

11.5 LAND USE

Major towns and cities within 5 miles of the proposed expansion site are Buffalo and Monticello, Minnesota both in Wright County, and Becker and Big Lake, Minnesota, both in Sherburne County. Public lands within 5 miles of the proposed expansion site were identified using Minnesota Department of Natural Resources (MDNR) data and National Land Cover Data (NLCD). The Mississippi Island Aquatic Management Area (AMA) is located in the vicinity of the Monticello Plant. This AMA consists of fisheries easements on non-public (private) land. The Kelly Meyer State Wildlife Management Area is located about 4.3 miles to the southwest of the Monticello Plant. Figure 11.5-1 depicts DNR public lands and Table 11.5-1 and Figure 11.5-2 depicts NLCD-identified land use within 5 miles of the Monticello Plant and proposed expansion site.

Table 11.5-1 Monticello ISFSI Project – Land Use within a 5-Mile Radius		
Land Use	Approximate Acreage	Percent of Total
Cultivated Crops	18,246.1	36.0
Deciduous Forest	8,340.0	16.4
Hay/Pasture	7,140.1	14.1
Open Water	3,532.5	7.0
Developed, Open Space	3,235.4	6.4
Developed, Low Intensity	2,584.6	5.1
Emergent Herbaceous Wetlands	2,517.8	5.0
Developed, Medium Intensity	1,942.0	3.8
Woody Wetlands	927.4	1.8
Developed, High Intensity	778.3	1.5
Herbaceous	627.6	1.2
Mixed Forest	376.9	0.7
Evergreen Forest	229.5	0.5
Barren Land	129.7	0.3
Shrub/Scrub	117.8	0.2
TOTAL	50,725.8	100.0

Monticello is a growing regional center located along Interstate 94 between Minneapolis/St. Paul and St. Cloud along the banks of the Mississippi River. According to the City of Monticello’s 2040 Comprehensive Plan,¹⁵ Monticello’s land use has been defined by early settlement patterns, surrounding lakes and open spaces, the location and influence of the Mississippi River, and past rail and highway transportation

¹⁵ Monticello 2040 Final Comprehensive Plan. November 23, 2020. Available online at <https://www.ci.monticello.mn.us/monti2040>. Accessed January 8, 2021.

improvements. Monticello was incorporated in 1856 and is now a city with a population of 13,824.¹⁶ Figures 11.5-3 and 11.5-4 below depict population density within 5 and 10 miles, respectively, of the proposed ISFSI Project.

Monticello's recent growth has come primarily in the form of single-family homes and multi-family developments and retail development along Interstate 94 and Highway 25. Monticello's 2040 Comprehensive Plan specifically calls out the Monticello Plant as a vital economic resource, providing a large percentage of tax revenue to the community of Monticello.¹⁷

¹⁶ U.S. Census Bureau. 2019. Available online at <https://www.census.gov/quickfacts/fact>. Accessed January 28, 2021.

¹⁷ Monticello 2040 Final Comprehensive Plan. November 23, 2020. Available online at <https://www.ci.monticello.mn.us/monti2040>. Accessed January 8, 2021.

