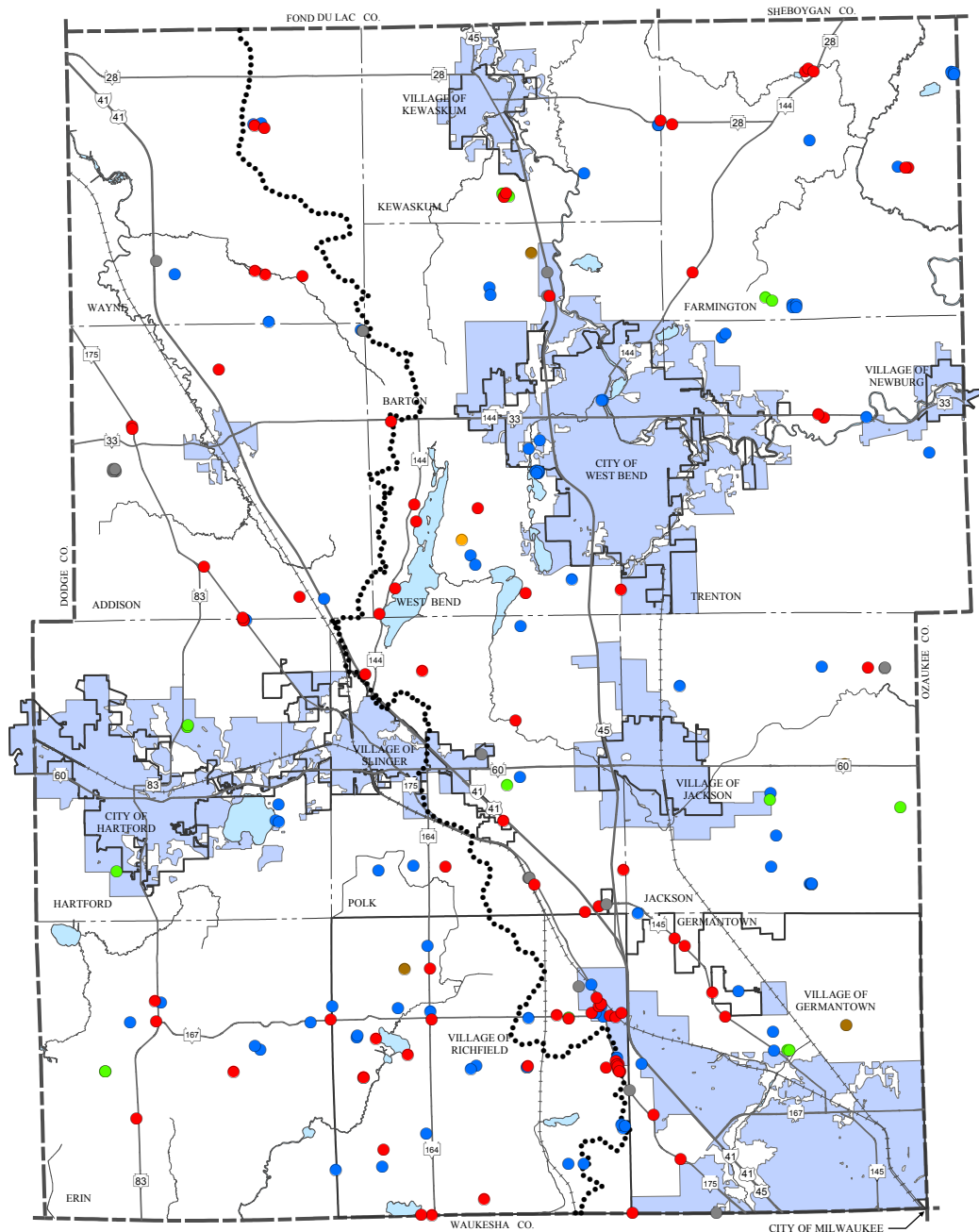
Utility	2010			2035		
	Average Water Use Demand ^a (gallons per day in thousands)	Average Daily Pumpage ^a (gallons per day in thousands)	Maximum Daily Pumpage ^a (gallons per day in thousands)	Average Water Use Demand (gallons per day in thousands)	Average Daily Pumpage (gallons per day in thousands)	Maximum Daily Pumpage (gallons per day in thousands)
City of Hartford Water Utilities	1,345	1,475	2,198	1,981	2,463	3,703
City of West Bend Water Utility	2,353	2,814	4,628	4,405	4,807	6,470
Village of Germantown Water Utility	1,386	2,204	3,643	2,523	3,305	5,452
Village of Jackson Water Utility	556	656	1,171	1,097	1,161	2,096
Village of Kewaskum Municipal Water Utility	238	327	826	597	749	1,358
Slinger Utilities	267	345	588	742	857	1,598
Allenton Sanitary District	75	96	1,460	147	202	677
Village of Newburg Area ^b	--	--	--	189	223	345
Total	6,220	7,917	14,514	11,681	13,767	21,699

^a Data based on year 2010 Public Service Commission Reports data for water sales.

^b Includes the entire Village of Newburg service area.

Source: Public Service Commission of Wisconsin and SEWRPC Regional Water Supply Plan

Map 9.5
Anticipated Self-Supplied Residential, Industrial, Commercial, Institutional and Recreational, Agricultural, and Irrigation Water Supply Systems in Washington County: 2035

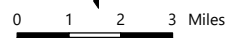


SELF-SUPPLIED WATER SYSTEM WELLS

- RESIDENTIAL
- INDUSTRIAL
- COMMERCIAL
- AGRICULTURAL
- IRRIGATION
- INSTITUTIONAL AND RECREATIONAL

- AREA SERVED OR PROPOSED TO BE SERVED BY A PUBLIC WATER UTILITY
- SUBCONTINENTAL DIVIDE

Note: The self-supplied water systems indicated on this map include all known wells defined as non-community transient and non-transient, and non-community high-capacity wells. The well locations shown on this map are approximate. More specific information on the number and location of self-supplied water systems is available from the Wisconsin Department of Natural Resources.



Source: Wisconsin Department of Natural Resources and SEWRPC

Table 9.7
Projected Characteristics of Self-Supplied Water Supply Systems in Washington County: 2035^a

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Private Community Water Systems Cedar Lake Home	Town of West Bend	2	H	H	20,000 50,000	26,000 70,000
	Subtotal – One system	2	--	--	70,000	96,000
Industrial Water Supply Systems ^e Merget Sand and Gravel	Village of Germantown	1	H	H	180,000	180,000
Wisconsin Electric Power Company – Germantown	Village of Germantown	1	H	H	100,000	100,000
Strohwig Tool	Village of Richfield	1	L	L	2,400	--
Bill Fly	Town of Addison	2	H	H	24,000	100,000
Sunset Farms	Town of Addison	4	H	L	--	22,000
					8,000	10,000
					18,000	25,000
					--	1,000
					--	1,000
Weasler Engineering	Town of Barton	1	L	L	3,375	--
Wiedmeyer Service Center	Town of Barton	1	L	L	465	--
Level Valley Dairy Company	Town of Jackson	1	H	H	325,000	325,000
Schreiber Foods, Inc.	Town of Jackson	1	L	L	1,950	--
Quincy Resource Group	Town of Polk	1	L	L	990	--
Wisnosa Sand and Gravel	Town of Polk	2	H	H	240,000	300,000
Yahara Materials, Inc.	Town of Polk	1	H	H	270,000	432,000
Jack Walters and Sons Corporation	Town of Wayne	1	L	L	20,000	40,000
	Subtotal – 13 systems	18	--	--	1,195,080	-- ^f
Commercial Water Supply Systems ^g Kai's Service – Amoco	Village of Germantown	1	L	L	500	--
Kl's Bar and Grill	Village of Germantown	1	L	L	1,060	--
Sports Corner Bar and Grill	Village of Germantown	1	L	L	840	--
Willow Creek Amoco	Village of Germantown	1	L	L	2,060	--
Advanced Health Care – Hubertus Clinic	Village of Richfield	1	L	L	4,150	--
Amici's	Village of Richfield	1	L	L	270	--
Arrowhead Springs Golf Course	Village of Richfield	1	L	L	500	--

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Commercial Water Supply Systems ^g (continued)						
Chalet Shopping Center	Village of Richfield	1	L	L	740	--
Donna's Tavern	Village of Richfield	1	L	L	620	--
Fox and Hounds Restaurant	Village of Richfield	2	L	L	4,200	--
Johnny Manhattan's	Village of Richfield	1	L	L	1,000	--
Kaul Oil Mini Mart 66	Village of Richfield	1	L	L	1,030	--
Lake Five Service	Village of Richfield	1	L	L	1,050	--
Little Red School House – Colgate	Village of Richfield	1	L	L	1,335	--
Loggers Park Club House/American Health and Fitness	Village of Richfield	1	H	L	3,000	28,000
M & I Bank – Richfield	Village of Richfield	1	L	L	250	--
Millis Transfer, Inc.	Village of Richfield	1	L	L	1,830	--
Piggly Wiggly Supermarket #84	Village of Richfield	1	L	L	5,850	--
Pioneer Bowl	Village of Richfield	1	L	L	560	--
Pleasant Hill Inn	Village of Richfield	1	L	L	540	--
Richfield Chalet	Village of Richfield	1	L	L	3,200	--
Richfield Plaza	Village of Richfield	1	L	L	800	--
Richfield Truck Stop	Village of Richfield	1	L	L	1,000	--
Sawmill Inn	Village of Richfield	1	L	L	1,080	--
Sunset View Restaurant	Village of Richfield	1	L	L	520	--
The Copper Dock	Village of Richfield	1	L	L	500	--
The Country Mart	Village of Richfield	1	L	L	520	--
Uncle Johnny's	Village of Richfield	1	L	L	640	--
Whiskey River	Village of Richfield	1	L	L	1,020	--
Wally and Bee's	Village of Richfield	1	L	L	500	--
Zimmerman's Kettle Hills GC	Village of Richfield	1	L	L	600	--
Breakaway Bar and Grill	Town of Addison	1	L	L	560	--
Kreilkamp Trucking, Inc.	Town of Addison	2	L	L	400	--
Little Red Inn	Town of Addison	1	L	L	2,060	--
MJ Stevens	Town of Addison	1	L	L	540	--
The Waterin Hole	Town of Addison	1	L	L	600	--
Underground Saloon	Town of Addison	1	L	L	12,120	--
Shluffy's Inn	Town of Barton	1	L	L	500	--
Church Road Station, Inc.	Town of Erin	1	L	L	500	--

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Commercial Water Supply Systems^g (continued)						
Down Slope Pub	Town of Erin	1	L	L	600	--
Erin Inn	Town of Erin	1	L	L	500	--
Erin Motel and Restaurant	Town of Erin	1	L	L	3,575	--
Tally Ho Inn	Town of Erin	1	L	L	560	--
Buddie's Place	Town of Farmington	1	L	L	540	--
Dick's Club 144	Town of Farmington	1	L	L	500	--
Enright's Tap	Town of Farmington	1	L	L	540	--
Fire Escape	Town of Farmington	1	L	L	800	--
Goeden's Auto Body	Town of Farmington	1	L	L	540	--
Marshall's Country Corner	Town of Farmington	1	L	L	560	--
St. Michael's Tavern	Town of Farmington	1	L	L	520	--
Turner Hall	Town of Farmington	1	L	L	500	--
Madame Belle's	Town of Germantown	1	L	L	1,020	--
Riteway Bus Service – Germantown Tavern	Town of Germantown	1	L	L	330	--
Guendt's Bar	Town of Germantown	1	L	L	680	--
St. Lawrence C-Way	Town of Hartford	1	L	L	520	--
Jail House Pub and Grill	Town of Hartford	1	L	L	800	--
Sunburst Ski Area: Summit Ski Corporation	Town of Jackson	1	L	L	540	--
	Town of Kewaskum	2	H	L	1,000	5,000
				L	1,000	5,000
Cedar Lake Pub	Town of Polk	1	L	L	500	--
Emily's	Town of Polk	1	L	L	1,000	--
Harley's Steak House	Town of Polk	1	L	L	270	--
Krupke Trucking, Inc.	Town of Polk	1	L	L	525	--
Pioneer Plaza	Town of Polk	1	L	L	820	--
Richfield Pub	Town of Polk	1	L	L	500	--
Scenic View Country Club	Town of Polk	1	L	L	3,000	--
Springs Motel	Town of Polk	1	L	L	1,625	--
Wurth Adams Nuts and Bolts	Town of Polk	1	L	L	300	--
El Rey Mexican Restaurant	Town of Polk	1	L	L	250	--
West Bend Lakes Golf and Recreation	Town of Trenton	1	L	L	500	--
CW's Place	Town of Trenton	1	L	L	520	--
	Town of Wayne	1	L	L	520	--

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Commercial Water Supply Systems ^g (continued)						
Cedar Valley Retreat Campus	Town of Wayne	1	L	L	350	--
Cross Roads Tap	Town of Wayne	1	L	L	540	--
Jugs Hitching Post	Town of Wayne	1	L	L	540	--
Little Folks School House	Town of Wayne	1	L	L	420	--
Big Cedar Lake Resort	Town of West Bend	1	L	L	3,575	--
House of Heilman	Town of West Bend	1	L	L	500	--
Jojo's Bar and Grill	Town of West Bend	1	L	L	1,000	--
Linden Inn	Town of West Bend	1	L	L	1,500	--
Our Place	Town of West Bend	1	L	L	500	--
Schultz's White Tail Inn	Town of West Bend	1	L	L	2,000	--
Tri Par Oil Company – West Bend	Town of West Bend	1	L	L	1,800	--
West Bend Country Club	Town of West Bend	1	L	L	1,500	--
	Subtotal – 82 systems	85	--	--	98,705	-- ^f
Institutional and Recreational Water Supply Systems ^g						
Regner Park	City of West Bend	2	H	H	200,000	200,000
Ridge Run Park	City of West Bend	2	L	L	125	--
Germantown Public Works	Village of Germantown	1	L	L	--	--
Kingdom Hall Jehovah's Witness	Village of Germantown	1	L	L	600	--
Our Savior United Church of Christ	Village of Germantown	2	L	L	250	--
					1,090	--
Amy Belle School	Village of Richfield	1	H	H	--	--
Crown of Life Evangelical Lutheran Church and School	Village of Richfield	1	H	H	6,405	--
Daniel Boone Conservation League Club House	Village of Richfield	1	L	L	1,425	--
Emmanuel United Methodist Church	Village of Richfield	1	L	L	4,530	--
First Presbyterian Church	Village of Richfield	1	L	L	1,000	--
Friess Lake School	Village of Richfield	1	H	H	350	--
Glacier Hills County Park	Village of Richfield	2	L	L	12,000	24,000
					125	--
					500	--
Loggers Park/American Health and Fitness	Village of Richfield	2	H	H	1,000	5,000
					1,000	5,000

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Institutional and Recreational Water Supply Systems ⁹ (continued)						
Minikani YMCA Camp	Village of Richfield	3	L	L	15,450	--
Plat Elementary School	Village of Richfield	1	H	L	2,000	3,000
Richfield Elementary School	Village of Richfield	1	H	--	6,000	17,000
Richfield Fireman's Park and Station No. 1	Village of Richfield	1	L	L	200	--
Richfield Town Hall and Garage	Village of Richfield	1	L	L	310	--
Shepherd of the Hills Lutheran Church	Village of Richfield	1	L	L	3,020	--
St. Jacobi Congregational Church	Village of Richfield	1	L	L	250	--
St. Augustine, Inc.	Village of Richfield	1	H	L	3,000	13,000
St. Gabriel Church and School	Village of Richfield	2	H	L	9,000	15,000
				L	1,000	2,000
Wooded Hills Bible School	Village of Richfield	1	L	L	260	--
Zion United Methodist Church	Village of Richfield	1	L	L	250	--
Addison Elementary School	Town of Addison	1	H	H	8,000	13,000
St. Peter's Evangelical Lutheran Church	Town of Addison	1	L	L	450	--
Timber Trail Recreation Area	Town of Barton	2	L	L	5,000	--
				L	1,250	--
Disalced Carmelites and Holy Hill Cafe	Town of Erin	1	L	L	2,180	--
Erin School	Town of Erin	1	H	--	6,000	--
Erin Town Hall and Erin Go Braugh Park	Town of Erin	1	L	L	1,050	--
Heiliger Huegel Ski Club	Town of Erin	1	H	H	90,000	180,000
St. Mary of the Hill Parish	Town of Erin	1	L	L	250	--
St. Paul's United Church of Christ	Town of Erin	1	L	L	750	--
Camp Awana	Town of Farmington	4	H	L	1,000	5,000
				L	1,000	5,000
				L	1,000	5,000
				L	--	1,000
Farmington Elementary School	Town of Farmington	1	H	L	4,200	--
Lazy Days Campground	Town of Farmington	4	L	L	12,500	--
				L	--	--
				L	--	--

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Institutional and Recreational Water Supply Systems ^g (continued)						
St. Martin's United Church of Christ	Town of Farmington	1	L	L	250	--
Rockfield School	Town of Germantown	1	H	--	3,750	--
St. Lawrence Church	Town of Hartford	1	H	--	1,040	--
Wisconsin Department of Natural Resources – Pike Lake	Town of Hartford	3	L	L	285	--
					1,075	--
David's Star Evangelical Lutheran School	Town of Jackson	4	H	L	700	1,000
					1,000	2,000
					5,000	10,000
					--	--
Jackson Town Hall and Community Center Kettle Moraine Lutheran High School New Hope United Church of Christ St. John's Lutheran Church St. Peter's United Church of Christ Trinity Evangelical Lutheran Church and School Kettle Moraine State Forest Glacial Trail – CTH H St. Michael's Catholic Church and School	Town of Jackson	1	L	L	250	--
	Town of Jackson	1	H	H	6,000	13,000
	Town of Jackson	1	L	L	800	--
	Town of Jackson	1	L	L	1,400	--
	Town of Jackson	1	L	L	800	--
	Town of Jackson	1	H	H	1,000	1,000
	Town of Kewaskum	1	L	L	125	--
	Town of Kewaskum	2	L	L	550	--
					5,030	--
	Town of Polk	1	L	L	125	--
	Town of Polk	1	L	L	1,000	--
	Ackerman's Grove County Park Faith United Church of Christ Heritage Trails County Park Still Waters Community United Methodist Church Goeden County Park Holy Trinity Congregation Sandy Knoll County Park	Town of Polk	1	L	L	125
Town of Polk		1	L	L	300	--
Town of Polk		1	L	L	125	--
Town of Trenton		1	L	L	3,500	--
Town of Trenton		1	H	H	220	--
Town of Trenton		2	L	L	250	--
Town of Wayne		1	L	L	250	--
Town of Wayne		1	L	L	250	--
Town of Wayne		1	H	H	2,000	5,000
Town of Wayne		1	L	L	250	--

Table continued on next page.

Table 9.7 (Continued)

System Name	Local Government	Number of Wells	Capacity (system)^b	Capacity (individual well)^b	Estimated Average Daily Water Use^c or Approved Normal Pumpage^d (gallons per day)	Approved Maximum Daily Water Use^d (gallons per day)
Institutional and Recreational Water Supply Systems ⁹ (continued) Camp Silverbrook	Town of West Bend	6	L	L	7,500	--
				L	--	
				L	--	
				L	--	
Cedar Lake Wayside Silver Maple School St. Paul's Evangelical Church	Town of West Bend	1	L	L	125	--
	Town of West Bend	1	L	L	2,025	--
	Town of West Bend	1	L	L	250	--
	Subtotal – 64 Systems	91	--	--	654,120	-- ^f
Agricultural Water Supply Systems ^e Minor's Garden Center, Inc L. Teweles Seed Company L. Gieringer, Robert H. and Sons Minor's Garden Center, Inc.	Village of Germantown	1	H	H	144,000	288,000
	Village of Richfield	1	H	H	173,000	216,000
	Town of Barton	1	H	H	97,000	195,000
	Town of Jackson	1	H	H	360,000	720,000
	Subtotal – Four Systems	4	--	--	774,000	1,419,000
Irrigation Water Supply Systems ^e W and E Radtke, Inc. Zimmerman's Kettle Hills Golf Course Lang Golf Company, LLC Stoneridge Golf Course Hartford Country Club Washington County Family Park Hidden Glen Golf Club Kettle Moraine Lutheran High School Sunburst Ski Area: Summit Ski Corporation Michael's Pipeline Construction	Village of Germantown	2	H	L	20,000	92,000
				H	125,000	288,000
	Village of Richfield	1	H	H	202,000	403,000
	Town of Erin	2	H	L	25,000	50,000
	Town of Farmington	2	H	H	300,000	720,000
				H	90,000	105,000
	Town of Hartford	1	H	L	10,000	20,000
	Town of Hartford	2	H	H	460,000	460,000
				H	20,000	100,000
				H	144,000	576,000
	Town of Jackson	1	H	H	288,000	576,000
	Town of Jackson	1	H	H	15,000	35,000
	Town of Kewaskum	2	H	H	144,000	288,000
			H	432,000	720,000	
Town of Polk	1	H	H	144,000	288,000	
Subtotal – 10 systems	15	--	--	2,419,000	4,721,000	

Table continued on next page.

Table 9.7 (Continued)

Note: Groundwater was the source of water for all systems in 2007.

^a Data is from the Wisconsin Department of Natural Resources (WDNR) Drinking Water System. The database is not an up-to-date record of all high-capacity wells in the State. Some wells listed in the database may not be in service. There may be additional wells in service that are not in the database.

^b H = High-Capacity (70 gallons per minute or greater), L = Low-Capacity (less than 70 gallons per minute).

^c Average water use is estimated based on review of population data available from the WDNR and SEWRPC and by using 60 gallons per day per capita, unless noted otherwise.

^d The approved normal daily pumpage in gallons from the WDNR Drinking Water System database. These amounts may be pumped intermittently.

^e Estimated pumpage is typically based upon very limited data, where available. The value reported is the normal and maximum daily approved pumpage in gallons from the WDNR Drinking Water System database.

^f Data incomplete.

^g Values reported were taken from the WDNR Drinking Water System database, where available. Where not available, average daily pumpage was calculated utilizing standard unit values for the type of facility involved.

Source: SEWRPC Water Supply Study

by private domestic wells are served by public sanitary sewer systems. Thus, the water withdrawn from the groundwater system for about 6 percent of the private domestic wells, or about 0.2 million gallons per day, was discharged to the surface water system, such as the Rubicon River, as treated sanitary sewage. The majority (approximately 90 to 95 percent) of the remaining 94 percent of the water withdrawn by private wells, or about 2.8 million gallons per day, was returned to the groundwater aquifer via onsite sewage disposal systems.



In 2010, about 52,000 people, or about 39 percent of County residents, were served by private domestic wells or non-municipal community systems.

There are expected to be about 44,000 people, or about 28 percent of the total County population, served by private domestic wells in 2035. About 395 square miles are expected to be located outside of the planned 2035 municipal water utility service areas. These private domestic wells would withdraw about 1.9 million gallons per day from the shallow groundwater aquifer, assuming an average use of 58 gallons per person per day.