Figure 11.5-1 Public Lands within a 2-Mile Radius

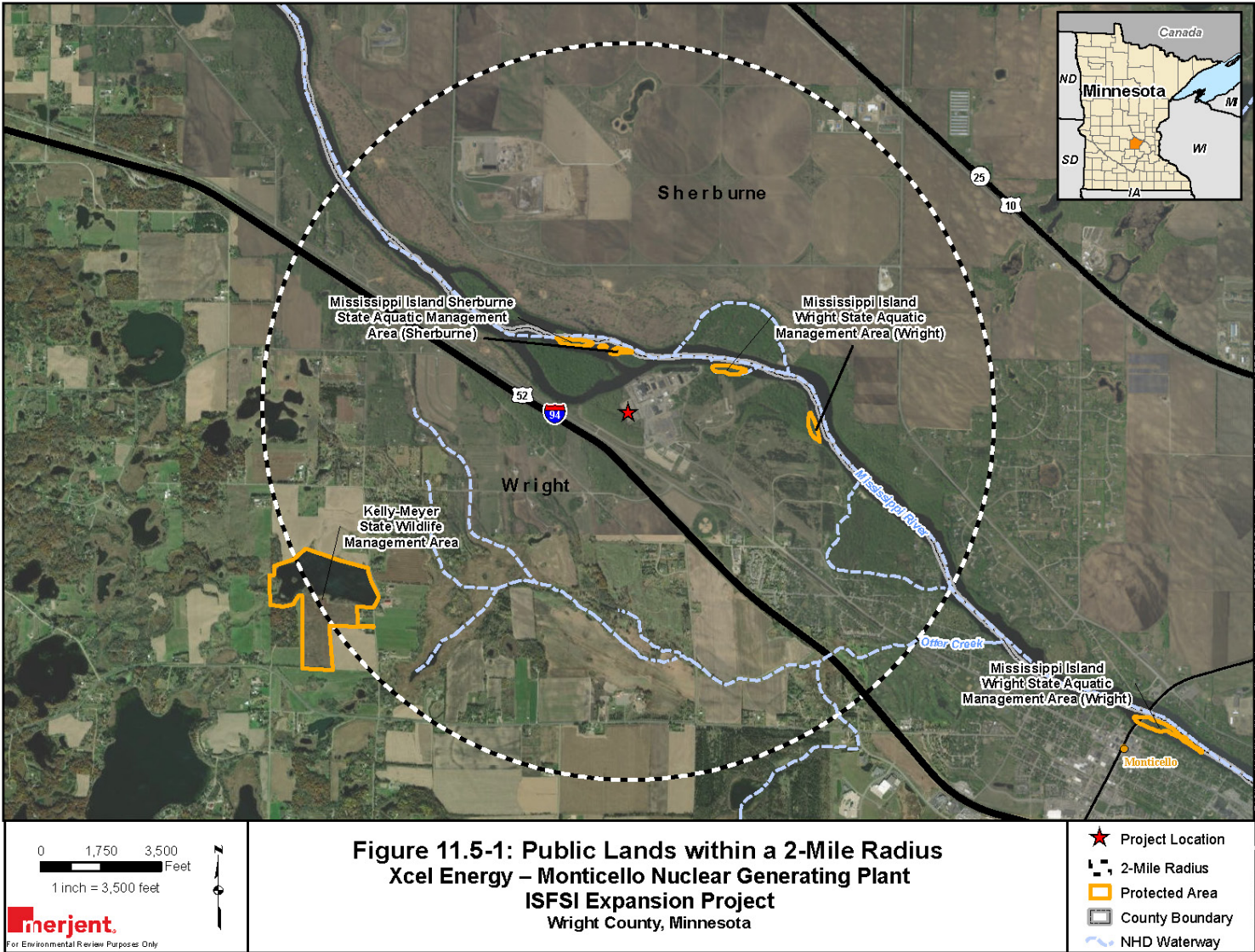


Figure 11.5-2 NLCD Land Use within a 5-Mile Radius

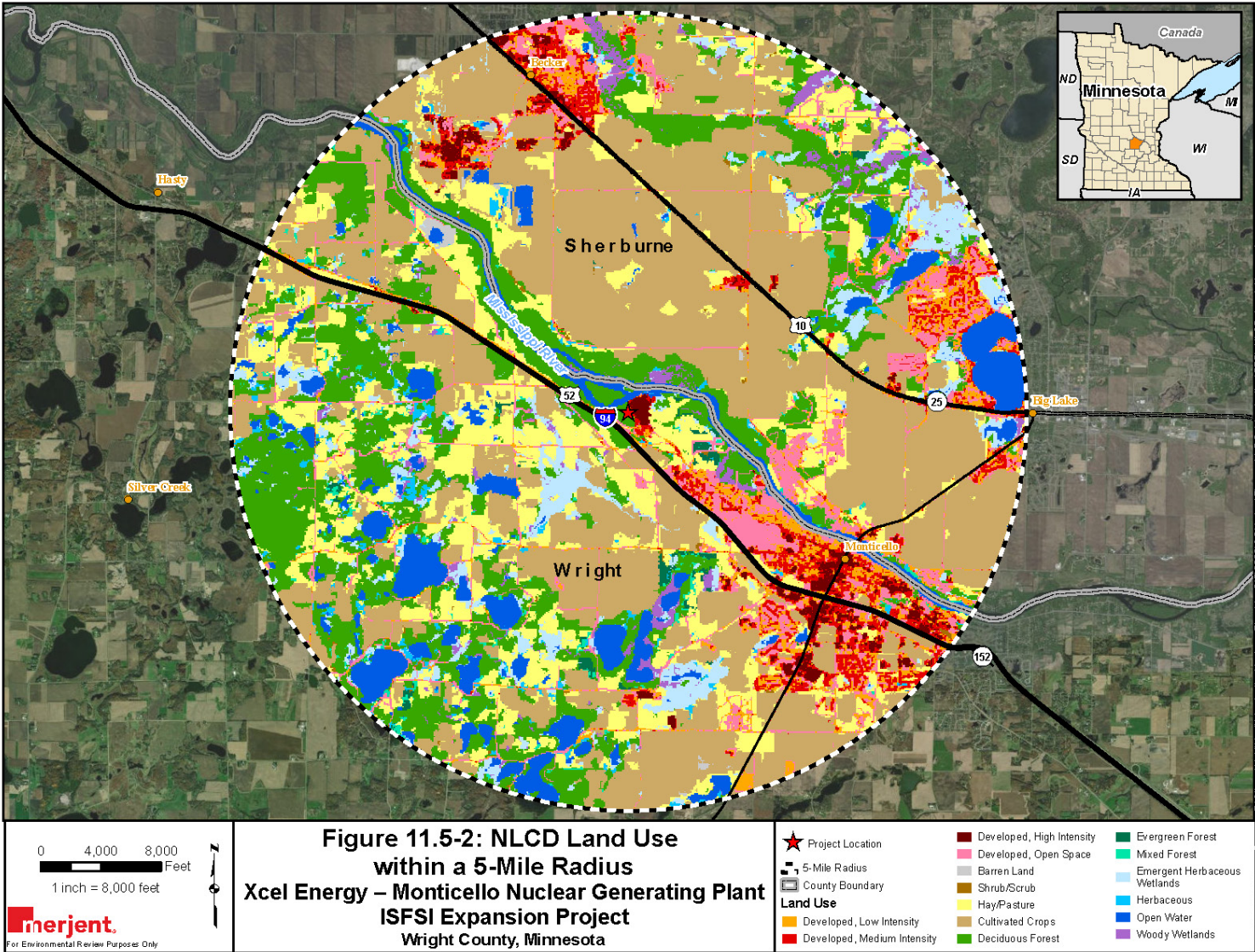


Figure 11.5-3 Population