Sources of Water Supply (Groundwater Aquifers)

Individual hydrogeologic units within Southeastern Wisconsin, including Washington County, differ widely in their ability to yield water to wells. From the standpoint of groundwater occurrence, all rock formations that underlie the Region can be classified either as aquifers or as confining beds. An aquifer is a rock formation or sand and gravel unit that will yield water in a useable quantity to a well or spring. A confining bed, such as shale or siltstone, is a rock formation unit having relatively low permeability that restricts the movement of groundwater either into or out of adjacent aquifers and does not yield water in useable amounts to wells and springs.

The aquifers in Washington County can be divided into shallow and deep (aquifers systems in Southeastern Wisconsin are illustrated in Figure 9.1). The shallow aquifer system is comprised of the Silurian dolomite aquifer and the overlying sand and gravel aquifer. The Maquoketa Formation is the lower limit of the shallow aquifer system. The deep sandstone aquifer is located below the Maquoketa Formation. The Jackson, Kewaskum, Slinger, and West Bend water utilities draw all their water from the shallow aquifer and the Germantown and Hartford water utilities draw water from both the shallow and deep aquifers. The Allenton Sanitary District draws all its water from the deep aquifer. A more detailed description of the areal extent and lithology of aquifers and confining units noted above and including water table depth and elevation mapping can be found in SEWRPC Technical Report No. 37, *Groundwater Resources of Southeastern Wisconsin*, June 2002.

Groundwater Availability

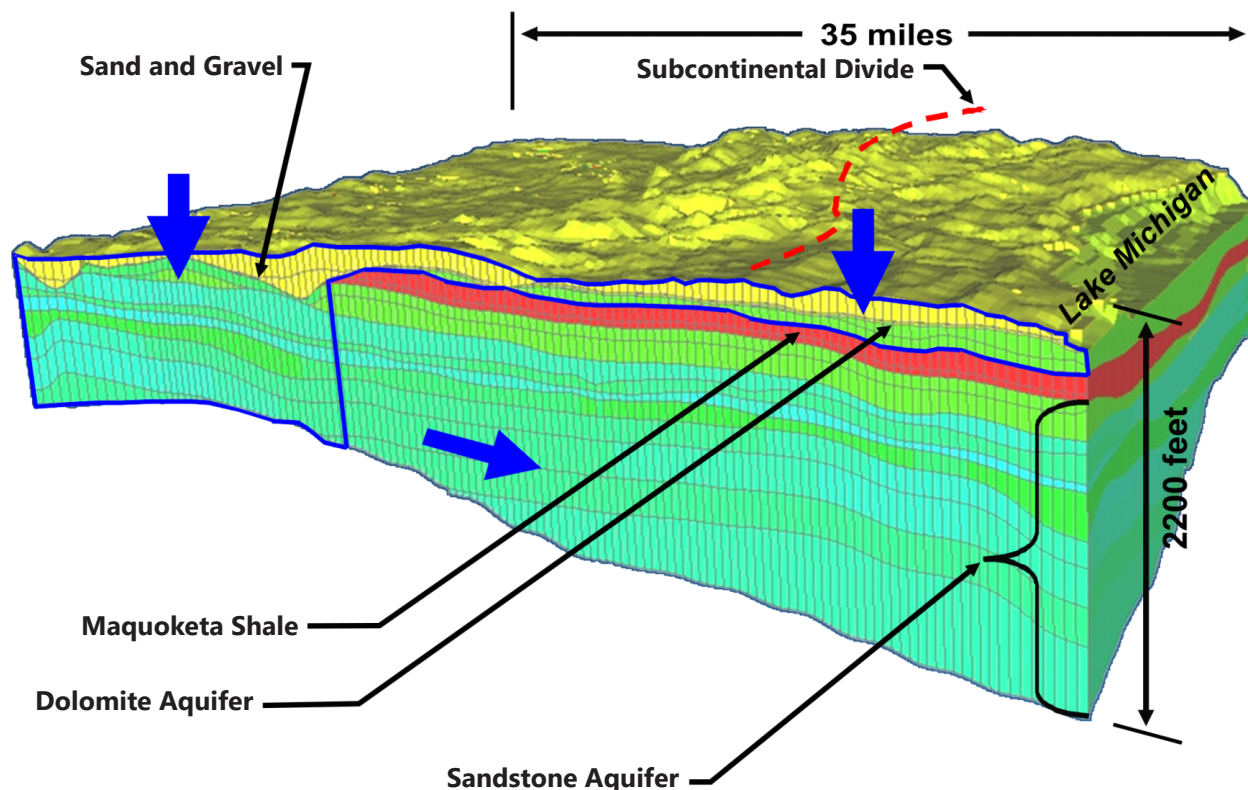
Recharge to groundwater is derived almost entirely from precipitation. Much of the groundwater in shallow aquifers originates from precipitation that has fallen and infiltrated within a radius of about 20 or less miles from where it is found. The deeper sandstone aquifers are recharged by downward leakage of water through the Maquoketa Formation from the overlying aquifers or by infiltration of precipitation beyond the western boundary of the County where the sandstone aquifer is not overlain by the Maquoketa Formation and is unconfined.



Recharge to groundwater is derived almost entirely from precipitation.

On the average, precipitation annually brings about 32 inches of water to the surface of Washington County. That translates into about 660 mgd of water averaged over the year (a total of 240,900 million gallons a year). It is estimated that approximately 80 percent of that total is lost by evapotranspiration. Of the remaining water, part runs off in streams and part becomes groundwater. The average annual groundwater recharge to shallow aquifers varies from about 5 to 15 percent of annual precipitation.

Figure 9.1
Aquifer Systems in Southeastern Wisconsin



Source: US Geological Survey

To document the utilization of the shallow aquifers in the Region, it may be assumed that, on the average, 10 percent of the annual precipitation reaches groundwater. Then, the average groundwater recharge in Washington County would be estimated to be 66 mgd. This precipitation will be returned to the shallow aquifer within days or months, depending on the soil. The estimated daily use of groundwater in 2010 was 13 mgd, which is about 20 percent of the total amount of groundwater assumed to be recharged in that year. This indicates that there is an adequate annual groundwater recharge to satisfy water demands on the shallow aquifer system in Washington County for years to come on an areawide basis. However, the availability on a localized basis will vary depending upon usage, pumping system configuration, and groundwater flow patterns. Groundwater modeling⁷⁹ indicates small areas of drawdown of five feet or less in the shallow aquifer.

The situation is different for the deep aquifers, where withdrawals of groundwater cause supply/demand imbalance in areas of concentrated use of groundwater, which has resulted in the “mining” of groundwater, and where recharge of the aquifer may take years or even decades, depending on the depth and geology of the aquifer. The deep aquifer levels have decreased from 50 to 150 feet within the County. Most of this decline is due to pumping beyond the County boundaries.

To satisfy future water demands in the Southeastern Wisconsin Region, including Washington County, coordinated regional water resource management is needed, which would optimize the use of ground and surface water. The regional water supply planning program⁸⁰ provides guidance in this regard. Areas within Washington County and the remainder of the Region were analyzed and classified based on their potential for water recharge. The analysis was based on a combination of topography, soil hydrologic

⁷⁹ Documented in SEWRPC Technical Report No. 41, A Regional Aquifer Simulation Model for Southeastern Wisconsin, June 2005.

⁸⁰ Documented in SEWRPC Planning Report No. 52, A Regional Water Supply Plan for Southeastern Wisconsin, December 2010.

groups, soil water storage, and land use. An “average” weather year of 1997 was selected for the analysis, since the amount of precipitation received also affects the amount of water that reaches (and recharges) the groundwater. Areas were placed into the following classifications: very high (more than six inches of recharge per year), high (four to six inches of recharge per year), moderate (three to four inches of recharge per year), and low (less than three inches of recharge per year).

Areas within each of the recharge classifications are shown on Map 9.6, and the acreage within each category is listed on Table 9.8. About 3 percent of the County is rated “very high” for recharge potential, and about 21 percent is rated “high” for recharge potential. Most of the high and very high recharge potential areas are located within the Kettle Moraine, due largely to soils that conduct water well. Primary environmental corridors and floodplains are overlain on Map 9.6 to indicate the correlation between such areas and groundwater recharge potential. Over half (54.7 percent) of the areas classified as having very high water recharge potential are located in primary environmental corridors or floodplains, and about 25 percent of areas classified as having high recharge potential are located in primary corridors or floodplains.

Additional information regarding recharge areas and recommendations for their management and protection are presented in the regional water supply plan.

Stormwater Management Facilities

The dispersal of urban land uses over greater amounts of the County, and accompanying increases in impervious areas, increases stormwater runoff that must be accommodated by the stream network or by engineered storm water management systems. Such facilities may include 1) curbs and gutters, 2) catch basins and inlets, 3) storm sewers, 4) infiltration facilities, and 5) stormwater storage facilities for quantity and quality control such as dry and wet detention basins. Detention basins serve to moderate peak rates of runoff following rainstorms and wet detention basins further provide a permanent volume of water to capture and store pollutants.



Detention basins are designed to accommodate stormwater runoff.

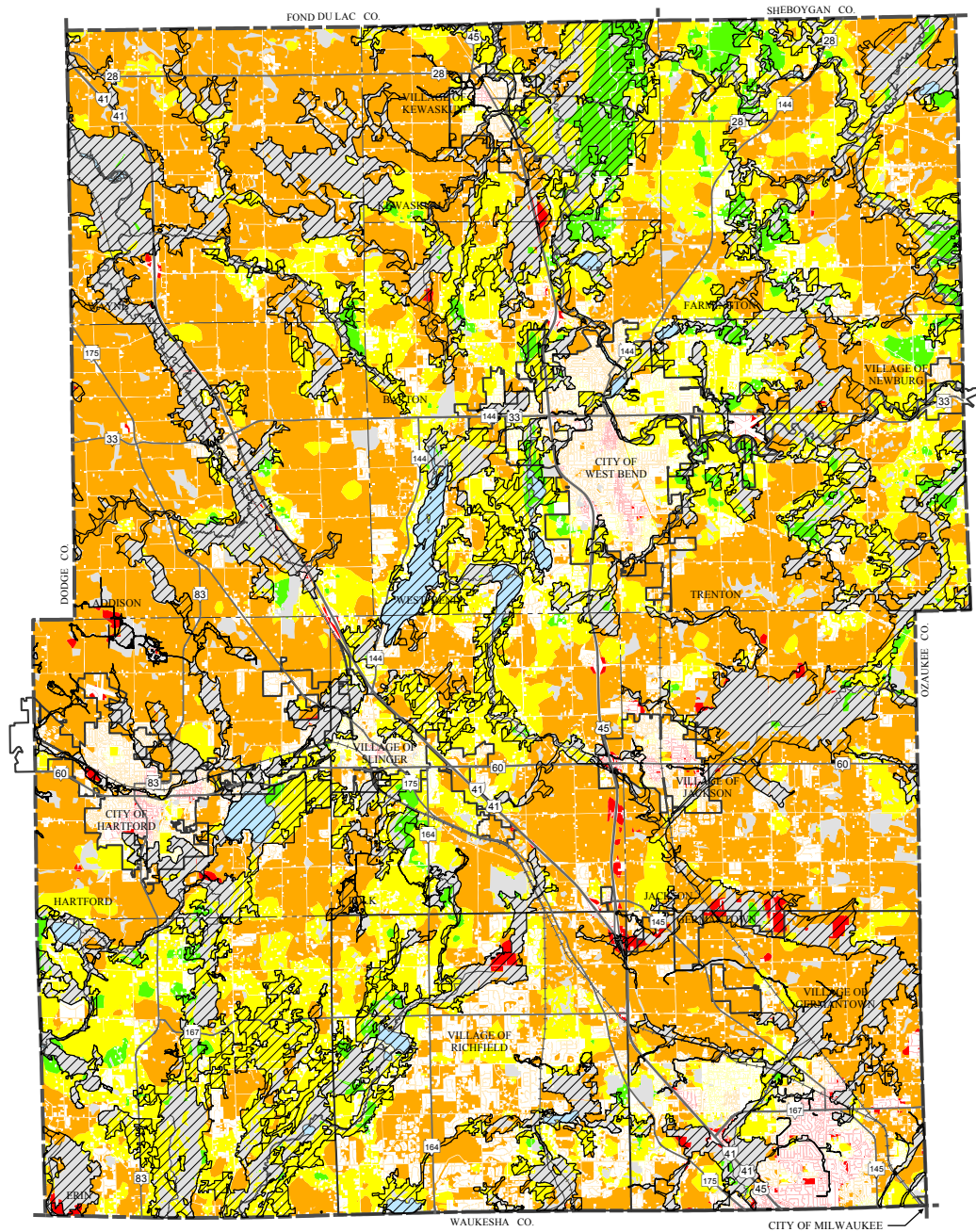
Street improvements in areas with urban-density development should employ curb and gutter and storm sewer facilities to carry stormwater runoff (urban areas tend to have a greater percentage of impervious surfaces that produce increased stormwater runoff), although roadside ditches and swales are generally appropriate for residential development with one acre or larger lots. To collect the increased stormwater runoff produced by some urban developments, stormwater storage and/or infiltration facilities may need to be constructed. In general, these facilities consist of dry basins; wet basins; infiltration basins, trenches, and swales; bioretention facilities; rain gardens; and porous pavement. They serve to store and gradually release and/or infiltrate stormwater. Street improvements in areas with rural-density development (and less impervious surfaces) generally use roadside ditches and swales, culverts, and overland flow paths to carry stormwater runoff.











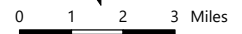
Ideally, stormwater management facilities should be part of an integrated system of stormwater and floodplain management facilities for an entire watershed.

Although often designed on a subdivision-by-subdivision or project-by-project basis, stormwater management facilities ideally should be part of an integrated system of stormwater and floodplain management facilities for an entire watershed, or for an entire community with consideration given to the watershed(s) in which the community is located. Communities in Washington County that have prepared stormwater management plans include the City of West Bend, Village of Germantown, Village of Jackson, and Village of Newburg.

Map 9.6
Water Recharge Potential in Washington County: 2015



- | | | | |
|---|--------------|---|--|
|  | VERY HIGH |  | EXISTING URBAN DEVELOPMENT (2015) |
|  | HIGH |  | PRIMARY ENVIRONMENTAL CORRIDORS (2015)
AND ONE-PERCENT-ANNUAL-PROBABILITY
(100-YEAR RECURRENCE INTERVAL)
FLOODPLAINS (FEMA FIS, OCTOBER 2015) |
|  | MODERATE |  | SURFACE WATER |
|  | LOW | | |
|  | UNDETERMINED | | |
- Note: No soil survey data is available for areas shown as undetermined. These areas are largely comprised of wetlands.



Source: Wisconsin Geological and Natural History Survey, Federal Emergency Management Agency, and SEWRPC

Table 9.8
Classification of Potential Water Recharge Areas in Washington County: 2015

Water Recharge Classification	Area Within each Classification		Portion Within Primary Environmental Corridor or Floodplain	
	Acres	Percent ^a	Acres	Percent ^b
Nonurban Areas				
Very High	8,396	3.0	4,589	54.7
High	59,738	21.4	19,126	31.2
Moderate	106,248	38.1	10,598	9.9
Low	1,566	0.6	1,028	65.1 ^c
Urban Development and Undetermined ^d	102,809	36.9	40,088	39.0
Total	278,757	100.0	75,429	27.1

^a Percent of County within each classification.

^b Percent of each classification included in a primary environmental corridor or floodplain.

^c Most of the areas with low recharge potential are located in areas of hydric soils adjacent to wetlands.

^d Includes 55,251 acres developed with urban uses (total does not include intensive recreational uses) and 47,558 acres where the recharge potential has not been determined. Areas for which the recharge potential is undetermined are primarily wetlands.

Source: Wisconsin Geological and Natural History Survey and SEWRPC

The Cities of Hartford and West Bend and the Villages of Jackson, Kewaskum, Newburg, and Slinger have extensive, although not all-inclusive, curb and gutter storm sewer systems. Portions of the Village of Germantown and hamlet of Allenton also have curb and gutter storm sewer systems. The Towns of Barton, Erin, Farmington, Germantown, Hartford, Kewaskum, Polk, Trenton, Wayne, and rural portions of the Town of Addison outside Allenton rely heavily on roadside swales and culverts to collect stormwater and runoff. Many local governments require the use of wet detention basins to help control stormwater runoff and meet the water quality standards specified in Chapter NR 151 of the *Wisconsin Administrative Code*, regardless of whether they use curb and gutter or roadside swales to convey stormwater. Stormwater management and erosion control ordinances and regulations in effect in the County are described in Chapter 2. The County should ensure these ordinances are developed, adopted, and enforced through the comprehensive plan design year 2050.

Electric Power Service

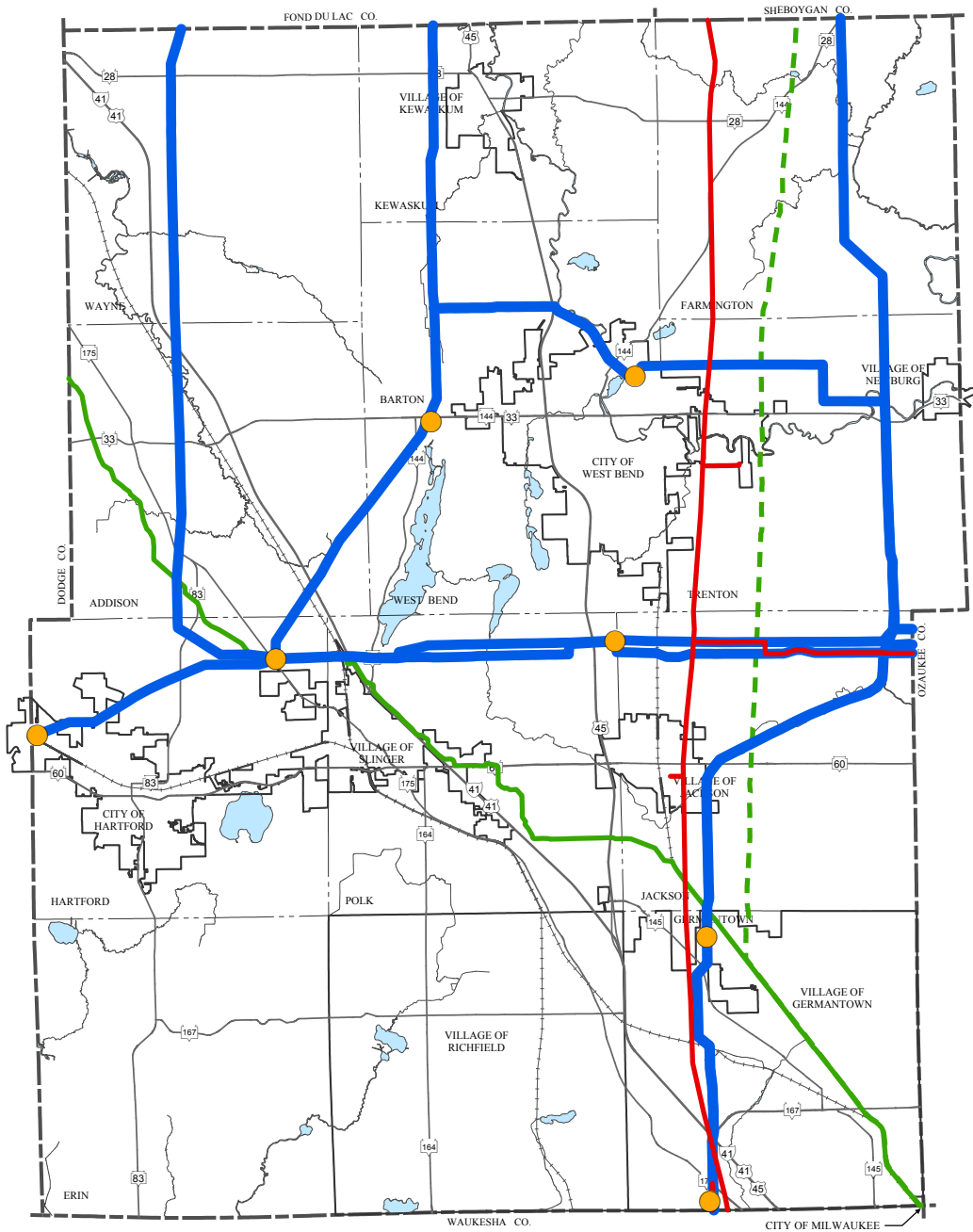
Most of Washington County is provided with electric power service by We Energies. A We Energies electric power generation facility is located in the Village of Germantown. The plant can be powered by either natural gas or oil and is a peak-load plant used during hours of high demand. The plant's contribution to the total We Energies' system is less than 1 percent. The City of Hartford and the Village of Slinger operate their own electric utilities through Wisconsin Public Power, Inc. (WPPI). Hartford Electric is located in the City of Hartford and serves about 7,000 customers in the City of Hartford and adjacent areas in the Town of Hartford. The Village of Slinger Electric Utility is located in the Village of Slinger and serves about 2,300 customers, all within the Village of Slinger.



Most of Washington County is provided with electric power service by We Energies.

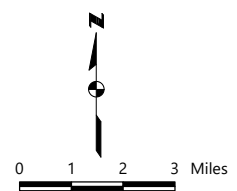
Several high-voltage electric transmission lines cross the County. Transmission lines of 69 kilovolts (kV) and greater are shown on Map 9.7. The American Transmission Company (ATC) owns all of the major electric power transmission lines in Washington County. Electrical power is available throughout the County on demand and is not currently or anticipated to be a constraint to development during the comprehensive plan design period.

Map 9.7
Electric Power Transmission Lines, Substations, and Pipelines in Washington County: 2016



- █ ELECTRIC POWER TRANSMISSION LINE (69 KILOVOLTS AND HIGHER)
- ELECTRIC POWER SUB STATION
- █ NATURAL GAS PIPELINE
- █ PETROLEUM PIPELINE
- - - ABANDONED PETROLEUM PIPELINE

Source: Public Service Commission of Wisconsin and SEWRPC



Natural Gas Service

All of Washington County is within We Energies' service area, although service has not been extended throughout the County.

Pipelines

Three pipelines run through Washington County, which are shown on Map 9.7. ANR Pipeline Company has an underground mainline that runs north to south through the eastern portion of the County in the Towns of Farmington, Trenton, and Jackson; the City of West Bend; and the Villages of Germantown and Jackson. The pipeline delivers natural gas from Canada to the Upper Midwest. Portions of the pipeline "branch out" while traversing the County, with the most significant "branch" located in the Town of Jackson where the pipeline extends eastward to a We Energies Generating station in the City of Port Washington. A Koch Pipeline Company pipeline runs diagonally across the County from the northwest corner of the Town of Addison to the southeast corner of the Village of Germantown, in the Town of Addison, Town of Hartford, Village of Slinger, Town of Polk, Town of Jackson, and Village of Germantown. The Koch Pipeline transports refined petroleum products from a refinery in the Twin Cities to distribution points in Wisconsin. The West Shore Pipe Line Co. previously operated a fuel pipeline that travels through the County from north to south through the Towns of Farmington, Trenton, and Jackson. The pipeline terminates in the Village of Germantown. In June of 2016, the pipeline was shut down due to mounting maintenance costs.

Telecommunications Service

Antennas providing wireless cell phone service were inventoried by SEWRPC in 2005 as part of the regional telecommunications plan. The locations of wireless communication towers and wireless telecommunication sites in Washington County were updated in 2017 as shown on Map 9.8 and listed in Table 9.9. There are a total of 100 sites in the County, 76 are for cellular communication.

Solid Waste Management Facilities

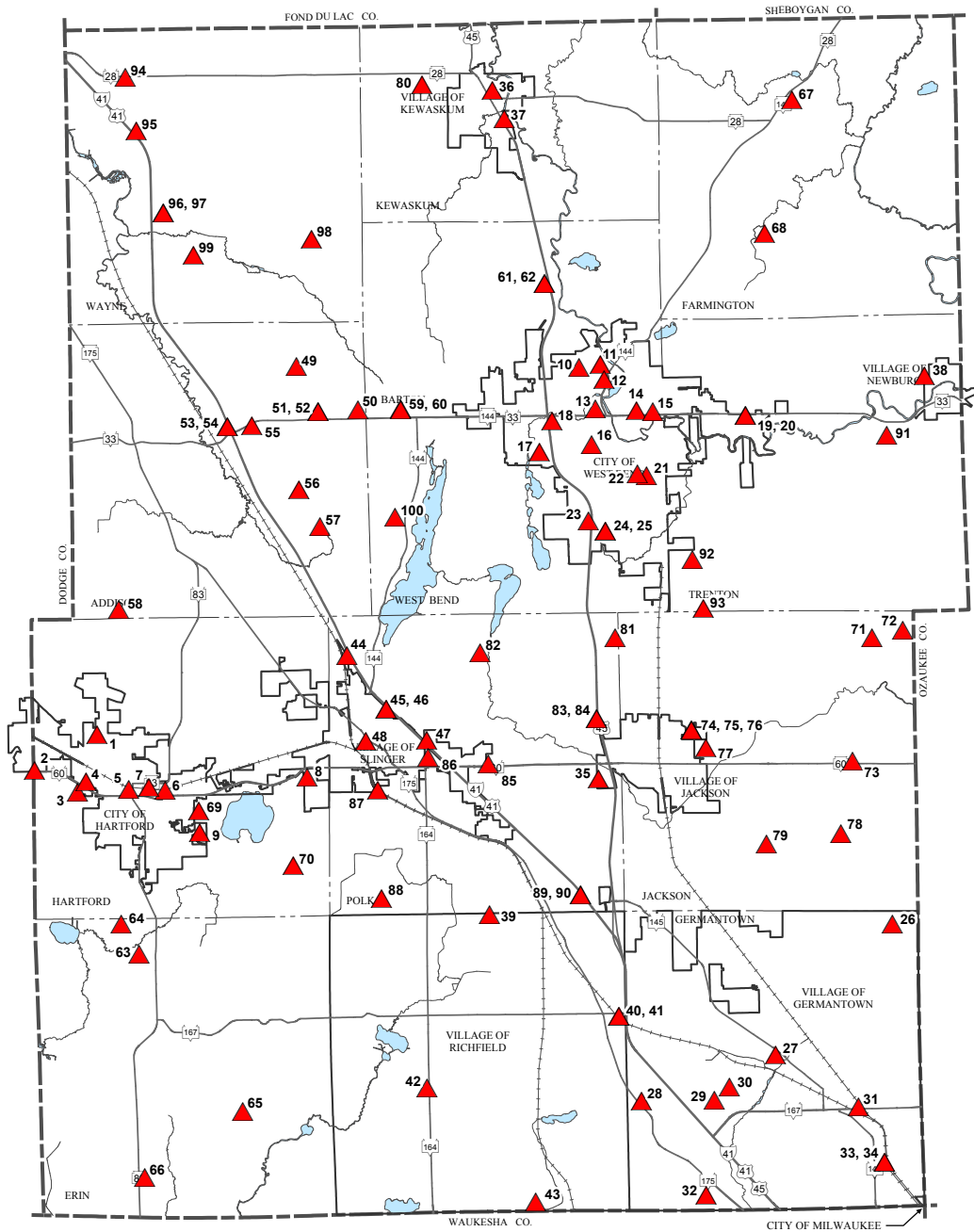
In 2015, all solid waste in Washington County was either collected at a transfer station, drop-off center, recycling center or collected curb side by a contracted private waste management company. Transfer stations are facilities where, for a fee, residents or communities may take their solid waste for collection by a privately owned waste management service provider to be transported to a privately owned solid waste facility and/or landfill. Drop-off and recycling centers are locations provided by a community where residents take their solid waste to be collected by a privately owned waste management provider to be transported to a privately owned solid waste facility, recycling center and/or landfill. Solid waste facilities in Washington County include solid waste storage (for storage of medical waste), recycling facilities, and processing facilities (for processing of animal waste or non-recyclable paper). Transfer stations, drop-off centers, recycling centers, and solid waste facility sites are shown on Map 9.9 and listed in Table 9.10. Most of the solid waste currently collected in the County is deposited in the Glacier Ridge Landfill in Horicon, located in Dodge County, or the Orchard Ridge Landfill in Menomonee Falls, located in Waukesha County. Both landfills receive solid waste from sources throughout the State of Wisconsin, primarily from those counties in which they are located and adjacent counties, as well as from sources in the States of Illinois and Michigan.



In 2015, all solid waste in Washington County was either collected at a transfer station, drop-off center, recycling center or collected curb side by a contracted private waste management company.

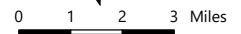
The Glacier Ridge Landfill is owned by Advanced Disposal Services. The landfill had an initial capacity of 3.9 million cubic yards (one cubic yard of compacted landfill averages 1,750 pounds in weight) and was last expanded in 2015 to a capacity of 8.2 million cubic yards. As of the end of 2016 the landfill had a capacity of 7.3 million cubic yards, or an estimated eight additional years of activity at its current capacity and use. The Orchard Ridge Landfill is owned by Waste Management of Wisconsin Inc. The landfill had an initial capacity of 9.4 million cubic yards and was last expanded in 2010 to a capacity of 7.4 million cubic yards. As of the end of 2016, the landfill had a capacity of 1.6 million cubic yards, or an estimated two additional years of

Map 9.8 Communication Towers and Wireless Telecommunication Sites in Washington County: 2017



- ▲ COMMUNICATION TOWER OR WIRELESS TELECOMMUNICATION SITE
- 5 REFERENCE NUMBER (SEE TABLE 9.9)

Note: Due to map scale limitations, locations of towers may be slightly exaggerated where two or more towers are in close proximity to each other.



Source: Federal Communications Commission, Universal Licensing System Cellular License Database, and SEWRPC

**Table 9.9
Communication Towers and Wireless Telecommunication Sites
in Washington County Communities: 2017**

Local Government	Number on Map 9.8	Location	System Type^a	Located in Federal Communications Commission (FCC) Database
City of Hartford	1	T10N, R18E, Section 17	Cellular	No
	2	T10N, R18E, Section 18	Cellular	Yes
	3	T10N, R18E, Section 19	Cellular	No
	4	T10N, R18E, Section 20	Cellular	Yes
	5	T10N, R18E, Section 20	Cellular	No
	6	T10N, R18E, Section 21	Cellular	Yes
	7	T10N, R18E, Section 21	Broadcast	Yes
	8	T10N, R18E, Section 24	Cellular	No
	9	T10N, R18E, Section 27	Cellular	No
City of West Bend	10	T11N, R19E, Section 2	Broadcast	Yes
	11	T11N, R19E, Section 11	Public Safety	Yes
	12	T11N, R19E, Section 11	Cellular	No
	13	T11N, R19E, Section 11	Cellular	No
	14	T11N, R19E, Section 12	Public Safety	Yes
	15	T11N, R19E, Section 12	Personal	Yes
	16	T11N, R19E, Section 14	Cellular	No
	17	T11N, R19E, Section 15	Cellular	No
	18	T11N, R19E, Section 15	Personal	Yes
	19	T11N, R20E, Section 17	Cellular	Yes
	20	T11N, R20E, Section 17	Aviation	Yes
	21	T11N, R19E, Section 24	Cellular	Yes
	22	T11N, R19E, Section 24	Supervisory Control and Data Acquisition	Yes
	23	T11N, R19E, Section 26	Cellular	Yes
	24	T11N, R19E, Section 26	Cellular	Yes
25	T11N, R19E, Section 26	Cellular	Yes	
Village of Germantown	26	T9N, R20E, Section 1	Cellular	Yes
	27	T9N, R20E, Section 15	Cellular	Yes
	28	T9N, R20E, Section 19	Cellular	No
	29	T9N, R20E, Section 20	Cellular	No
	30	T9N, R20E, Section 21	Cellular	No
	31	T9N, R20E, Section 23	Cellular	No
	32	T9N, R20E, Section 32	Supervisory Control and Data Acquisition	Yes
	33	T9N, R20E, Section 36	Cellular	Yes
	34	T9N, R20E, Section 36	Cellular	No
Village of Jackson	35	T10N, R19E, Section 24	Cellular	No
Village of Kewaskum	36	T12N, R19E, Section 9	Cellular	No
	37	T12N, R19E, Section 9	Cellular	No
Village of Newburg	38	T11N, R20E, Section 12	Cellular	Yes
Village of Richfield	39	T9N, R19E, Section 3	Cellular	No
	40	T9N, R19E, Section 13	Cellular	Yes
	41	T9N, R19E, Section 13	Cellular	Yes
	42	T9N, R19E, Section 20	Cellular	No
	43	T9N, R19E, Section 35	Cellular	Yes
Village of Slinger	44	T10N, R19E, Section 6	Cellular	No
	45	T10N, R19E, Section 8	Cellular	Yes
	46	T10N, R19E, Section 8	Cellular	No
	47	T10N, R19E, Section 16	Unknown	Yes
	48	T10N, R19E, Section 18	Cellular	No
Town of Addison	49	T11N, R18E, Section 2	Cellular	Yes
	50	T11N, R18E, Section 12	Cellular	Yes
	51	T11N, R18E, Section 12	Broadcast	Yes
	52	T11N, R18E, Section 12	Broadcast	Yes
	53	T11N, R18E, Section 15	Cellular	No

Table continued on next page.

Table 9.9 (Continued)

Local Government	Number on Map 9.8	Location	System Type^a	Located in Federal Communications Commission (FCC) Database
Town of Addison (continued)	54	T11N, R18E, Section 15	Cellular	No
	55	T11N, R18E, Section 15	Cellular	No
	56	T11N, R18E, Section 23	Cellular	Yes
	57	T11N, R18E, Section 26	Cellular	No
	58	T11N, R18E, Section 31	Cellular	No
Town of Barton	59	T11N, R19E, Section 7	Broadcast	Yes
	60	T11N, R19E, Section 7	Cellular	Yes
	61	T12N, R19E, Section 34	Cellular	Yes
	62	T12N, R19E, Section 34	Cellular	Yes
Town of Erin	63	T9N, R18E, Section 4	Cellular	Yes
	64	T9N, R18E, Section 5	Broadcast	Yes
	65	T9N, R18E, Section 23	Cellular	No
	66	T9N, R18E, Section 33	Cellular	Yes
Town of Farmington	67	T12N, R20E, Section 9	Cellular	Yes
	68	T12N, R20E, Section 28	Cellular	Yes
Town of Hartford	69	T10N, R18E, Section 22	Cellular	Yes
	70	T10N, R18E, Section 25	Supervisory Control and Data Acquisition	Yes
Town of Jackson	71	T10N, R20E, Section 1	Cellular	No
	72	T10N, R20E, Section 1	Cellular	No
	73	T10N, R20E, Section 14	Personal	No
	74	T10N, R20E, Section 17	Broadcast	Yes
	75	T10N, R20E, Section 17	Broadcast	Yes
	76	T10N, R20E, Section 17	Broadcast	Yes
	77	T10N, R20E, Section 17	Cellular	Yes
	78	T10N, R20E, Section 26	Cellular	No
	79	T10N, R20E, Section 28	Cellular	No
Town of Kewaskum	80	T12N, R19E, Section 8	Cellular	No
Town of Polk	81	T10N, R19E, Section 1	Cellular	Yes
	82	T10N, R19E, Section 3	Cellular	Yes
	83	T10N, R19E, Section 13	Cellular	No
	84	T10N, R19E, Section 13	Cellular	No
	85	T10N, R19E, Section 15	Unknown	Yes
	86	T10N, R19E, Section 16	Unknown	Yes
	87	T10N, R19E, Section 20	Freight Carrier	Yes
	88	T10N, R19E, Section 32	Cellular	Yes
	89	T10N, R19E, Section 36	Cellular	Yes
	90	T10N, R19E, Section 36	Cellular	No
Town of Trenton	91	T11N, R20E, Section 14	Cellular	No
	92	T11N, R20E, Section 30	Supervisory Control and Data Acquisition	Yes
	93	T11N, R20E, Section 31	Cellular	Yes
Town of Wayne	94	T12N, R18E, Section 8	Cellular	Yes
	95	T12N, R18E, Section 17	Cellular	No
	96	T12N, R18E, Section 20	Supervisory Control and Data Acquisition	Yes
	97	T12N, R18E, Section 21	Cellular	Yes
	98	T12N, R18E, Section 26	Cellular	Yes
	99	T12N, R18E, Section 28	Cellular	No
Town of West Bend	100	T11N, R19E, Section 30	Cellular	Yes

^a Broadcast – Broadcast services, including: AM/FM terrestrial radio, satellite radio and television, terrestrial television, and cable television.

Cellular – Cellular wireless

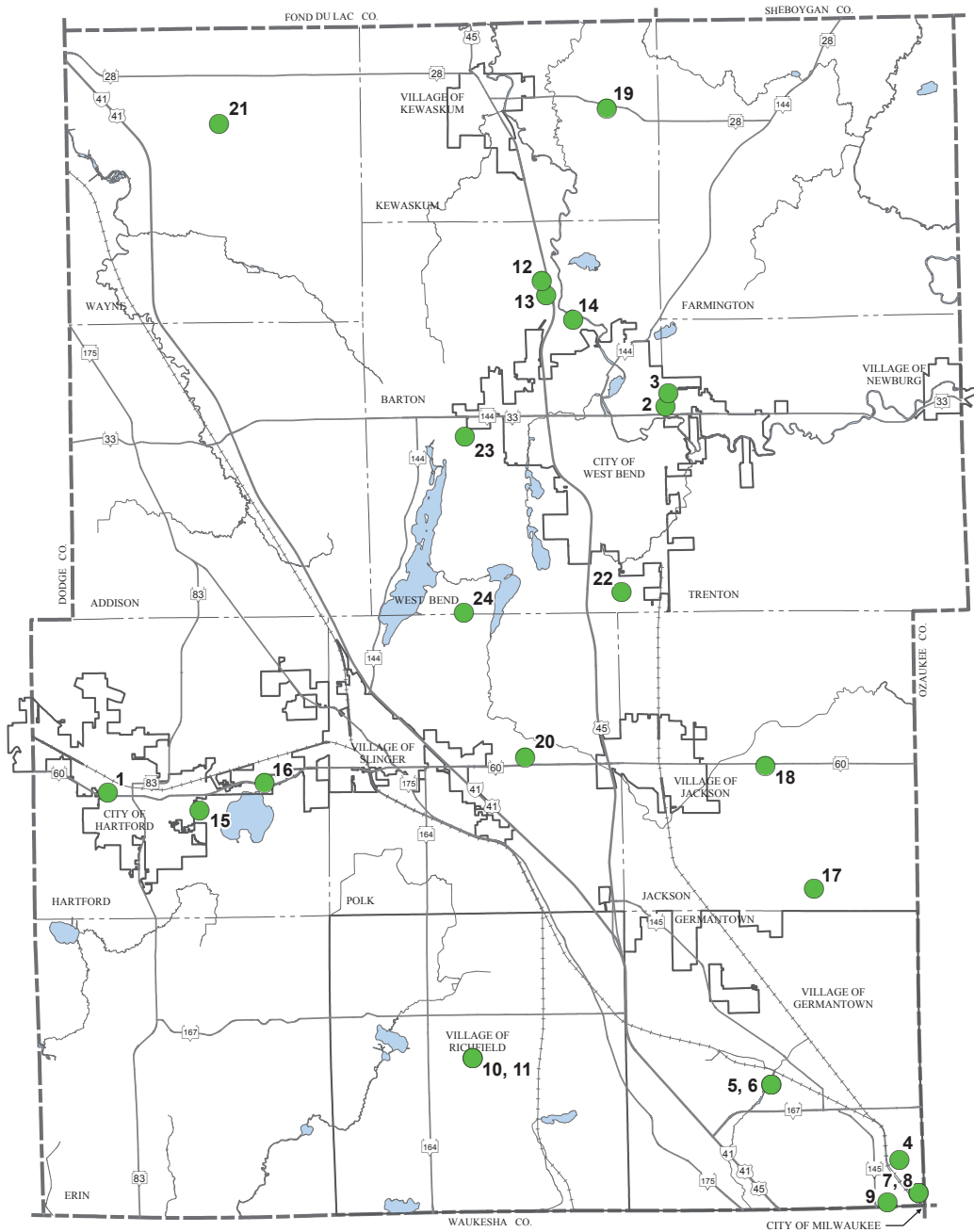
Personal – Personal wireless communication

Public Safety – Law enforcement, fire, emergency medical, or public works communication

Supervisory Control and Data Acquisition – used by electric power, gas, water, wastewater, and other utilities to monitor and manage the operation of geographically dispersed facilities.

Source: Federal Communications Commission, Universal Licensing System Cellular License Database, and SEWRPC

Map 9.9
Solid Waste Disposal Sites in Washington County: 2015



- SOLID WASTE FACILITY
- 5 REFERENCE NUMBER
(SEE TABLE 9.7)



Source: Wisconsin Department of Natural Resources, Washington County, and SEWRPC

Table 9.10
Solid Waste Facilities in Washington County: 2015

Number on Map 9.9	Facility Name	Street Address	Facility Type
1	City of Hartford Recycling Center	710 W. Sumner Street, Hartford	Recycling Center
2	Advanced Disposal Services	803 N River Road, West Bend	Transfer Station
3	American Metal and Paper Recycling, Inc	935 Schoenhaar, West Bend	Recycling Facility
4	Advanced Disposal Services	N104 W13075 Donges Bay Road, Germantown	Transfer Station/Processing Facility
5/6	Germantown Village Compost Site/ Recycling Center	N116 W17230 Main Street, Germantown	Compost Site/Recycling Center
7	Hyponex Corp.	W124 N9899 Wasaukee Road, Germantown	Processing Facility
8	Orchard Ridge RDF Organics Recycling Facility	W124 N9355 Boundary Road, Germantown	Compost Site
9	Waste Management Healthcare Solutions, Inc.	N96 W13600 County Line Road, Germantown	Storage Site
10	Village of Richfield Compost Site	4128 Hubertus Road, Richfield	Compost Site
11	Village of Richfield Recycling Center	1354 Hillside Drive, Richfield	Recycling Center
12	American Paper and Recycling, Inc	7588 Otten Road, Barton	Recycling Facility/Processing Facility
13	American Paper and Recycling, Inc	7651 Otten Drive, Barton	Recycling Facility
14	Town of Barton Recycling Center	7400 Lighthouse Lane, Barton	Drop-off Site/Recycling Center
15	Town of Hartford Recycling Center	3360 CTH K, Hartford	Recycling Center
16	Pallet USA	5840 STH 60 East, Hartford	Recycling Facility/Processing Facility
17	Liesener Soils Compost Facility	1365 Spring Valley Road, Jackson	Compost Site
18	Town of Jackson Recycling Center	3685 Division Road, Jackson	Drop-off Site/Recycling Center
19	Town of Kewaskum Recycling Center	9019 Kettle Moraine Drive, Kewaskum	Drop-off Site/Recycling Center
20	Town of Polk Recycling Center	3680 STH 60, Polk	Recycling Center
21	Town of Wayne Recycling Center	6030 Mohawk Road, Wayne	Drop-off Site/Recycling Center
22	Renewed Resources	2780 CTH NN, West Bend	Processing Facility
23	Town of West Bend Recycling Center	6355 CTH Z, West Bend	Recycling Center
24	Town of West Bend Yard Waste Site	Sleeping Dragon Road, West Bend	Compost Site

Source: Wisconsin Department of Natural Resources, Washington County, and SEWRPC

activity at its current capacity and use. Both landfills will require continuing expansion to accommodate the solid waste produced in Washington County over the County comprehensive plan design period, or new landfills will need to be sited and developed to accommodate solid waste.

9.3 COMMUNITY FACILITIES

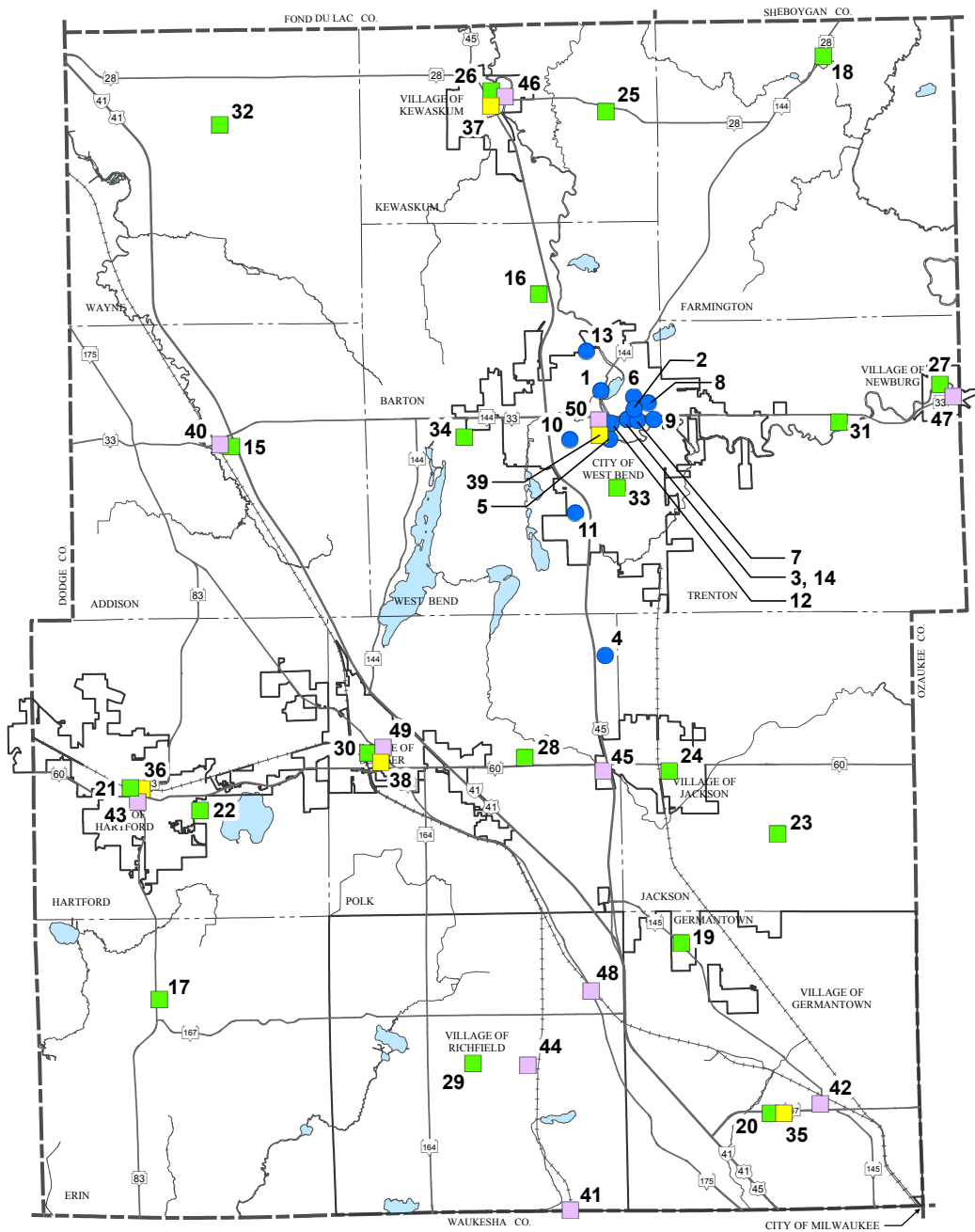
Government and Public Institutional Buildings

Map 9.10 shows the government and institutional buildings in the County as of 2015. These buildings include the County Courthouse and Federal, State, and County offices, municipal halls, libraries, and U.S. post offices. In 2015 there were 19 municipal halls, five libraries, and 11 post offices in the County. Table 9.11 sets forth the name and location of each government and public institutional building. Public facilities providing police, fire, and other emergency services are identified in the following sections.