Density within 5 Miles

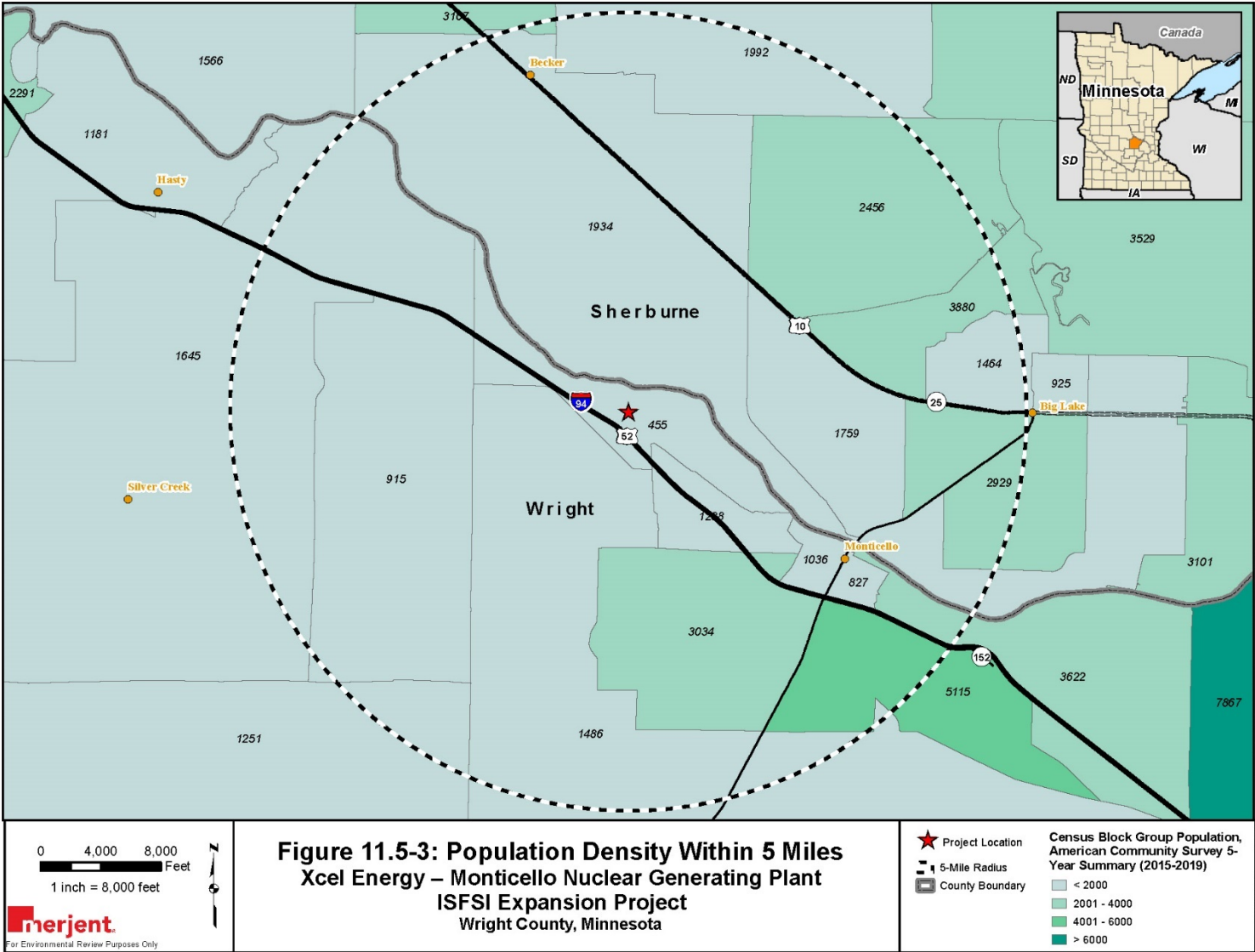
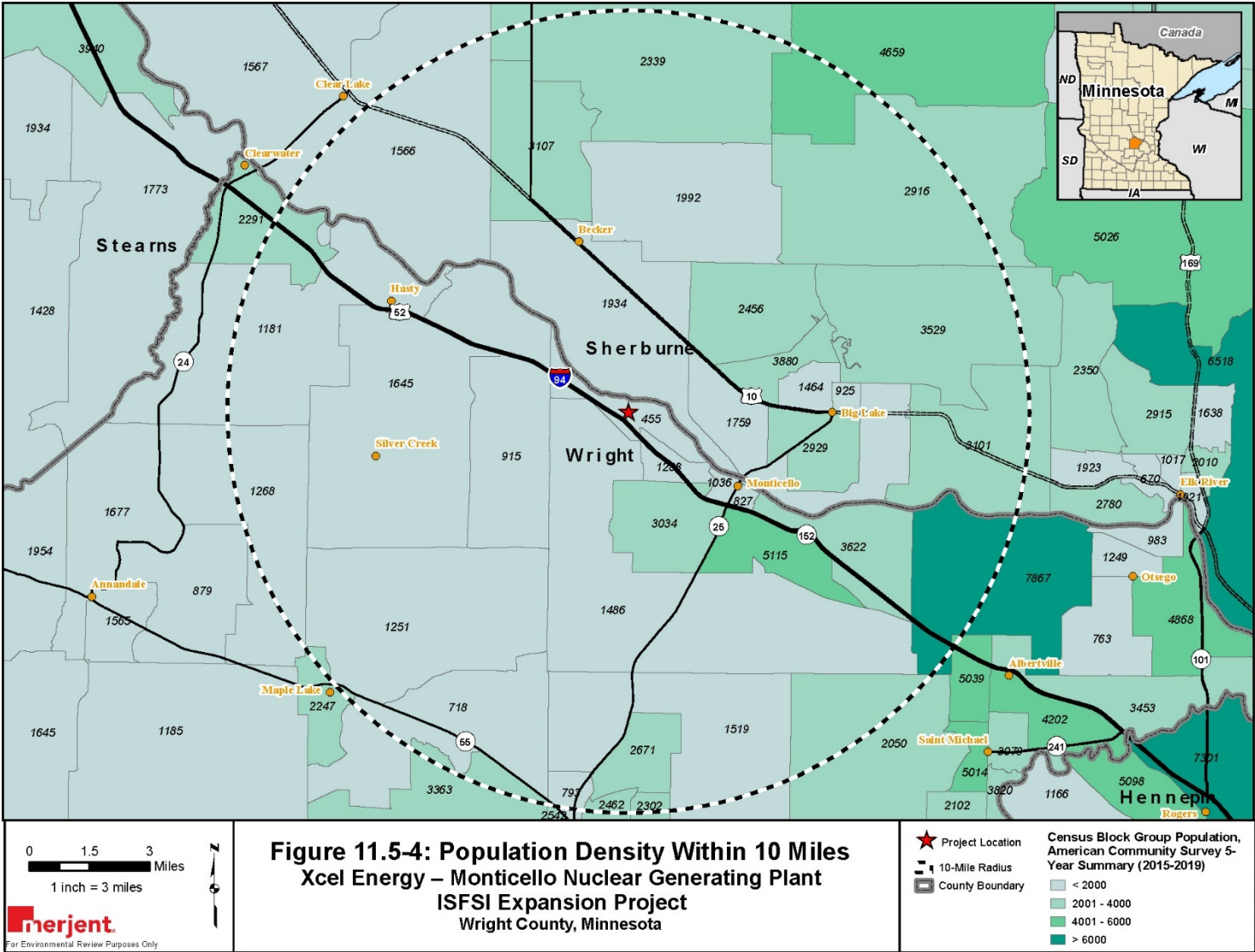