The Government Center is located at 432 East Washington Street (Washington County Court House) in the City of West Bend and houses County Department offices including:

- Administrator
- County Attorney
- County Board Chairperson
- County Clerk
- County Treasurer
- Finance
- Human Resources
- Purchasing
- Real Property Lister
- Register of Deeds
- Veteran Services

Map 9.10
Government and Public Institutional Buildings in Washington County: 2015



GOVERNMENT AND PUBLIC INSTITUTIONAL BUILDINGS

- REGIONAL OR COUNTY
- MUNICIPAL HALL
- LIBRARY
- POST OFFICE
- 4** REFERENCE NUMBER
(SEE TABLE 9.11)

Source: SEWRPC

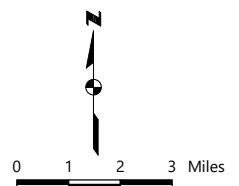


Table 9.11
Government and Institutional Buildings in Washington County: 2015

Number on Map 9.10	Building/Office	Street Address ^a
	Regional or County	
1	Social Security Administration	712 Park Avenue, West Bend
2	Washington County Government/Justice Center	432 E. Washington Street, West Bend
3	Washington County Public Agency Center	333 E. Washington Street, West Bend
4	Washington County Fair Park	3000 CTH PV, West Bend
5	Historical Museum	320 S. Fifth Avenue, West Bend
6	Law Enforcement/Corrections Building	500 N. Schmidt Road, West Bend
7	Samaritan Health Center/Fields of Washington County	531 E. Washington Street, West Bend
8	Washington County Vehicle Maintenance and Storage Facility	900 Lang Street, West Bend
9	Youth Treatment Center	801 E. Washington Street, West Bend
10	Dept. of Corrections Division of Community Corrections	273 S. 17th Avenue, West Bend
11	Department of Transportation Division of Motor Vehicles	1516 W. Paradise Drive, West Bend
12	Office of State Public Defender	155 N. Main Street, West Bend
13	Workforce Development Center	2200 Green Tree Road, West Bend
14	U.S. Department of Agriculture	333 E. Washington Street, West Bend
	Community	
15	Addison Town Hall	127 1st Street, Allenton
16	Barton Town Hall	3482 Town Hall Road, Kewaskum
17	Erin Town Hall	1846 STH 83, Hartford
18	Farmington Town Hall	9422 STH 144, Kewaskum
19	Germantown Town Office	W188 N13515 Maple Road, Richfield ^b
20	Germantown Village Hall	N112 W17001 Mequon Road, Germantown
21	Hartford City Hall	109 N. Main Street, Hartford
22	Hartford Town Hall	3360 CTH K, Hartford
23	Jackson Town Hall	3146 Division Road, Jackson
24	Jackson Village Hall	N168 W20733 Main Street, Jackson
25	Kewaskum Town Hall	9019 Kettle Moraine Drive, Kewaskum
26	Kewaskum Village Hall	204 1st Street, Kewaskum
27	Newburg Village Hall	614 Main Street, Newburg
28	Polk Town Hall	3680 STH 60, Slinger
29	Richfield Village Hall	4128 Hubertus Road, Hubertus
30	Slinger Village Hall	300 Slinger Road, Slinger
31	Trenton Town Hall	1071 STH 33 E, Newburg
32	Wayne Town Hall	6030 Mohawk Road, Campbellsport
33	West Bend City Hall	1115 S. Main Street, West Bend
34	West Bend Town Hall	6355 CTH Z, West Bend
	Libraries	
35	Germantown Community Library	N112 W16879 Mequon Road, Germantown
36	Hartford Public Library	109 N. Main Street, Hartford
37	Kewaskum Public Library	204 1st Street, Kewaskum
38	Slinger Public Library	220 Slinger Road, Slinger
39	West Bend Community Memorial Library	320 E. 6th Avenue, West Bend
	U.S. Post Offices	
40	Allenton	301 1st Street, Allenton
41	Colgate	3392 CTH Q, Richfield
42	Germantown	W156 W11301 Pilgrim Road, Germantown
43	Hartford	45 E. Wisconsin, Hartford
44	Hubertus	3695 Hubertus Road, Richfield
45	Jackson	N168 W20580 Main Street, Jackson
46	Kewaskum	347 Main Street, Kewaskum
47	Newburg	440 Main Street, Newburg
48	Richfield	1925 STH 175, Richfield
49	Slinger	350 E. Washington Street, Slinger
50	West Bend	607 Elm Street, West Bend

^a The street address reflects the mailing address of the building, which may differ from the local unit of government in which the building is located.

^b The Town of Germantown office is the home of the Town Clerk. Town meetings are held at the Riteway Bus Company at the intersection of Cedar Lane and State Trunk Highway 145. The Riteway Bus Company location is shown on Map 9.10.

Source: Washington County, Town of Germantown, and SEWRPC

The Public Agency Center is located at 333 East Washington Street in the City of West Bend and also houses County Department offices including:

- Community Services
- Social Services
- Health
- UW Extension
- Planning and Parks
- Mental Health
- Aging and Disability Resource Center

Other County facilities include the Samaritan Health Center, the Fields of Washington County, and the Youth Treatment Center, all located in the City of West Bend. In addition, the County Vehicle Maintenance and Storage Facility is located at 900 Lang Street in the City of West Bend and houses the County Highway Department Offices and highway construction and road maintenance equipment, and the Planning and Parks Department vehicles and equipment.

Washington County also owns and maintains the Fair Park located along USH 45 in the Town of Polk. Washington County Fair Park includes a multipurpose 42,000 square-foot pavilion, agricultural and equestrian complexes, and amphitheater entertainment areas. The Fair Park provides residents and visitors access to a year-round, full service, multi-purpose activity center that provides a wide range of educational, cultural, social and economic opportunities.

The five-year Capital Improvement Plan (CIP) is a study of Washington County's capital spending requirements, needs, desires, and policy intentions. Providing necessary information for annual budget recommendations, the CIP assesses the County's anticipated capital improvements over a period of five years, anticipating revenues and expenditures for analytical purposes. The CIP does not have the legal standing of the annual budget, but is a planning tool that provides a collection of facts, trends, and suggestions that outline the fiscal requirements and priorities for preserving the County's capital assets. Future facility improvements and land acquisition by the County should continue to be identified through the CIP process, which serves a valuable planning tool. The Washington County website provides updates regarding County facilities and services.

Police Services

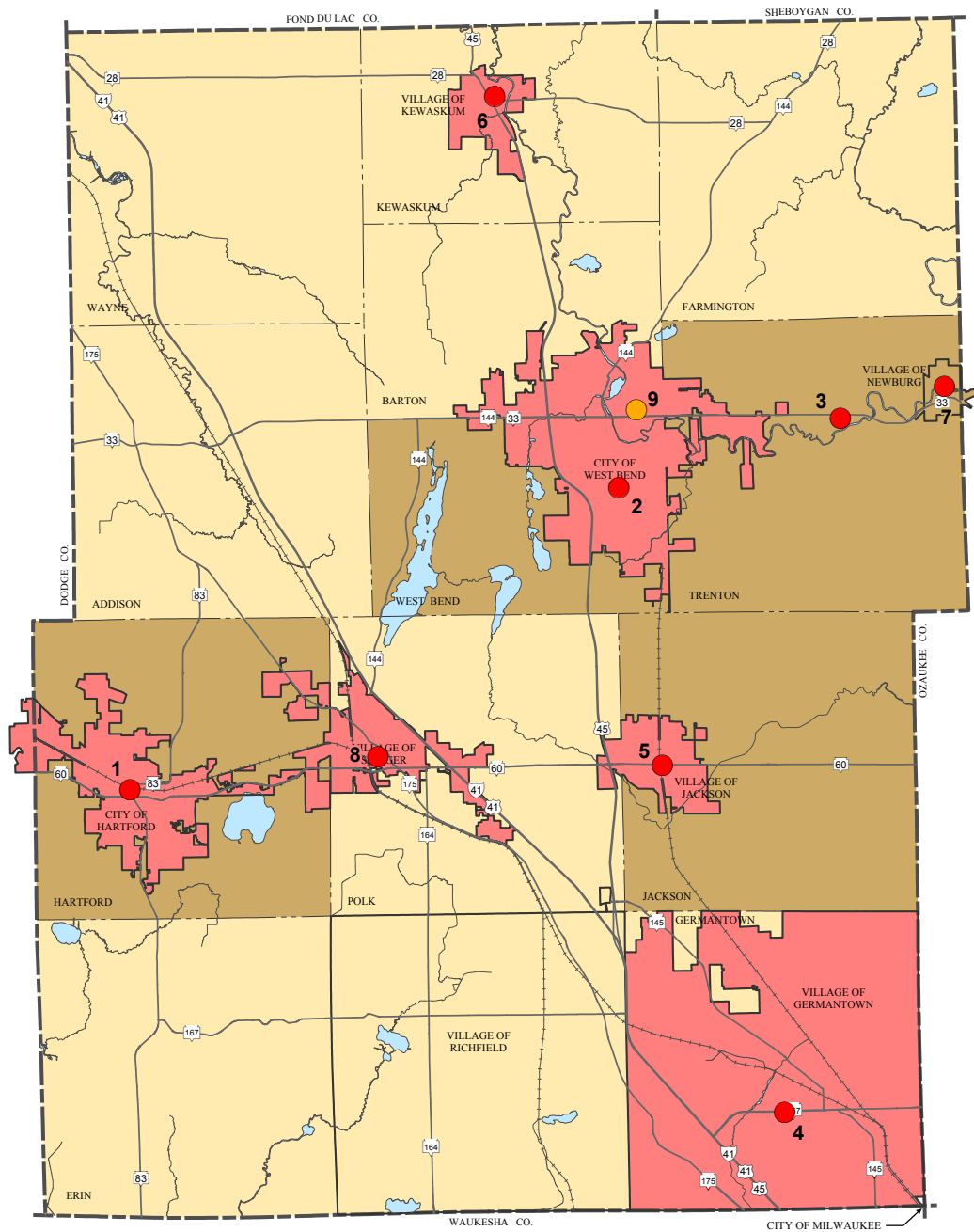
Map 9.11 shows the locations of municipal police department facilities and protection service areas in the County and the Washington County Sheriff's Department facilities. The Cities of Hartford and West Bend and the Villages of Germantown, Jackson, Kewaskum, and Slinger each have a municipal police department that provides service 24 hours a day, seven days a week. The Village of Newburg and the Town of Trenton Police Departments hours vary and do not operate 24 hours a day, seven days a week. The Washington County Sheriff's Department provides service to these areas when the municipal police departments are not operating. The Sheriff's Department is also the primary answering point for emergency calls made from cell phones. Table 9.12 sets forth the number of full and part-time officers employed by each municipal police department and the County Sheriff's Department as of 2015. All unincorporated areas in the County and the Village of Richfield are served by the Washington County Sheriff's Department.



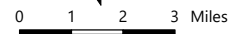
The Cities of Hartford and West Bend and the Villages of Germantown, Jackson, Kewaskum, and Slinger each have a municipal police department that provides service 24 hours a day, seven days a week.

Each municipal police department should conduct periodic needs assessment studies through the comprehensive plan design year 2050 to determine if the department has sufficient officers, equipment, and facilities to adequately protect the communities they serve. Communities and departments should also assess existing and potential shared-service agreements.

Map 9.11
Police Stations and Service Areas in Washington County: 2015



- CITY, VILLAGE, OR TOWN POLICE STATIONS
- WASHINGTON COUNTY SHERIFF'S DEPARTMENT
- 4** REFERENCE NUMBER (SEE TABLE 9.12)
- AREA SERVED BY LOCAL POLICE DEPARTMENT
- AREA SERVED BY LOCAL POLICE AND WASHINGTON COUNTY SHERIFF'S DEPARTMENT
- AREA SERVED BY WASHINGTON COUNTY SHERIFF'S DEPARTMENT



Source: Washington County and SEWRPC

Table 9.12
Police Departments and Protection Service Areas in Washington County: 2015

Number on Map 9.11	Police Departments	Full-Time Sworn Officers ^a	Part-Time/Reserve Sworn Officers
1	City of Hartford	25	0
2	City of West Bend	55	0
3	Town of Trenton	0	7
4	Village of Germantown	32	0
5	Village of Jackson	11	0
6	Village of Kewaskum	8	0
7	Village of Newburg	0	5
8	Village of Slinger	11	0
9	Washington County Sheriff's Department	71	24 ^b

^a Totals do not include support service or dispatch personnel/communication officers.

^b These are part-time deputies that work only once or twice a year for transporting or special events.

Source: Washington County and SEWRPC

The Washington County Sheriff's Department should continue to produce an annual report and conduct needs assessment studies through the comprehensive plan design year 2050 to determine if personnel in its various divisions are adequate to serve County residents. Divisions in the Sheriff's Department include the Corrections Division, Patrol Division, Detective Division, Courthouse Security Services Unit, Communications Division, and Clerical Support. Equipment and facilities should be monitored to ensure they are adequate to serve County residents. The Sheriff's Department and the County jail are located at 500 North Schmidt Road (Law Enforcement/Corrections Building) and the Justice Center and Government Center are located at 432 East Washington Street (Washington County Court House) in the City of West Bend. The Sheriff's Department shares the building with the County jail and the Government and Justice Centers. The County jail includes 321 adult jail beds and 26 juvenile jail beds. The Justice Center includes the Courthouse, four Branches of Court, the Clerk of Courts, Child Support, District Attorney, Family Court, Jury Assembly, and the Register in Probate/Clerk of Juvenile Court.



All unincorporated areas in the County and the Village of Newburg are served by the Washington County Sheriff's Department.

Recommendations for the Sheriff's Department identified in the Washington County Capital Improvement Program (CIP) for 2017 to 2021 include the replacement of the County radio system and replacement of the County jail video surveillance system.

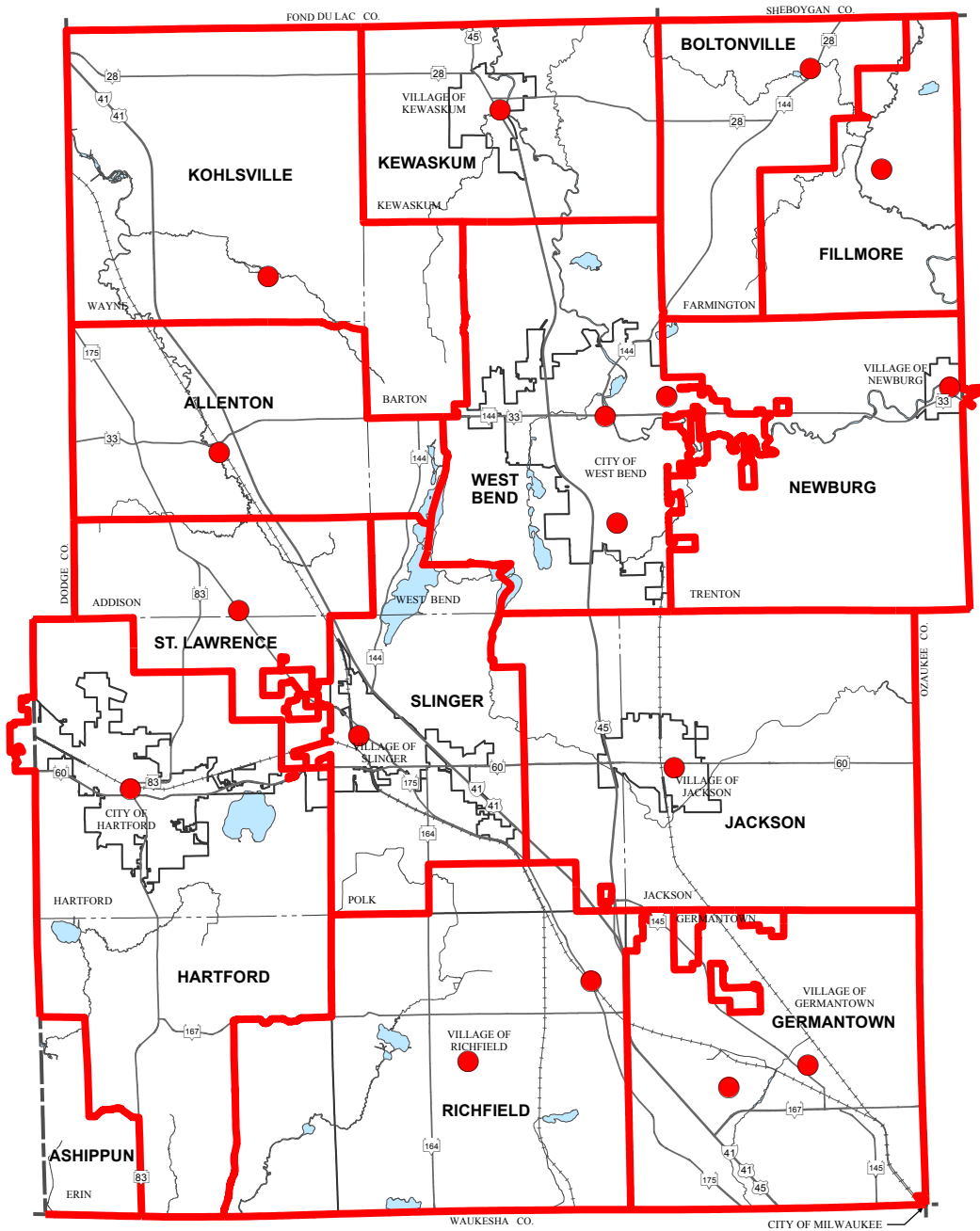
Fire Protection Services

Map 9.12 shows the locations of local fire departments, all affiliated fire stations, and the fire protection service area of each department in 2015. There were 14 fire departments serving the County in 2015, which are listed on Table 9.13. The table presents the number of full time, paid on-call, and volunteer firefighters in each department and the area served by each department. Many fire department personnel are cross-trained to provide both firefighting, emergency medical, and/or hazardous materials handling. In addition, most fire and emergency service agencies have mutual aid agreements in place if additional equipment or personnel are needed to respond to an emergency.

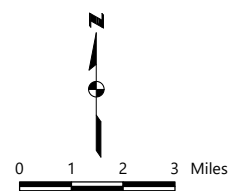


There were 14 fire departments serving the County in 2015.

Map 9.12
Fire Stations and Service Areas in Washington County: 2015



- FIRE STATION
- SERVICE AREA BOUNDARY



Source: Washington County and SEWRPC

Table 9.13
Fire Departments and Fire Protection Service Areas in Washington County: 2015

Fire Departments	Service Zone Area (acres)	Paid Fire Department Employees	Paid On Call Fire Fighters	Fire Department Volunteers^a
Allenton Volunteer Fire Department	17,166	--	--	45
Ashippun Volunteer Fire Department ^b	3,773	--	--	37
Boltonville Volunteer Fire Department	12,204	--	--	40
Fillmore Fire Department	11,338	--	--	35
Germantown Fire Department	22,015	4 full time	30-35	--
Hartford Fire Department	33,170	8 full time	55-60	--
Jackson Fire Department	30,829	3 full time, 2 part time	35	--
Kewaskum Fire Department	15,582	1 full time	54	--
Kohlsville Fire Department	28,087	--	--	35
Newburg Volunteer Fire Department	21,571	--	--	58
Richfield Volunteer Fire Department	31,671	3 full time	--	60
Slinger Volunteer Fire Department	16,778	--	--	50
St. Lawrence Volunteer Fire Department	11,850	--	--	42
West Bend Fire Department	23,104	40 full time	--	--

^a Totals include active volunteer fire fighters and emergency medical service personnel.

^b The Ashippun Volunteer Fire Department is in the Town of Ashippun in Dodge County. The Department serves the southwestern portion of the Town of Erin.

Source: Washington County and SEWRPC

Service standards for fire stations and equipment are developed by the National Fire Protection Association (NFPA). The NFPA has developed separate standards for career fire departments, which are staffed completely by full-time personnel; and volunteer departments, which are staffed by volunteers or paid-on-call personnel, or a combination of full-time and volunteer/paid-on-call personnel. For volunteer/combination departments, the response times recommended by the NFPA vary depending on the population density of the area served. In urban areas (areas with a population density of more than 1,000 people per square mile), the NFPA recommends a response time nine minutes or less between the completion of the dispatch notification and arrival at a fire. In suburban areas (areas with a population density between 500 and 1,000 people per square mile), a 10-minute response time is recommended, and in rural areas (areas with a population density of less than 500 people per square mile), a 14-minute response time is recommended. For career departments, a response time of four minutes or less for the arrival of the first arriving engine company at a fire, plus a one-minute "turnout" time is recommended. The "turnout" time is defined as the time beginning when units acknowledge notification of an emergency incident to the time when travel to the incident begins.

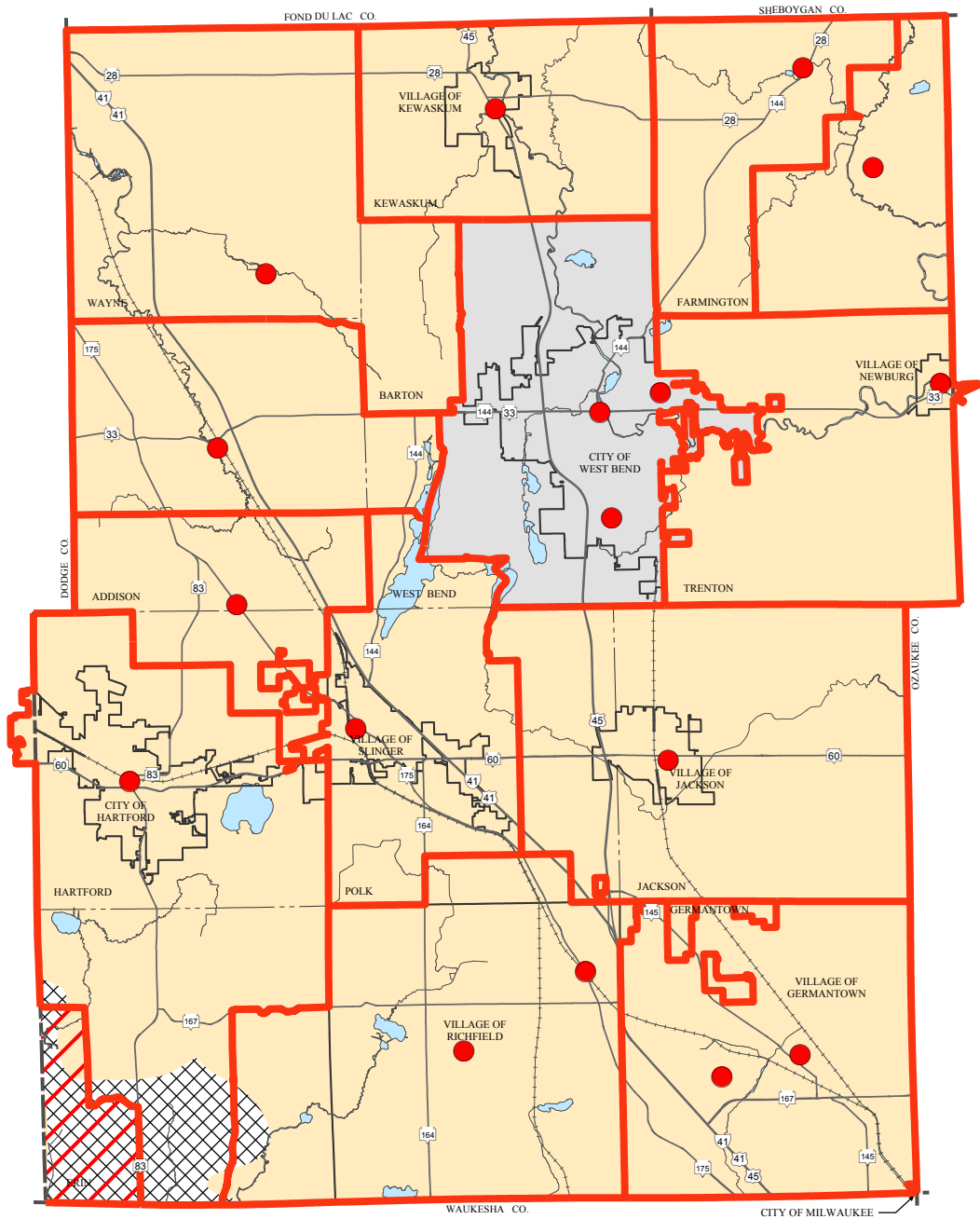
An analysis of response times for departments in the County is shown on Maps 9.13 and 9.14. That analysis was conducted by SEWRPC using transportation modeling software. Most of the County is located within a 10-minute response area of a volunteer/combination department or within a five-minute response area of a career department. Each fire department should conduct periodic needs assessment studies through the comprehensive plan design year 2050 to determine if the department has sufficient fire-fighters, equipment, water supply, and facilities to adequately protect the communities they serve, keeping in mind the County population is expected to increase over the comprehensive plan design period. Communities and fire departments should also assess the need for professional personnel versus volunteer or paid-on-call personnel and the use of existing and potential shared-service agreements.

Emergency Medical Services

In 2015, there were 33 emergency medical service (EMS) zones served by 14 EMS departments in Washington County. In addition, the southwestern portion of the Town of Erin was served by the Town of Ashippun 1st Response, located in Dodge County. Department service areas are shown on Map 9.15 and service zones and corresponding departments are listed in Table 9.14. Each department should conduct periodic needs assessment studies through the comprehensive plan design year 2050 to determine if the department has sufficient personnel, equipment, and facilities to adequately protect the communities they serve as the County population increases over the comprehensive plan design period. Communities and departments should also assess existing and potential shared-service agreements.

Map 9.13

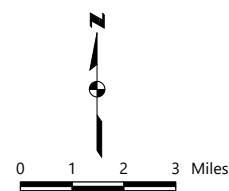
10- and 14-Minute Response Time Coverage Volunteer and Combination Fire Departments: 2015



- FIRE STATION
- FIRE DISTRICT BOUNDARY
- 10-MINUTE RESPONSE AREA WITHIN DISTRICT BOUNDARY
- 14-MINUTE RESPONSE AREA WITHIN DISTRICT BOUNDARY
- SERVICE PROVIDED BY THE ASHIPGUN FIRE DEPARTMENT LOCATED IN DODGE COUNTY

COMMUNITY SERVED BY CAREER FIRE DEPARTMENT

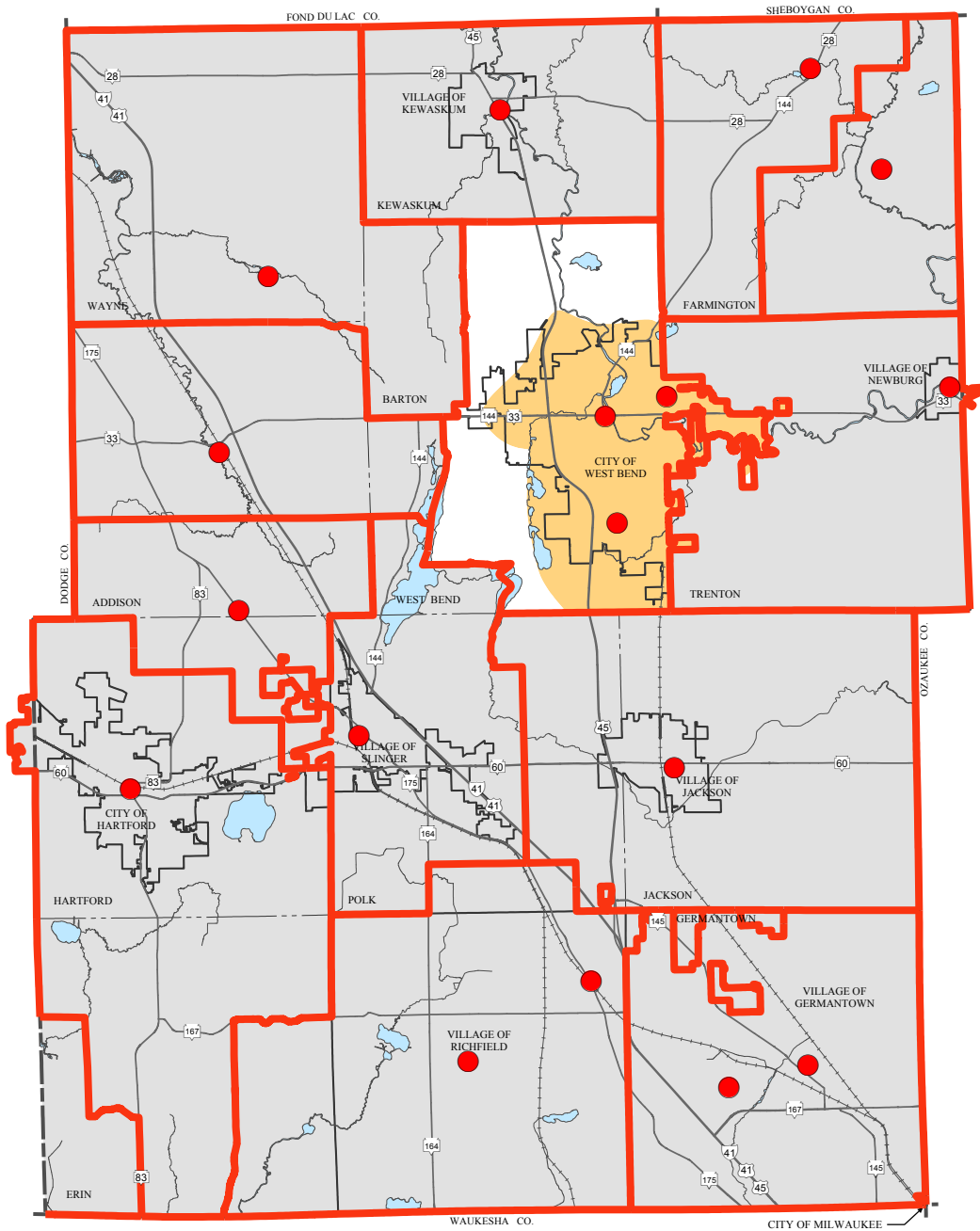
Note: The Ashippun fire station closest to the Town of Erin is located at the intersection of County Trunk Highways "O" and "P," about two miles west of the Dodge-Washington County line.



Source: Washington County and SEWRPC

Map 9.14

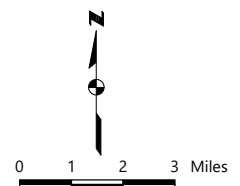
Fire Station Five-Minute Response Time Coverage Areas for Career Fire Departments: 2015



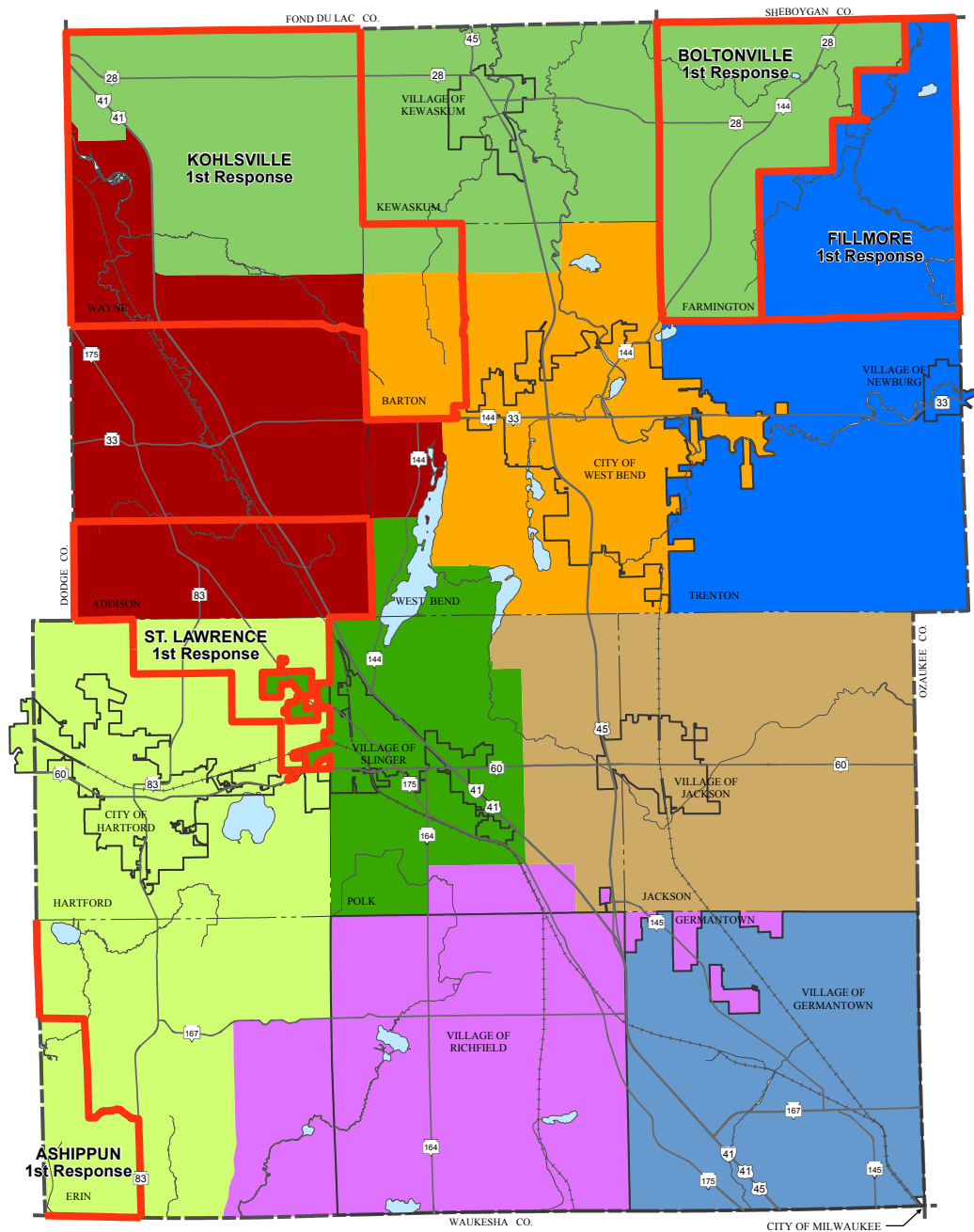
- FIRE STATION
- FIRE DISTRICT BOUNDARY
- FIVE-MINUTE RESPONSE AREA WITHIN DISTRICT BOUNDARY
- COMMUNITY SERVED BY VOLUNTEER OR COMBINATION FIRE DEPARTMENT







Note: Response time includes a one-minute "turn-out" time and a four-minute travel time in communities served by a career fire department (City of West Bend).

Source: Washington County and SEWRPC



Map 9.15
Emergency Medical Service Areas in Washington County: 2015



- | | | | |
|---|--|---|------------------|
|  | FIRST RESPONSE SERVICE AREA BOUNDARIES |  | KEWASKUM RESCUE |
|  | ALLENTON RESCUE |  | LIFESTAR RESCUE |
|  | GERMANTOWN RESCUE |  | NEWBURG RESCUE |
|  | HARTFORD RESCUE |  | RICHFIELD RESCUE |
|  | JACKSON RESCUE |  | WEST BEND RESCUE |

Source: Washington County and SEWRPC

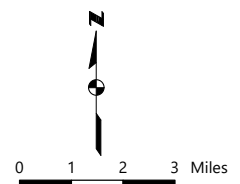


Table 9.14
Emergency Medical Services in Washington County: 2015

EMS – Rescue Department Service Zones	Service Zone Area (acres)
City of Hartford Hartford Fire Department/Rescue	4,891
City of West Bend West Bend Fire Department/Rescue	9,767
Village of Germantown Germantown Fire Department/ Rescue	22,015
Village of Jackson Jackson Fire Department/Rescue	2,003
Village of Kewaskum Kewaskum Fire Department/Rescue	1,465
Village of Newburg Newburg Fire Department/Rescue	522
Village of Richfield Richfield Fire Department/Rescue	23,324
Village of Slinger Slinger Fire Department/Lifestar EMS	3,367
Town of Addison Allenton Fire Department/Rescue	15,305
St. Lawrence Fire Department/Allenton and St. Lawrence Rescue	7,756
Town of Barton West Bend Fire Department/Kewaskum Rescue	1,290
Kohlsville Fire Department/Kewaskum and Kohlsville Rescue	1,295
West Bend Fire Department/West Bend Rescue	5,960
Kohlsville Fire Department/West Bend and Kohlsville 1st Response	3,830
Town of Erin Ashippun Fire Department/Hartford and Ashippun 1st Response	3,773
Hartford Fire Department/Rescue	14,095
Richfield Fire Department/Rescue	5,265
Town of Farmington Boltonville Fire Department/Kewaskum/Boltonville Fire and Rescue	12,203
Fillmore Fire Department/Newburg Rescue/Fillmore Fire and Rescue	11,339
Town of Germantown Richfield Fire Department/Rescue	1,165
Town of Hartford Hartford Fire Department/Rescue	13,846
St. Lawrence Fire Department/Hartford and St. Lawrence Rescue	4,093
Town of Jackson Jackson Fire Department/Rescue	21,609
Town of Kewaskum Kewaskum Fire Department/Rescue	14,116
Town of Polk Jackson Fire Department/Rescue	7,216
Richfield Fire Department/Rescue	1,917
Slinger Fire Department/Lifestar EMS	10,961
Town of Trenton Newburg Fire Department/Rescue	20,984
Town of Wayne Kohlsville Fire Department/Allenton and Kohlsville Rescue	6,888
Kohlsville Fire Department/Kewaskum and Kohlsville Rescue	16,016
Town of West Bend Allenton Fire Department/Rescue	1,917
Slinger Fire Department/Lifestar EMS	2,450
West Bend Fire Department/Rescue	6,101

Source: Washington County and SEWRPC

In addition, rescue services are also provided by the Washington County Dive Rescue and Recovery Team. The team is coordinated by the Washington County Sheriff's Department and consists of trained personnel from the County Sheriff's Department and local fire departments. Washington County should continue to support a County Dive Rescue and Recovery Team because of the numerous lakes located in the County and the heavy volume of seasonal recreational activities at the lakes.

Public Safety Answering Points

There are four Public Safety Answering Points (PSAP) in Washington County taking emergency calls 24 hours a day. A county wide PSAP is operated by the Washington County Sheriff's Department. The other three PSAP's are operated by the Cities of Hartford and West Bend and Village of Germantown Police Departments and serve areas within their own municipal boundaries. These centers handle calls pertaining to fire, police, and public works (sewer/water) emergencies. The City of Hartford Dispatch Center also handles calls related to its electric utility. Washington County should continue to provide the countywide Public Safety Answering Point operated by the Sherriff's Department for emergency dispatch services outside the Cities of Hartford and West Bend and the Village of Germantown.

Libraries

Washington County is served by five public libraries, which are part of the Monarch Library System.⁸¹ Libraries are located in the Cities of Hartford and West Bend and the Villages of Germantown, Kewaskum, and Slinger and serve all residents of Washington County. Each library is also part of an interlibrary loan and reference referral system that includes all libraries in the Monarch Library System. Each library is funded by the local government in which it is located. The libraries of the Monarch Library System had a shared catalog of over 1.1 million holdings in 2016. Washington County contracts with each library to provide library services to County residents living in communities without a municipal library. Due to the passage of 2005 Wisconsin Act 420 in 2006, Washington County reimburses libraries outside the County for services provided to Washington County residents. Similarly, libraries in Washington County receive funding from adjacent Counties whose residents use Washington County libraries.



Washington County is served by five public libraries, which are part of the Monarch Library System.

A plan for library service in Washington County was undertaken by the Strategic Plan Committee and staff of the Monarch Library System. In December 2016, the Strategic Plan Committee adopted the Monarch Library System Long Range Plan for 2017 to 2019. Several goals and objectives for providing library service to the Monarch Library System and Washington County residents were reviewed during the planning process. Goals and objectives in the plan were outlined for the following services:

- Automation and technology support – maintain technology within the libraries and maintain reliable connections to resources available via the Internet
- Resource sharing – provide access to resource sharing by interlibrary loan facilitation, van service, and other forms of information sharing, support the participation in statewide electronic resource sharing, and provide access to system managed shared materials
- Member support – provide the opportunity to apply for and receive system funded grants, provide adequate training for library board trustees, provide training opportunities to improve communication and cooperation, provide access to materials that promote system wide and local services, provide access to youth service support that enhance local programming, and continue to notify staff members of continuing education opportunities and topics

⁸¹ *The Mid-Wisconsin Federated Library System merged with the Eastern Shores Library System to create the Monarch Library System in 2016. The Monarch Library System includes 31 public libraries located in Washington, Dodge, Ozaukee, and Sheboygan Counties.*

The Monarch Library System Board uses the plan as a guide in local planning and budgeting activities of member libraries, including the five libraries in Washington County. Washington County should continue to revisit the plan in five year increments through the comprehensive plan design year 2050 to determine various demands on public libraries in the County.

Public and Private Schools

There were 36 public schools in five public high school districts and 26 private schools in the County in 2016. There were also two institutions of higher learning in the County, including Moraine Park Technical College, which has campuses in Hartford and West Bend,⁸² and the University of Wisconsin-Washington County (a University of Wisconsin freshman and sophomore campus). Map 9.16 shows the location of public and private schools and colleges and universities in the County in 2016, and the boundaries of public high school districts. Two of the school districts extend outside the County (Hartford Union High School and Kewaskum). A portion of the Town of Jackson is in the Cedarburg High School District, which extends westward from Ozaukee County, and the portion of the Village of Newburg in Ozaukee County is in the Northern Ozaukee High School District. In addition, Hartford Union High School District boundaries include the Erin, Friess Lake, Hartford J1, Richfield J1, and Rubicon J6 School Districts, which operate elementary and middle schools.



There were 36 public schools in five public high school districts and 26 private schools in the County in 2016.

Table 9.15 lists the location and grades served for primary and secondary schools, the location of colleges and universities, and the enrollment at each school. A total of 19,984 students were enrolled in public elementary and high schools and 3,439 students were enrolled in private elementary and high schools in the 2015-2016 school year. An additional 665 students, including middle and high school students, were home schooled during the 2015-2016 school year.

School districts within the County typically prepare facilities plans, which include needs assessments for new facilities and land, based on development statistics received from the local governments they serve and population projection data from agencies such as SEWRPC and the Wisconsin Department of Administration (DOA). SEWRPC projections anticipate that the number of County residents under the age of 20 will increase from about 35,000 in 2010 to about 45,000 in 2050. This increase may require the expansion of existing schools buildings or the construction of new school buildings. In addition, some older school buildings within the County may require replacement as the facility becomes antiquated.

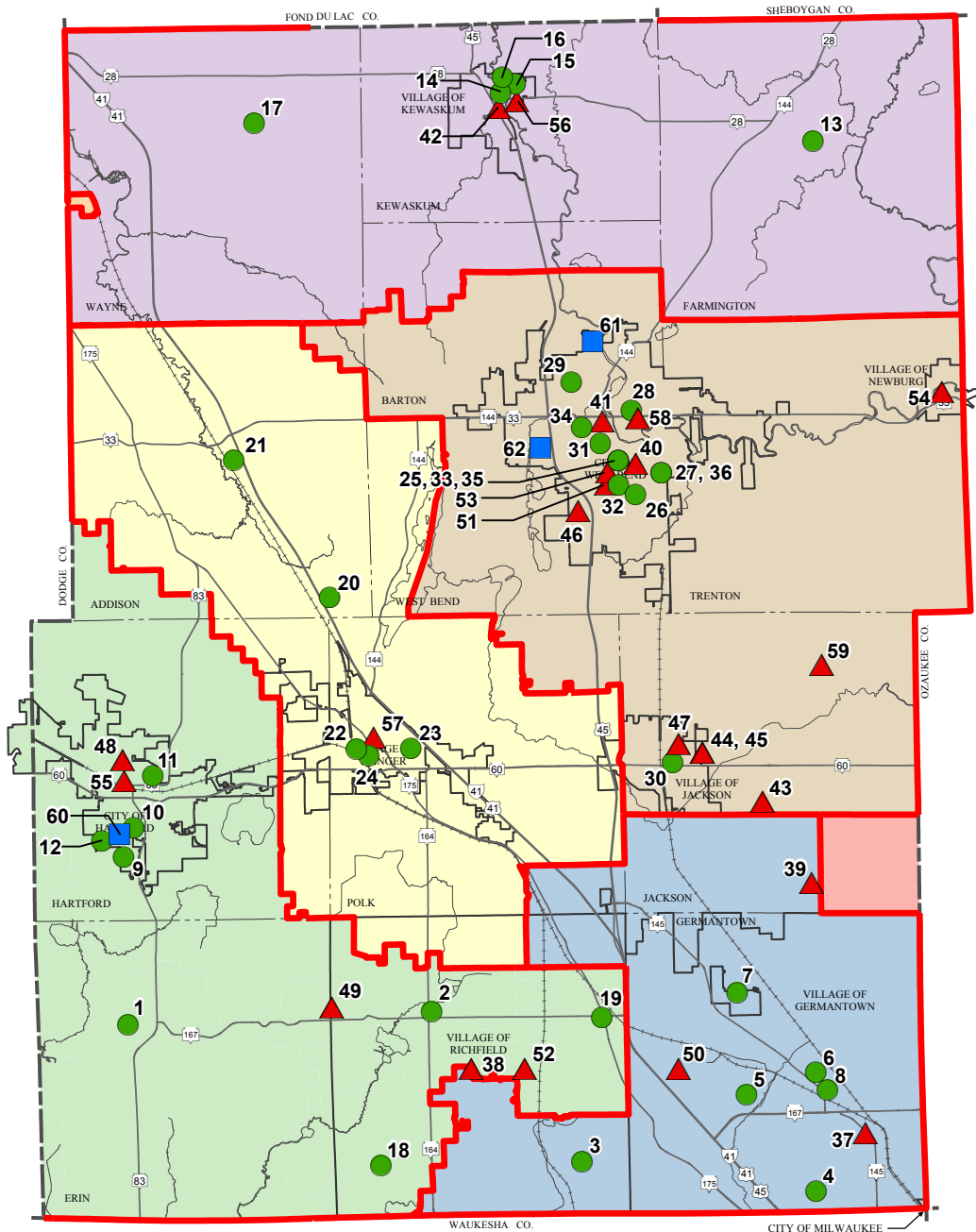
The West Bend School District and the Hartford Joint No.1 School District are the only districts that have prepared a facilities plan to date. The West Bend School District plan⁸³ sets forth goals for district schools, which include providing safe and secure facilities, addressing existing aging facilities, population growth of school-aged residents, providing a quality educational experience, and energy and operational efficiency. Recommendations in the plan include:

- Closing Jackson and Barton Elementary schools
- Renovation and additional classroom space at Decorah, Fair Park, Green Tree, and McLane Elementary schools
- Conversion of Silverbrook Middle School to a 600-student elementary school

⁸² In addition to the campuses in Washington County, Moraine Park Technical College also has campuses in the City of Fond du Lac and Ripon in Fond du Lac County, and the City of Beaver Dam in Dodge County.

⁸³ Document titled, *25-Year Facility Plan, November, 2011, prepared by the West Bend Board of Education.*

Map 9.16
Public and Private Schools and Public High School Districts in Washington County: 2016

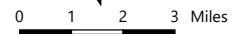


HIGH SCHOOL DISTRICTS

- CEDARBURG
- GERMANTOWN
- HARTFORD UNION HIGH SCHOOL
- KEWASKUM
- LOMIRA
- SLINGER
- WEST BEND
- HIGH SCHOOL DISTRICT BOUNDARY

SCHOOL TYPES

- PUBLIC
- PRIVATE
- COLLEGE/UNIVERSITY
- 25** REFERENCE NUMBER (SEE TABLE 9.15)



Source: Wisconsin Department of Public Instruction, Washington County, and SEWRPC

**Table 9.15
Public and Private Schools and School Districts in Washington County: 2016**

Public Schools				
Number on Map 9.16	School	Grades ^a	Enrollment ^b	Street Address ^c
1	Erin School District Erin Elementary School	PK-8	358	6901 CTH O, Hartford (Town of Erin)
2	Friess Lake School District Friess Lake School	PK-8	191	1750 STH 164, Hubertus (Village of Richfield)
3	Germantown School District Amy Belle Elementary School	PK-5	411	3294 Willow Creek Road, Colgate (Village of Richfield)
4	County Line Elementary School	PK-5	505	W159 N9939 Butternut Road, Germantown
5	Germantown High School	9-12	1,410	W180 N11501 River Lane, Germantown
6	Kennedy Middle School	6-8	877	W160 N11836 Crusader Court, Germantown
7	Rockfield Elementary School	K-5	336	N132 W18473 Rockfield Road, Germantown
8	MacArthur Elementary School	PK-5	392	W154 N11492 Fond Du Lac Avenue, Germantown
9	Hartford J1 Public Schools Central Middle School	6-8	523	1100 Cedar Street, Hartford
10	Lincoln Elementary School	PK-5	580	755 S. Rural Street, Hartford
11	Rossman Elementary School	PK-5	678	600 Highland Avenue, Hartford
12	Hartford UHS School District Hartford High School	9-12	1,401	805 Cedar Street, Hartford
13	Kewaskum School District Farmington Elementary School	PK-5	215	8736 Boltonville Road, Kewaskum (Town of Farmington)
14	Kewaskum Elementary School	PK-5	513	1415 Bilgo Lane, Kewaskum
15	Kewaskum Middle School	6-8	415	1510 Bilgo Lane, Kewaskum
16	Kewaskum High School	9-12	605	1676 Reigle Drive, Kewaskum
17	Wayne Elementary School	PK-5	99	W5760 County Road H, Campbellsport
18	Richfield J1 School District Plat Elementary School	PK-2	156	4908 Monches Road, Colgate (Village of Richfield)
19	Richfield Elementary School	3-8	273	3117 Holy Hill Road, Richfield
-- ^d	Rubicon J6 School District Saylesville Consolidated School	K-8	72	N3501 CTH P, Rubicon
20	Slinger School District Addison Elementary School	PK-5	458	5050 Indian Road, Hartford
21	Allenton Elementary School	PK-5	376	228 Weis Street, Allenton (Town of Addison)
22	Slinger Elementary School	PK-5	619	203 Polk Street, Slinger
23	Slinger Middle School	6-8	687	521 Olympic Drive, Slinger
24	Slinger High School	9-12	1,020	209 Polk Street, Slinger
25	West Bend School District Badger Middle School	6-8	980	710 S. Main Street, West Bend
26	Decorah Elementary School	PK-5	450	1225 Sylvan Way, West Bend
27	East High School	9-12	1,152	1305 E. Decorah Road, West Bend
28	Fair Park Elementary School	PK-5	412	519 N. Indiana Avenue, West Bend
29	Green Tree Elementary School	K-5	455	1330 Green Tree Road, West Bend
30	Jackson Elementary School	K-5	402	W204 N16850 Jackson Drive, Jackson
31	McLane Elementary School	K-5	532	833 Chestnut Street, West Bend
32	Pathways Charter School	7-11	79	1043 S. Main Street, West Bend
33	Rolf's Early Childhood Center	PK	85	737 S. 3rd Avenue, West Bend
34	Silverbrook Middle School	6-8	974	120 N. Silverbrook Drive, West Bend
35	Washington County Head Start	PK	138	735 S. Main Street, West Bend
36	West High School	9-12	1,155	1305 E. Decorah Road, West Bend
Private Schools				
Number on Map 9.16	School	Grades ^a	Enrollment ^b	Street Address ^c
37	Bethlehem Evangelical Lutheran School	PK-4	232	N108 W14290 Bel Aire Lane, Germantown
38	Crown of Life Evangelical Lutheran School	PK-8	74	1292 Tally Ho Trail, Hubertus (Village of Richfield)
39	David's Star Evangelical Lutheran School	PK-8	143	2750 David's Star Drive, Jackson
40	Good Shepherd Lutheran School	PK-8	247	777 Indiana Avenue, West Bend
41	Holy Angels School	PK-8	279	230 N. 8th Avenue, West Bend

Table continued on next page.

Table 9.15 (Continued)

Private Schools				
Number on Map 9.16	School	Grades ^a	Enrollment ^b	Street Address ^c
42	Holy Trinity Catholic School	PK-8	113	305 Main Street, Kewaskum
43	Kettle Moraine Lutheran High School	9-12	403	3399 Division Road, Jackson
44	Living Word Child Development Center	PK	20	2240 Living Word Lane, Jackson
45	Living Word Lutheran High School	9-12	168	2230 Living Word Lane, Jackson
46	Montessori Children House West School	PK-K	72	1701 Vogt Drive, West Bend
47	Morning Star Lutheran School	PK-8	132	N171W20131 Highland Road, Jackson
48	Peace Lutheran School	PK-8	245	1025 Peace Lutheran Drive, Hartford
49	St. Augustine School Inc	K-12	102	1810 CTH CC, Hartford
50	St. Boniface Elementary School	PK-8	173	W204 N11968 Goldendale Drive, Germantown
51	St. Frances Cabrini School	PK-8	284	529 Hawthorn Drive, West Bend
52	St. Gabriel Elementary School	PK-8	120	3733 Hubertus Road, Hubertus (Village of Richfield)
53	St. John's Lutheran School	PK-8	172	899 S. 6th Avenue, West Bend
54	St. John's Lutheran School	PK-8	71	623 Congress Street, Newburg
55	St Kilian Elementary School	PK-8	129	245 High Street, Hartford
56	St. Lucas Grade School	PK-8	110	1410 Parkview Drive, Kewaskum
57	St. Peter Catholic Grade School	PK-5	83	206 E. Washington Street, Slinger
58	Tri-Center Alternative School	8-12	2	515 E. Washington Street, West Bend
59	Trinity Lutheran School	PK-8	65	1268 Pleasant Valley Road, West Bend

Colleges/Universities ^e				
Number on Map 9.16	School	Grades ^a	Enrollment ^b	Street Address ^c
60	Moraine Park Technical College – Hartford	--	-- ^f	805 Cedar Street, Hartford
61	Moraine Park Technical College – West Bend	--	-- ^f	2151 N. Main Street, West Bend
62	University of Wisconsin – Washington County	--	869 ^g	400 University Drive, West Bend

^a K is kindergarten and PK is pre-kindergarten.

^b Enrollment is based on 2016 data.

^c Street address is the school's mailing address.

^d A portion of the Rubicon J6 School District is located in the southwestern portion of the Town of Hartford, but the District school is located in the Town of Rubicon in Dodge County.

^e The Germantown School District is within the Milwaukee Area Technical College (MATC) district boundary. There are no MATC campuses located in Washington County.

^f Enrollment at individual Moraine Park Technical college (MPTC) campuses is not available. Total enrollment at all MPTC campuses was 18,727 students in 2016.

^g Enrollment is based on 2015 data.

Source: Wisconsin Department of Public Instruction and SEWRPC

- Construction of a new Jackson Elementary School in the Jackson area and new “twin” middle schools for 900 students at CTH G and Sand Drive in the City of West Bend near the existing high schools
- Upgrading facilities and accommodating enrollment growth by renovating and expanding existing facilities at both high schools.

The *Hartford Joint No. 1 School District Facilities Study Report* was prepared by the Hartford Joint No. 1 Board of Education and sets forth facility recommendations and a capital improvement program for the two elementary schools and one middle school within the district. Recommendations in the study report include constructing a new elementary school to alleviate overcrowding at the two existing elementary schools and prepare for the anticipated growth of school-aged residents within the district, and expansion of Central Middle School.

In 2016, Germantown School District voters and Kewaskum School District voters approved referendums to finance new construction, renovation, and modernization of various facilities in their respective school districts. Other school districts in the County are preparing for potential growth using an “as needed” approach based on annual enrollments and projected population growth and change.

Washington County is also home to the University of Wisconsin–Washington County (campus in the City of West Bend) and the Moraine Park Technical College (campuses in the Cities of Hartford and West Bend). Facility recommendations for the University of Wisconsin–Washington County are identified in the Washington County Capital Improvement Program (CIP) for 2017 to 2021 and recommendations for Moraine Park Technical College are identified in the Three-Year Facilities Plan for 2015 to 2018. Recommendations in both plans consist of regular maintenance projects over their respective timeframes. No major facility upgrades or additions were proposed for campuses in the County.

Cemeteries

There were 97 cemeteries encompassing 250 acres in Washington County as of 2016, as shown on Map 9.17 and listed on Table 9.16. The four largest cemeteries in the County (each 10 acres or larger) were Holy Angels Cemetery, Pleasant Hill Cemetery, St. Kilian Cemetery, and Washington County Memorial Park.



There are 97 public cemeteries in the County encompassing about 250 acres.

Health Care Facilities

Map 9.18 shows hospitals and clinics for non-specialized medical services in the County in 2015. There are two hospitals offering a full range of medical services. They are Saint Joseph’s Hospital located in the Town of Polk and Aurora Medical Center of Washington County located in the City of Hartford. Saint Joseph’s Hospital had 70 beds and Aurora Medical Center of Washington County had 53 beds in 2015. Table 9.17 lists the location of hospitals and clinics in 2015. Residents in the southern portion of Washington County may also receive service from health care facilities in Menomonee Falls (Waukesha County). Menomonee Falls has one hospital, Community Memorial Hospital, with 198 beds that is located on Town Hall Road.



Aurora Medical Center in the City of Hartford is one of two hospitals offering a full range of medical services in the County.

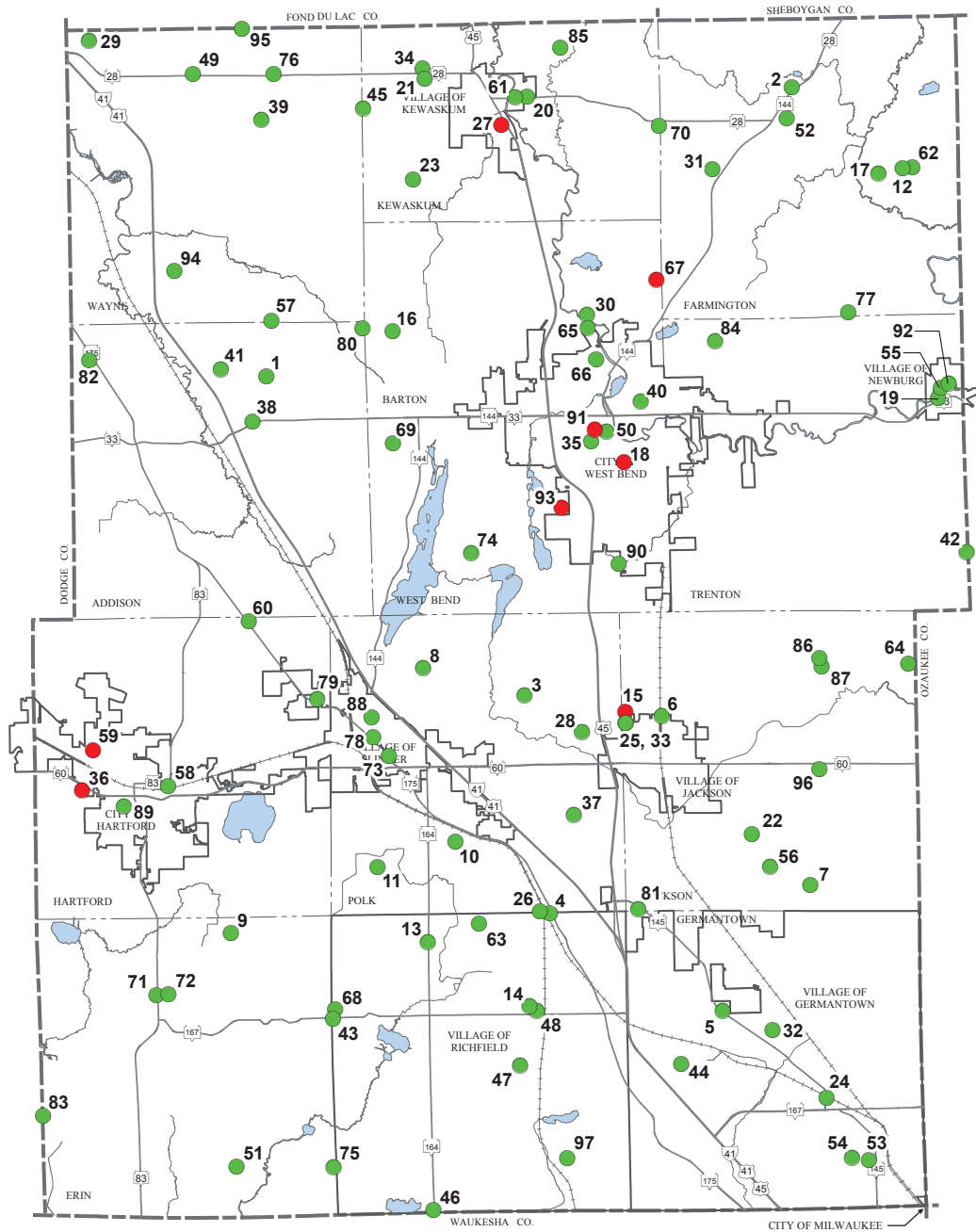
An increased demand for health care services and facilities can be expected as the age composition of the County’s population increases. SEWRPC population projections anticipate changes in the age structure of the County population over the course of the planning period, as shown on Table 3.18 in Chapter 3. The number of County residents 65 years of age and older is expected to increase from 13 percent of the County’s population in 2010 to 26 percent of the County’s population in 2050, from 17,803 to 47,554 residents.

Child Care Facilities

Child care facilities are regulated by the Wisconsin Department of Children and Families (DCF). There are two types of child care facilities regulated by the DCF, family child care centers and group child care centers. Family child care centers are facilities that provide care for four to eight children. These programs are generally operated in a provider’s home and are licensed by the DCF under *Wisconsin Administrative Code* Chapter DCF 250. Group child care centers are facilities that provide care for nine or more children. These programs are generally operated outside the provider’s home and are licensed by the DCF under *Wisconsin Administrative Code* Chapter DCF 251. In 2015, there were 17 licensed family child care centers and 48 licensed group child care centers in Washington County. Licensed child care centers are shown on Map 9.19 and listed in Table 9.18.

The combined capacity of licensed child care facilities in Washington County was 3,111 children. As shown on Table 3.18 in Chapter 3, the number of residents in the County under 10 years of age in 2010 was 17,207.

Map 9.17
Cemeteries in Washington County: 2016



- SMALLER THAN 5 ACRES
- 5 ACRES OR GREATER
- 25** REFERENCE NUMBER
(SEE TABLE 9.16)



Source: Washington County and SEWRPC

Table 9.16
Cemeteries in Washington County: 2016

Number on Map 9.17	Name	Location (Local Government)	Size (acres)
1	Addison Township Cemetery	Town of Addison	0.3
2	Boltonville Union Cemetery	Town of Farmington	2.8
3	Cedar Creek Cemetery	Town of Polk	0.9
4	Cedar Park Cemetery	Village of Richfield	0.8
5	Christ Evangelical & Reformed Cemetery	Village of Germantown	1.4
6	Christ Lutheran Cemetery	Town of Jackson	1.4
7	David's Star Evangelical Lutheran Cemetery	Town of Jackson	2.4
8	Diefenbach Corners Cemetery	Town of Polk	0.8
9	Emmanuel United Methodist Cemetery	Town of Erin	0.8
10	Faith Cemetery	Town of Polk	1.3
11	Faith United Church of Christ Cemetery	Town of Polk	0.7
12	Fillmore Union Cemetery	Town of Farmington	1.4
13	First Presbyterian Cemetery	Village of Richfield	0.4
14	Forest Home Cemetery	Village of Richfield	0.5
15	Friedens United Church of Christ Cemetery	Town of Jackson	5.5
16	German Methodist (Kopp's) Cemetery	Town of Barton	0.5
17	German Methodist Episcopal Cemetery	Town of Farmington	0.2
18	Holy Angels Catholic Cemetery (New)	City of West Bend	10.7
19	Holy Trinity Catholic Cemetery	Village of Newburg	4.2
20	Holy Trinity Catholic Cemetery (Old)	Village of Kewaskum	0.8
21	Holy Trinity Catholic Cemetery (New)	Town of Kewaskum	2.3
22	Immanuel Lutheran Cemetery	Town of Jackson	0.7
23	Kewaskum Union Cemetery	Town of Kewaskum	0.8
24	Last Home Cemetery	Village of Germantown	2.0
25	Last Home Cemetery	Town of Jackson	0.9
26	Leid Cemetery ^a	Town of Polk	0.7
27	Lutheran Memorial Park	Village of Kewaskum	5.2
28	Mayfield Cemetery	Town of Polk	0.7
29	Methodist Episcopal Cemetery	Town of Wayne	0.4
30	Newark Cemetery	Town of Barton	3.3
31	Orchard Grove Cemetery	Town of Farmington	1.0
32	Our Savior's United Church of Christ Cemetery	Village of Germantown	0.6
33	Peace United Church of Christ Cemetery	Town of Jackson	0.9
34	Peace United Church of Christ Cemetery	Town of Kewaskum	3.6
35	Pilgrim Rest Cemetery	City of West Bend	1.1
36	Pleasant Hill Cemetery	City of Hartford	14.3
37	Polk Dairy Cemetery	Town of Polk	0.8
38	Sacred Heart Catholic Cemetery	Town of Addison	3.2
39	Salem United Church of Christ Cemetery	Town of Wayne	1.4
40	Samaritan Cemetery	City of West Bend	0.8
41	St. Anthony of Padua Cemetery	Town of Addison	0.9
42	St. Augustine Catholic Cemetery	Town of Trenton	2.6
43	St. Augustine Catholic Cemetery (Old)	Village of Richfield	0.8
44	St. Boniface Catholic Cemetery (New)	Village of Germantown	2.5
45	St. Bridget Catholic Cemetery	Town of Kewaskum	2.6
46	St. Columba Catholic Cemetery	Village of Richfield	2.2
47	St. Hubert Catholic Cemetery	Village of Richfield	4.0
48	St. Jacobi Congregational Cemetery	Village of Richfield	0.8
49	St. Jacob's Reformed Cemetery	Town of Wayne	0.9
50	St. James Episcopal Church Columbarium	City of West Bend	-- ^b
51	St. John Catholic Cemetery	Town of Erin	2.6
52	St. John of God Catholic Cemetery	Town of Farmington	1.6
53	St. John United Church of Christ Cemetery	Village of Germantown	1.4

Table continued on next page.

Table 9.16 (Continued)

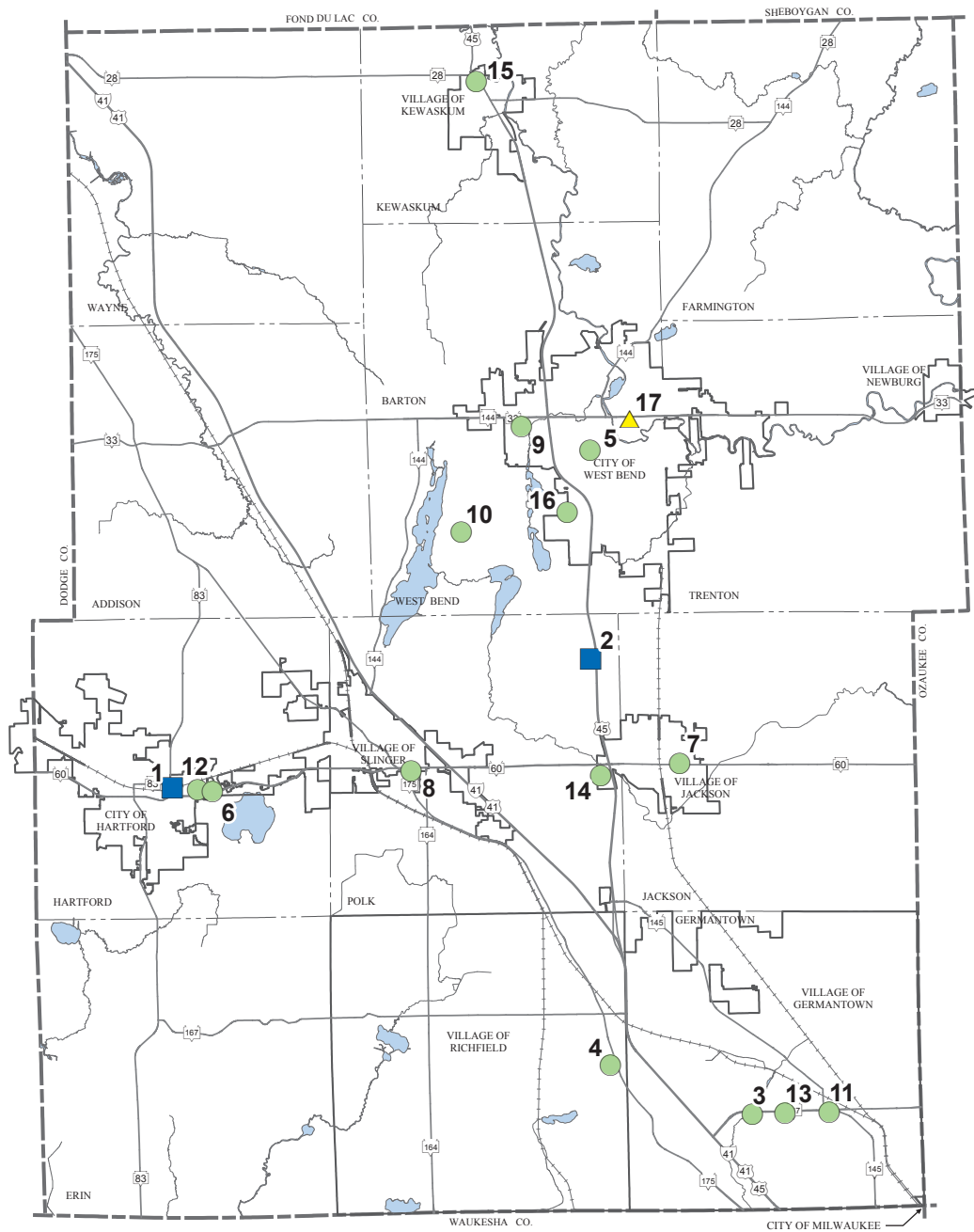
Number on Map 9.17	Name	Location (Local Government)	Size (acres)
54	St. John's Evangelical Cemetery	Village of Germantown	0.9
55	St. John's Evangelical Lutheran Cemetery	Village of Newburg	1.4
56	St. John's Lutheran Cemetery	Town of Jackson	2.5
57	St. John's Memorial Cemetery	Town of Wayne	1.8
58	St. Kilian Catholic Cemetery (Old)	City of Hartford	3.3
59	St. Kilian Catholic Cemetery (New)	City of Hartford	14.5
60	St. Lawrence Catholic Cemetery	Town of Hartford	3.9
61	St. Lucas Evangelical Lutheran Cemetery (Old)	Village of Kewaskum	1.1
62	St. Martin's Union Cemetery	Town of Farmington	1.9
63	St. Mary Catholic Cemetery	Village of Richfield	2.0
64	St. Mary Immaculate Conception Catholic Cemetery	Town of Jackson	1.4
65	St. Mary Immaculate Conception Catholic Cemetery (1st)	Town of Barton	1.0
66	St. Mary Immaculate Conception Catholic Cemetery (2nd)	City of West Bend	2.7
67	St. Mary Immaculate Conception Catholic Cemetery (3rd)	Town of Barton	8.7
68	St. Mary of the Hill Cemetery	Village of Richfield	3.2
69	St. Mathias Catholic Cemetery	Town of West Bend	2.3
70	St. Michael Catholic Cemetery	Town of Kewaskum	1.4
71	St. Patrick Catholic Cemetery (Old)	Town of Erin	2.6
72	St. Patrick Catholic Cemetery (New)	Town of Erin	1.2
73	St. Paul Evangelical Lutheran Cemetery	Village of Slinger	0.8
74	St. Paul Evangelical Lutheran Cemetery	Town of West Bend	0.4
75	St. Paul United Church of Christ Cemetery	Town of Erin	1.3
76	St. Paul's Evangelical Lutheran Cemetery	Town of Wayne	0.5
77	St. Peter Catholic Cemetery	Town of Farmington	1.6
78	St. Peter Catholic Cemetery (Old)	Village of Slinger	2.6
79	St. Peter Catholic Cemetery (New)	Town of Hartford	4.0
80	St. Peter's Evangelical Lutheran Cemetery	Town of Addison	1.5
81	St. Peter's United Church of Christ Cemetery	Town of Jackson	1.1
82	Sts. Peter & Paul Catholic Cemetery	Town of Addison	1.7
83	Toland Methodist Cemetery	Town of Erin	0.2
84	Trenton Township Cemetery	Town of Trenton	0.7
85	Trinity Evangelical Lutheran Cemetery	Town of Kewaskum	0.9
86	Trinity Evangelical Lutheran Cemetery (Old)	Town of Jackson	0.3
87	Trinity Evangelical Lutheran Cemetery (New)	Town of Jackson	1.7
88	Union Cemetery	Village of Slinger	2.7
89	Union Cemetery	City of Hartford	3.9
90	Union Cemetery	Town of West Bend	0.4
91	Union Cemetery	City of West Bend	6.0
92	Union Cemetery	Village of Newburg	0.9
93	Washington County Memorial Park	Town of West Bend	48.4
94	Zion Evangelical Lutheran Cemetery	Town of Wayne	1.7
95	Zion German Baptist Cemetery	Town of Wayne	0.8
96	Zion Lutheran Cemetery	Town of Jackson	0.1
97	Zion United Methodist Cemetery	Village of Richfield	2.0
Total – 97 Sites			249.5

^a Leid Cemetery is also referred to as Erling Cemetery.

^b Less than 0.05 acres.

Source: Washington County, Local Governments, and SEWRPC 2015 Land Use Inventory

**Map 9.18
Hospitals and Clinics in Washington County: 2015**



- HOSPITAL
- CLINIC
- ▲ HEALTH DEPARTMENT
- 4** REFERENCE NUMBER
(SEE TABLE 9.17)



Source: Washington County and SEWRPC

Table 9.17
Hospitals and Clinics in Washington County: 2015

Number on Map 9.18	Facility Name	Street Address
Hospitals ^a		
1	Aurora Medical Center of Washington County	1032 E. Sumner Street, Hartford
2	St. Joseph's Community Hospital	3200 Pleasant Valley Road, Polk
Clinics ^b		
3	Advanced Healthcare – Germantown	N112 W17975, Mequon Road, Germantown
4	Advanced Healthcare – Hubertus/Falls Medical Group	3055 Hubertus Road, Hubertus
5	Albrecht Free Clinic – West Bend	1110 Oak Street, West Bend
6	Aurora Health Center – Hartford	1640 E. Sumner Street, Hartford
7	Aurora Health Center – Jackson	N168 W20060 Main Street, Jackson
8	Aurora Health Center – Slinger	1061 E. Commerce Boulevard, Slinger
9	Aurora Advanced Healthcare – West Bend	205 Valley Avenue, West Bend
10	Aurora Advanced Healthcare – West Bend	5595 CTH Z, West Bend
11	Columbia St. Mary's – Germantown	N112 W15415 Mequon Road, Germantown
12	Hartford Care Center	110 Lone Oak Lane, Hartford
13	Medical Associates – Germantown	W168 N11237 Western Avenue, Germantown
14	SynergyHealth Jackson Clinic	W225 N16711 Cedar Park Court, Jackson
15	SynergyHealth Kewaskum Clinic	1701 Fond Du Lac Avenue, Kewaskum
16	SynergyHealth West Bend Clinic	1700 W. Paradise Drive, West Bend
17	Washington County Health Department	333 E. Washington Street, West Bend

^a A hospital is defined as a place that provides 24-hour nursing/medical care to diagnose and treat short-term illnesses and/or injuries.

^b A clinic is defined as an establishment that provides a variety of medical services by more than one physician and/or other medical personnel on an out-patient basis. Clinics limited to treating a specific type of illness are not listed.

Source: Washington County and SEWRPC

SEWRPC population projections anticipate the number of County residents under the age of 10 will increase to 21,878 in 2050. There will likely be a need for additional child care facilities in the County by 2050 based on the projected increase in the number of residents in the County under the age of 10. Child care facilities and services are generally provided by the private sector.

Assisted Living Facilities

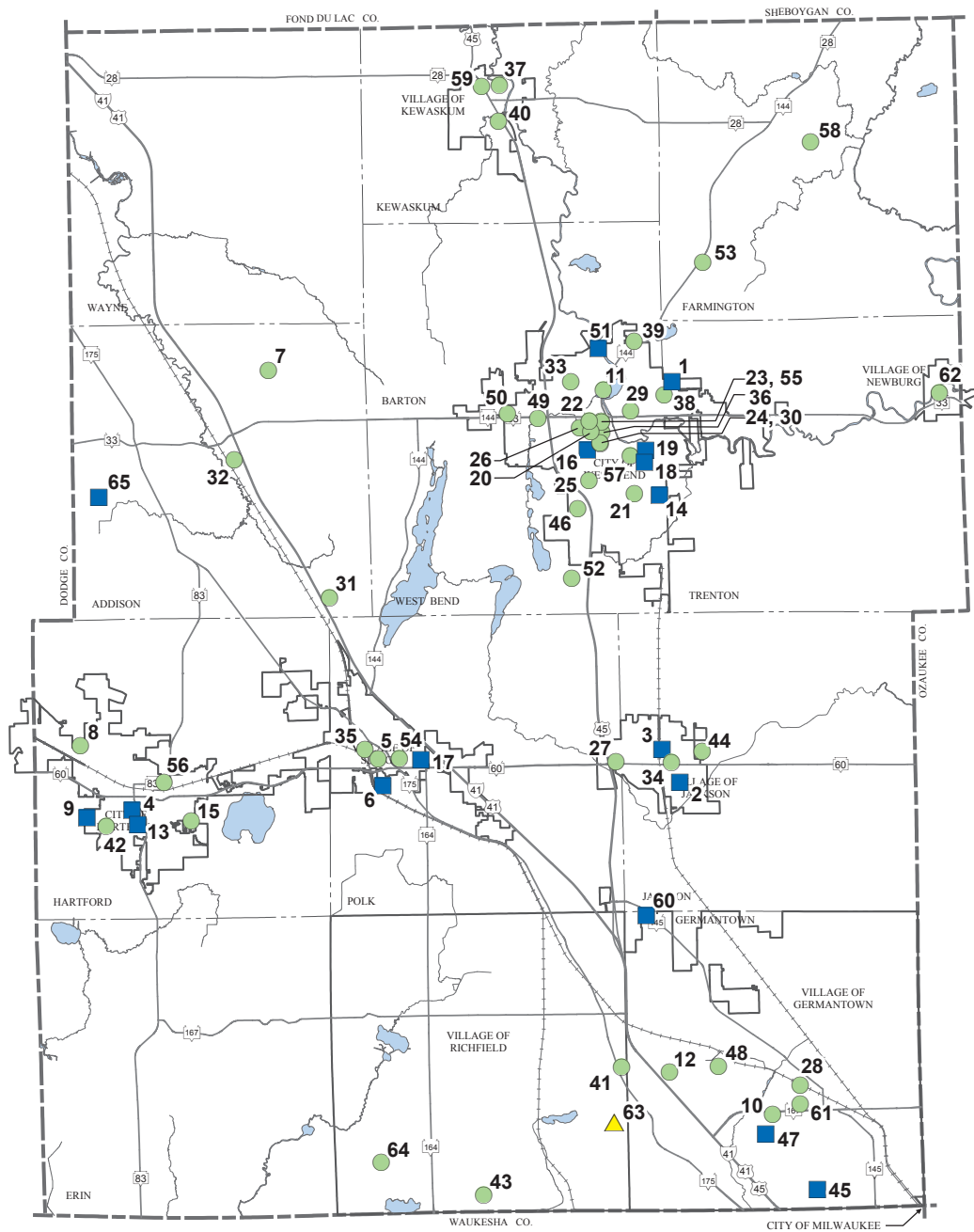
Facilities for People of Advanced Age

Facilities for people of advanced age (60+ years of age) licensed by the Wisconsin Department of Health Services as of December 2017 are listed in Table 9.19 and shown on Map 9.20. Facilities for the advanced aged include nursing homes, community based residential facilities (CBRF), adult day care, adult family homes, and residential care apartments. There are four nursing homes in Washington County offering skilled nursing facilities. There are 24 CBRFs serving people of advanced age that offer room and board, supervision, support services, and may include up to three hours of nursing care per week. There are four adult day care facilities in the County. Adult day care is a day program that provides the elderly and other adults with services when their caregivers are at work or need relief. There are nine residential care apartments in the County, which are independent apartment units in which the following services are provided: room and board and up to 28 hours per week of supportive care, personal care, and nursing services. There is one adult family home for people of advanced aged in the County where a resident will receive care, treatment, or services that are above the level of room and board and that may include up to seven hours per week of nursing care per resident.



The Fields of Washington County is a residential care apartment facility providing supportive care, personal care and nursing services.

Map 9.19
Child Care Centers in Washington County: 2015



- LICENSED FAMILY CHILD CARE
- LICENSED GROUP CHILD CARE CENTER
- ▲ LICENSED CAMP CHILD CARE CENTER
- 25** REFERENCE NUMBER
(SEE TABLE 9.18)



Source: Wisconsin Department of Health and Family Services, Washington County, and SEWRPC

Table 9.18
Child Care Centers in Washington County: 2015

Number on Map 9.19	Facility Name	Street Address^a	Class	Capacity
1	Ahlers Child Care	1607 Williams Court, West Bend	Family	8
2	Aleah Briedenbach	W201 N16510 Hemlock Street, Jackson	Family	6
3	Amy's Family Learning Center	N170 W20658 Parkview Drive, Jackson	Family	8
4	Briar Patch Family Day Care Center	337 S. Rural Street, Hartford	Family	8
5	Busy Bee Learning Tree, LLC	204 Slinger Road, Slinger	Group	97
6	Candice C. Helland	791 Valley Forge Drive, Slinger	Family	6
7	Country Corner Child Care	6912 CTH W, West Bend	Group	40
8	Dreams Learning Center, LLC	1190 Western Drive, Hartford	Group	15
9	Elena's Family Learning Center	1128 Durango Road, Hartford	Family	8
10	Faith Lutheran Preschool	W172 N11183 Division Road, Germantown	Group	24
11	Family Ties Child Care Center	1116 N. Main Street, West Bend	Group	24
12	Germantown Learning Center CC	W205 N11855 Deppert Road, Germantown	Group	62
13	Good Buddies	617 S. Main, Hartford	Family	8
14	Growing Oaks Child Development Home	614 Polaris Street, West Bend	Family	8
15	Happy Hollow Learning Center	1396 Patton Drive, Hartford	Group	87
16	Holly Scannel	1056 Chestnut Street, West Bend	Family	6
17	Jodi Klepp	608 Ellys Way, Slinger	Family	6
18	Kare Bear Care	768 Eastern Avenue, West Bend	Family	8
19	Kari's Korner Family Child Care Center	602 Hillcrest Street, West Bend	Family	8
20	Kettle Moraine YMCA Child Care Center	1111 W. Washington Street, West Bend	Group	146
21	Kettle Moraine YMCA – Decorah	1225 Sylvan Way, West Bend	Group	67
22	Kettle Moraine YMCA Discovery Center	1113 W. Washington Street, West Bend	Group	36
23	Kettle Moraine YMCA Holy Angels	230 N. 8th Street, West Bend	Group	30
24	Kettle Moraine YMCA – McLane	833 Chestnut Street, West Bend	Group	50
25	Kettle Moraine YMCA Our Savior	1044 S. Silverbrook Drive, West Bend	Group	64
26	Kettle Moraine YMCA Silverbrook	120 N. Silverbrook Drive, West Bend	Group	50
27	Kiddie Kampus	N168 W22224 Main Street, Jackson	Group	103
28	Kinder Haus Day Care and Preschool	N116 W16326 Main Street, Germantown	Group	50
29	KLC School Partnership – Fair Park	519 N. Indiana Avenue, West Bend	Group	55
30	KLC School Partnership – Mc Lane	833 Chestnut Street, West Bend	Group	50
31	Kool Kids Club Inc. – Addison	5050 Indian Drive, Hartford	Group	49
32	Kool Kids Club Inc. – Allenton	228 Weis Street, Allenton	Group	32
33	Kool Kids Club Inc. – Green Tree	1330 Green Tree Road, West Bend	Group	60
34	Kool Kids Club Inc. – Jackson	W204 N16850 Jackson Drive, Jackson	Group	120
35	Kool Kids Club Inc. – Slinger	203 Polk Street, Slinger	Group	96
36	Learning Center (The)	148 S. 8th Avenue, West Bend	Group	16
37	Little Folks School Club	1415 Bilgo Street, Kewaskum	Group	46
38	Little Friends Learning Center	929 N. River Road, West Bend	Group	60
39	Little Friends Learning Center	7019 STH 144, West Bend	Group	27
40	Little Folks Schoolhouse	1040 Milan, Kewaskum	Group	82
41	Little Hands Child Care	1274 STH 175, Hubertus	Group	60
42	Little Lambs Preschool	738 W. Monroe Avenue, Hartford	Group	10
43	Little Red Schoolhouse DC	285 Hillside Road, Colgate	Group	88
44	Living Word Child Development Center	2240 Living Word Lane, Jackson	Group	144
45	Miss Gayle's Home Day Care	N98 W15781 School Road, Germantown	Family	8
46	Montessori Children's House	1701 Vogt Street, West Bend	Group	140
47	Penelope-Ann Baier	N108 W17504 Lilac Lane, Germantown	Family	6
48	Place for Kids	W188 N11927 Maple Road Unit 20, Germantown	Group	50
49	Playful Hearts Child Care	2361 W. Washington Street, West Bend	Group	68
50	Precious One's Learning Center Inc.	3022 W. Washington Street, West Bend	Group	35
51	Riverside Day Care Center	2110 N. River Drive, West Bend	Family	8
52	Silver Maple Daycare	5190 S. 18th Avenue, West Bend	Group	50
53	St. Andrew Lutheran E C Campus	7750 N. STH 144, West Bend	Group	37

Table continued on next page.

Table 9.18 (Continued)

Number on Map 9.19	Facility Name	Street Address ^a	Class	Capacity
54	St. Paul's Little Learners	799 St. Paul Drive, Slinger	Group	70
55	Starlight Learning Center	140 N. 7th Avenue, West Bend	Group	50
56	Sycamore Tree Child Care Center	310 N. Wilson Avenue, Hartford	Group	190
57	Tiny Tots Treehouse Care Center	684 S. Indiana Avenue, West Bend	Group	30
58	Tuttle Creek Club Cool	8736 Boltonville Road, Kewaskum	Group	24
59	Tuttle Creek Learning Center Inc.	1623 Fond du Lac Avenue, Kewaskum	Group	52
60	Wee Ones Child Care	W212 N14393 Fond du Lac Ave., Germantown	Family	8
61	Willow Creek Child Care	W164 N11310 Squire Drive, Germantown	Group	160
62	Y at Holy Trinity (The)	513 Congress Street, Newburg	Group	20
63	YMCA Preschool Camp MiniKani	875 Amy Belle Lake Road, Hubertus	Group	35
64	YMCA Sacc at Plat Elementary	4908 Monches Road, Colgate	Group	34
65	Young Cubs Day Care	7143 Hillcrest Drive, Hartford	Family	8

^a Street address is the center's mailing address.

Source: Wisconsin Department of Children and Families and SEWRPC

Demand for facilities offering assisted living services for the advanced aged may increase over the planning period due to the aging of the baby boom generation. In 2010, about 13 percent of Washington County residents were age 65 or older. This percentage is projected to increase to about 26 percent of the County's population in 2050, with the number of residents age 85 and older projected to increase from 2,501 people in 2010 to 12,711 people in 2050. Demand for financial assistance may also be an ongoing challenge.



An increased demand for facilities including nursing homes, assisted living facilities such as CBRF and adult family homes, residential care apartment complexes, and senior apartment complexes may also increase as the age composition of County residents changes over the planning period.

Washington County maintains an Aging and Disability Resource Center (ADRC) for all elderly people and people with disabilities in the County, including those who do not qualify for public assistance. The ADRC is a “one-stop shop” for information about available services and facilities, and for assistance in managing finances. The County also participates in Family Care, a State program intended to foster independence and quality of life for the elderly and people with disabilities in Wisconsin. It is a public/private partnership between the State, counties, and non-profit care management organizations, which administer the program under contract to each county. Community Care and Care Wisconsin are the non-profit organizations selected to manage the Washington County Family Care Program, which went into effect in 2008. One of the goals of the Family Care Program is to eliminate waiting lists for nursing homes and other long-term care facilities. The program is also intended to provide planning and consumer choice, including alternatives for housing (own home, CBRF, or assisted living facility). The Family Care Program is an optional program for people who qualify for public assistance. Individuals may choose to remain in the Medicare or Medicaid programs.

Facilities for People with Disabilities

Facilities for people with disabilities licensed by the Wisconsin Department of Health Services as of December 2017 are listed in Table 9.20 and shown in Map 9.21. These facilities can include nursing homes, community based residential facilities (CBRF), and adult family homes. The four nursing homes in Washington County offering skilled nursing facilities to the advanced aged also offer services to people with disabilities. There are six CBRF's that offer room and board, supervision, support services, and may include up to three hours of nursing care per week for people with disabilities. There are also 39 adult family homes in the County where a resident with disabilities will receive care, treatment or services that are above the level of room and board and that may include up to seven hours per week of nursing care per resident.

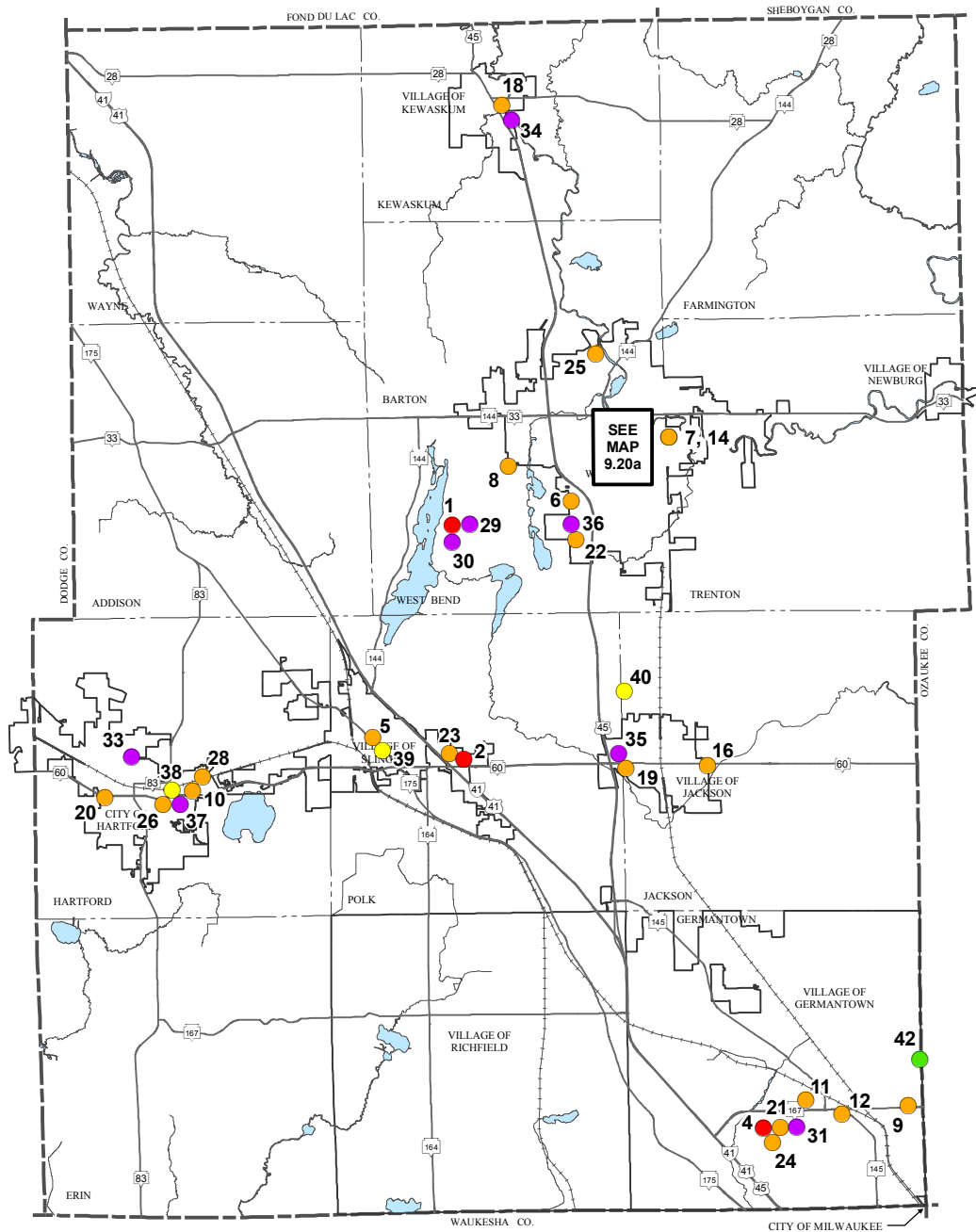
Table 9.19
Assisted Living Facilities for the Advanced Aged in Washington County: 2017

Number on Map 9.20	Name	Street Address^a	Capacity
	Nursing Homes		
1	Cedar Lake Health Care Center	5595 CTH Z, West Bend	155
2	The Pavilion at Glacier Valley	1900 American Eagle Drive, Slinger	106
3	Samaritan Health Center	531 E. Washington Street, West Bend	131
4	Virginia Highlands Health and Rehabilitation Centers	W173 N10915 Bernies Way, Germantown	121
	Community Based Residential Facilities		
5	Autumn Oaks LLC	227 E. Washington Street, Slinger	35
6	Touchstone Living Care of West Bend	1707 Carrie Lane, West Bend	8
7	Harvest Home at Arbor Point	330 Arbor Point Avenue, West Bend	12
8	The Cottages at Cedar Run	6090 Scenic Avenue, West Bend	66
9	Countryview Group Home	N112 W12850 Mequon Road, Germantown	8
10	Deerview Meadows Assisted Living	109-111 Lone Oak Lane, Hartford	22
11	Ellen's Home Germantown	N113 W16358 Sylvan Circle, Germantown	20
12	Ellen's Home South	W150 N11127 Fond du Lac, Germantown	46
13	Fields of Washington County (The)	531 E. Washington Street, West Bend	31
14	Harvest Home at Gatewood	1430 Gatewood Court, West Bend	6
15	Hawthorn Manor Inc.	321 Hawthorn Drive, West Bend	13
16	Ivy Manor of Jackson	W194 N16744 Eagle Drive, Jackson	22
17	Ivy Manor of West Bend	350-370 S. Forest Avenue, West Bend	74
18	Kettle Moraine Gardens	1038-1042 Fond du Lac Avenue, Kewaskum	36
19	Landmark at Jackson Crossing (The)	N168 W22022 Main Street, Jackson	24
20	Majestic Heights Assisted Living	63-85 S. Wacker Drive, Hartford	52
21	Matterhaus	N109 W170000 Ava Circle, Germantown	26
22	New Perspective – West Bend	2130 Continental Drive, West Bend	60
23	Serenity Villa	1600-1727 American Eagle Drive, Slinger	103
24	Tender Reflections of Germantown	N109 W17525 Virginia Avenue, Germantown	40
25	Tri Manor LTD	1937 N. Main Street, West Bend	19
26	Waterford at Hartford (The)	1025 Bell Avenue, Hartford	19
27	Waterford at West Bend (The)	831 E. Washington Street, West Bend	48
28	Wellington Place of Hartford	615 Hilldale Road, Hartford	30
	Residential Care Apartment Complexes		
29	Cedar Bay East	5577 Home Drive, West Bend	54
30	Cedar Bay West	5555 Cedar Bay Drive, West Bend	91
31	Engel Haus at the Gables of Germantown	N109 W17110 Ava Circle, Germantown	48
32	Fields of Washington County (The)	675 East Washington Street, West Bend	24
33	Gardens of Hartford (The)	112 Peace Lutheran Pkwy	48
34	Kettle Moraine Gardens	1038 Fond du Lac Avenue, Kewaskum	30
35	Lakeshore at Jackson Crossing (The)	N168 W22026 Main Street, Jackson	32
36	New Perspective – West Bend	2130 Continental Drive, West Bend	105
37	Waterford at Hartford (The)	1025 Bell Avenue, Hartford	28
	Adult Day Care Facilities		
38	Aurora Medical Center Adult Day Service	1022 E. Sell Drive, Hartford	20
39	Young at Heart	415 E. Washington Street, Slinger	20
40	Just Like Home Adult Daycare Center	W218 N17483 Delaney Court, Jackson	20
41	LSS Adult Day Service	140 N. 7th Avenue, West Bend	20
	Adult Family Home		
42	Silver Springs of Germantown	N120 W12431 Freistadt Road, Germantown	4

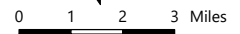
^a Street address is the facility's mailing address.

Source: Wisconsin Department of Health Services, Washington County, and SEWRPC

Map 9.20
Assisted Living Facilities for the Advanced Aged in Washington County: 2017

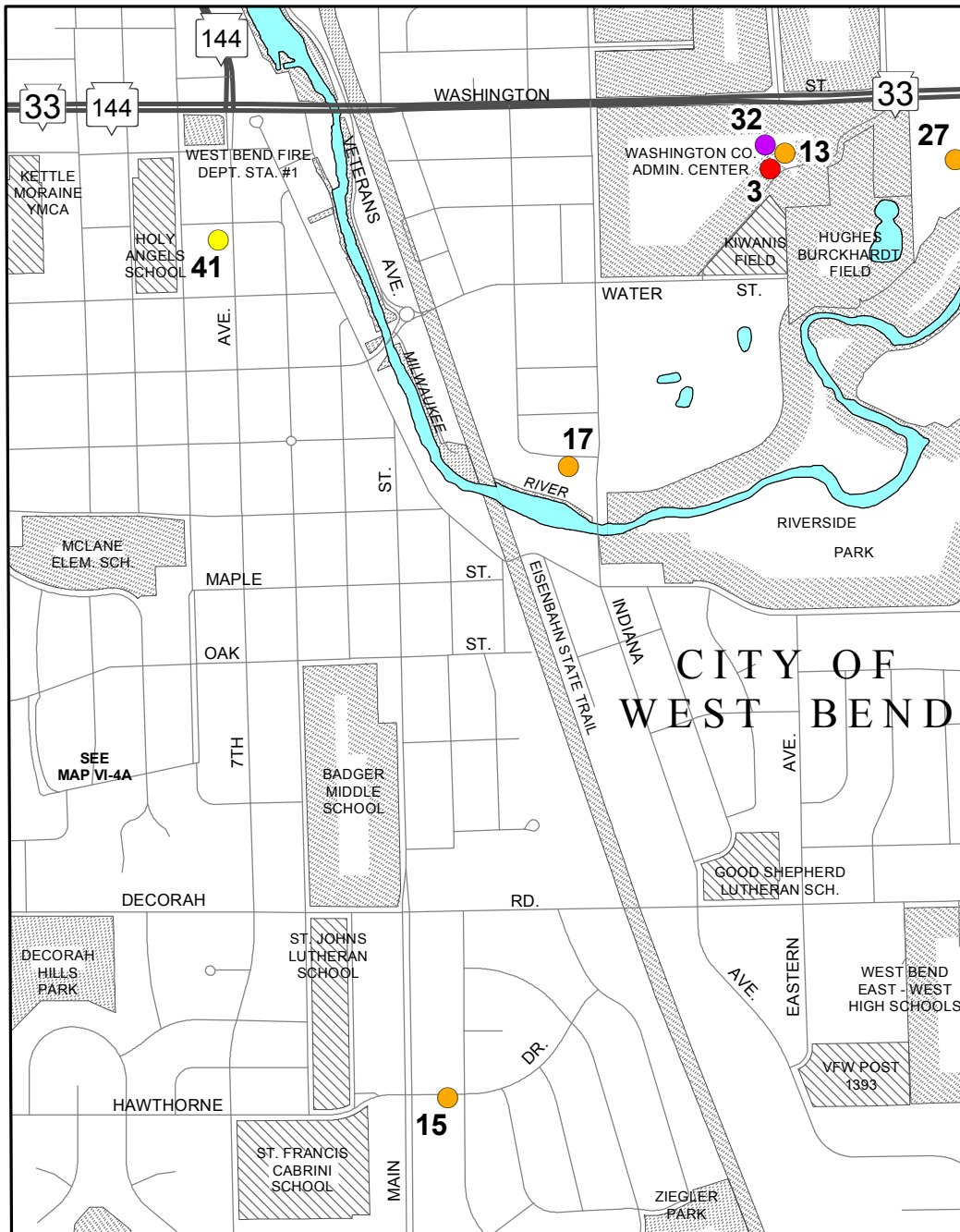


- NURSING HOME
 - COMMUNITY BASED RESIDENTIAL FACILITY
 - RESIDENTIAL CARE APARTMENT COMPLEX
 - ADULT DAY CARE FACILITY
 - ADULT FAMILY HOME
- 4** REFERENCE NUMBER
(SEE TABLE 9.19)

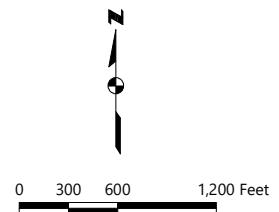


Source: Wisconsin Department of Health and Family Services, Washington County, and SEWRPC

Map 9.20a
Assisted Living Facilities for the Advanced Aged in the City of West Bend: 2017



- NURSING HOME
- COMMUNITY BASED RESIDENTIAL FACILITY
- RESIDENTIAL CARE APARTMENT COMPLEX
- ADULT DAY CARE FACILITY
- 32** REFERENCE NUMBER (SEE TABLE 9.19)
- PUBLIC LAND HOLDING
- PRIVATE LAND HOLDING



Source: Wisconsin Department of Health and Family Services, Washington County, and SEWRPC

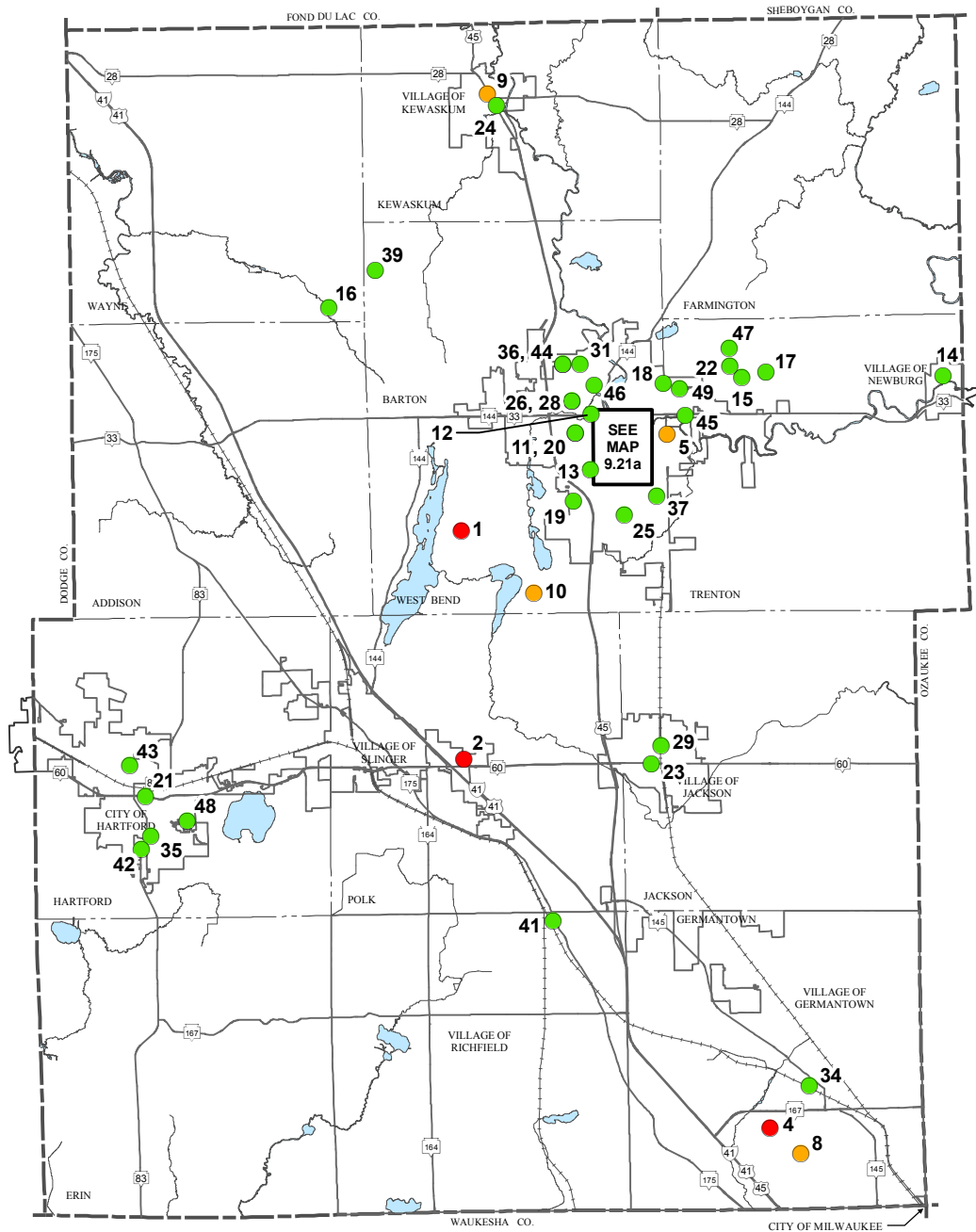
Table 9.20
Assisted Living Facilities for People with Disabilities in Washington County: 2017

Number on Map 9.21	Name	Street Address^a	Capacity
	Nursing Homes		
1	Cedar Lake Health Care Center	5595 CTH Z, West Bend	185
2	Pavilion at Glacier Valley (The)	1900 American Eagle Drive, Slinger	106
3	Samaritan Health Center	531 E. Washington Street, West Bend	131
4	Virginia Highlands Health and Rehabilitation Centers Community Based Residential Facilities	W173 N10915 Bernies Way, Germantown	121
5	Arbor Point	230 Arbor Point Avenue, West Bend	6
6	Calm Harbor	139 South 8th Avenue, West Bend	8
7	Chestnut CBRF	346 S. Main Street, West Bend	8
8	Germantown Home	W164 N10502 Timberline Road, Germantown	7
9	Exodus	1421 Fond du Lac Avenue, Kewaskum	20
10	HIL Columbus House	5096 Valley Trail, West Bend	5
	Adult Family Homes		
11	17th Avenue Adult Family Home	233 S. 17th Avenue, West Bend	4
12	A Home Around the Corner	1100 W. Washington Avenue, West Bend	3
13	Bobolink Home	834 Bobolink Lane, West Bend	4
14	Brywen, LLC	6799 Diane Drive, West Bend	4
15	Dennis Path Adult Family Home	1545 Pamme Court, West Bend	3
16	Ellenbecker Adult Family Home	7463 Brookhaven Drive, West Bend	4
17	Gloria's House	6849 Linda Drive, West Bend	4
18	Hans Street	1505 Hans Street, West Bend	3
19	HIL Carrie Lane	1628-1630 Carrie Lane, West Bend	8
20	HIL Magellan House	212 S. 16th Avenue, West Bend	4
21	Home Care Solutions at Home	341 E. Sumner Street, Hartford	4
22	Home of Devotion Assisted Living, LLC	6881 Beck Lane, West Bend	4
23	Jackson Manor	N168 W21041 Main Street, Jackson	3
24	Key House	1146 Fond du Lac Avenue, Kewaskum	3
25	Legate AFH	229 W. Paradise Drive, West Bend	3
26	Meadowbrook Home	818 Meadowbrook Avenue, West Bend	4
27	7th Street Avenue House - Next Step in Residential Services	659 S. 7th Avenue, West Bend	4
28	Sherman Way House – Next Step in Residential Services	733 Sherman Way, West Bend	4
29	Parkview Manor	W207 N17091 Parkview Drive, Jackson	3
30	People Serve LLC – 5th Avenue	443 S. 5th Avenue, West Bend	4
31	People Serve LLC – Jefferson Court	1412 Jefferson Street, West Bend	4
32	People Serve LLC – Hillcrest Street	1017 Hillcrest Street, West Bend	4
33	Regner Home	523-529 N. 10th Avenue, West Bend	8
34	REM Wisconsin II INC – Germantown	N116 W16105 Main Street, Germantown	4
35	REM Wisconsin II INC – James Court	908 James Court, Hartford	3
36	REM Wisconsin II INC – Jefferson Street	1500 Jefferson Street, West Bend	4
37	REM Wisconsin II INC – Polaris Street	618 Polaris Street, West Bend	4
38	REM Wisconsin II INC – Judith Court	708 Judith Court, West Bend	4
39	Respectful Living LLC - Farmstead	4792 County Road D, West Bend	4
40	Respectful Living LLC – Tower Lane	932 Tower Lane, West Bend	4
41	Richfield AFH	2425 STH 175, Richfield	4
42	South Hartford AFH	3088 STH 83, Hartford	4
43	Symicek AFH	834 Center Street, Hartford	4
44	Tessar AFH	1613 Jefferson Street, West Bend	4
45	Washington Home	2030 E. Washington Street, West Bend	4
46	West Bend Terrace	1007 High Street, West Bend	3
47	Will Starr West Bend	1945 Wallace Lake Road, West Bend	4
48	Wink Home LLC	1354 Patton Drive, Hartford	4
49	Your Home AFH III, LLC	1806 Creek Road, West Bend	4

^a Street address is the facility's mailing address.

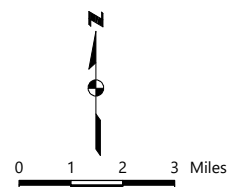
Source: Wisconsin Department of Health Services, Washington County, and SEWRPC

Map 9.21
Assisted Living Facilities for People with Disabilities in Washington County: 2017



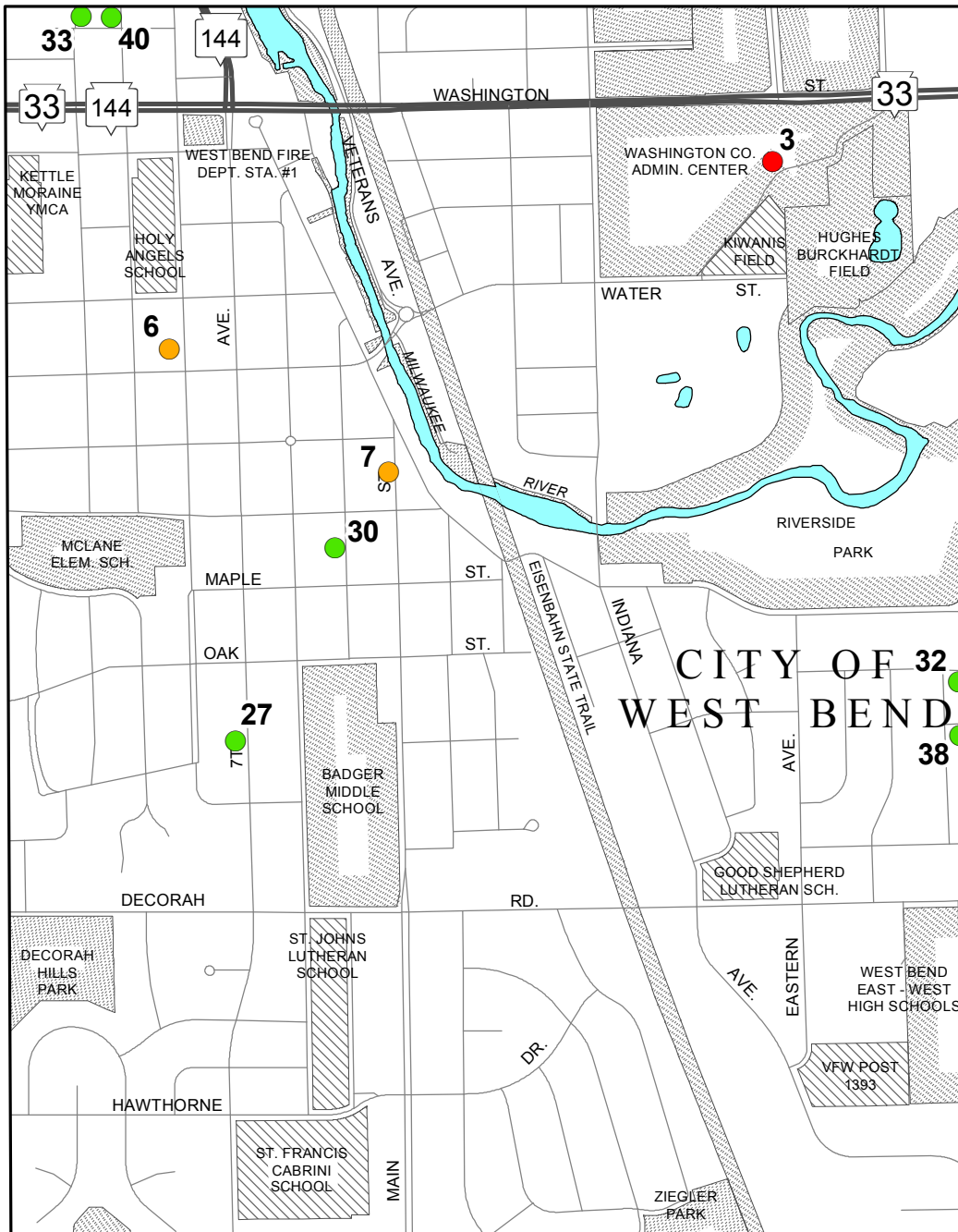
- NURSING HOME
- COMMUNITY BASED RESIDENTIAL FACILITY
- ADULT FAMILY HOME
- 4** REFERENCE NUMBER
(SEE TABLE 9.20)

Source: Wisconsin Department of Health and Family Services, Washington County, and SEWRPC

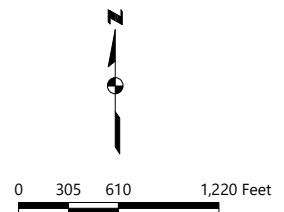


Map 9.21a

Assisted Living Facilities for People with Disabilities in the City of West Bend: 2017



- NURSING HOME
- COMMUNITY BASED RESIDENTIAL FACILITY
- ADULT FAMILY HOME
- 30** REFERENCE NUMBER (SEE TABLE 9.20)
- PUBLIC LAND HOLDING
- PRIVATE LAND HOLDING



Source: Wisconsin Department of Health and Family Services, Washington County, and SEWRPC