Figure 11.5-4 Population Density within 10 Miles



Because the Monticello Plant is bounded on three sides by Interstate 94 and the Mississippi River, further development in the immediate area is naturally constrained. Additionally, the proposed ISFSI Project is located within a previously disturbed location situated entirely within the existing ISFSI on the Monticello Plant property. The south-eastern boundary of the Monticello Plant property is adjacent to Montissippi County Park, which is equipped with picnic tables, shelters, and river access points. The Project will not impact the current or future use of the park and is located more than 0.6-mile from the nearest access to that park.

Land use within the ISFSI boundaries has remained the same since the Facility was constructed. No impacts on or changes to land use or ownership will occur other than the modification of a previously disturbed area wholly located on the Monticello Plant property. The entire the Monticello Plant property, which contains the ISFSI and the Project area, is zoned as industrial;¹⁸ as such, a zoning amendment will not be required to construct the Project.

11.6 WATER RESOURCES

11.6.1. Surface Waters and Wetlands

Figure 11.6-1 depicts surface waters within 5 miles of the expansion site. Water resources were mapped using the U.S. Fish and Wildlife (FWS) National Wetlands Inventory (NWI), the U.S. Geological Survey (USGS), and the MDNR Public Waters Basin and Watercourse Delineations datasets.

There are no surface waters located within or directly adjacent to the Project. The Mississippi River, a Minnesota Public Water, is located about 600 feet to the northwest of the existing ISFSI facility and proposed Project area. The Mississippi River from St. Cloud to Anoka was added to Minnesota's Wild & Scenic Rivers Program in 1976. The portion of the Mississippi River that passes by the Monticello Plant is within the portion of the Riverway designated “recreational.” Recreational rivers are rivers that may have undergone some impoundment or diversion in the past and that may have adjacent lands which are considerably developed but maintain the capacity to further the purposes and intent of its designation. Additionally, bordering lands may have already been developed for agricultural or other land uses and pre-existing roads or railroads

¹⁸ Monticello 2040 Final Comprehensive Plan. November 23, 2020. Available online at <https://www.ci.monticello.mn.us/monti2040>. Accessed January 8, 2021.

may already be in place. Xcel Energy owns the largest undeveloped tract of land along this segment of the river.¹⁹

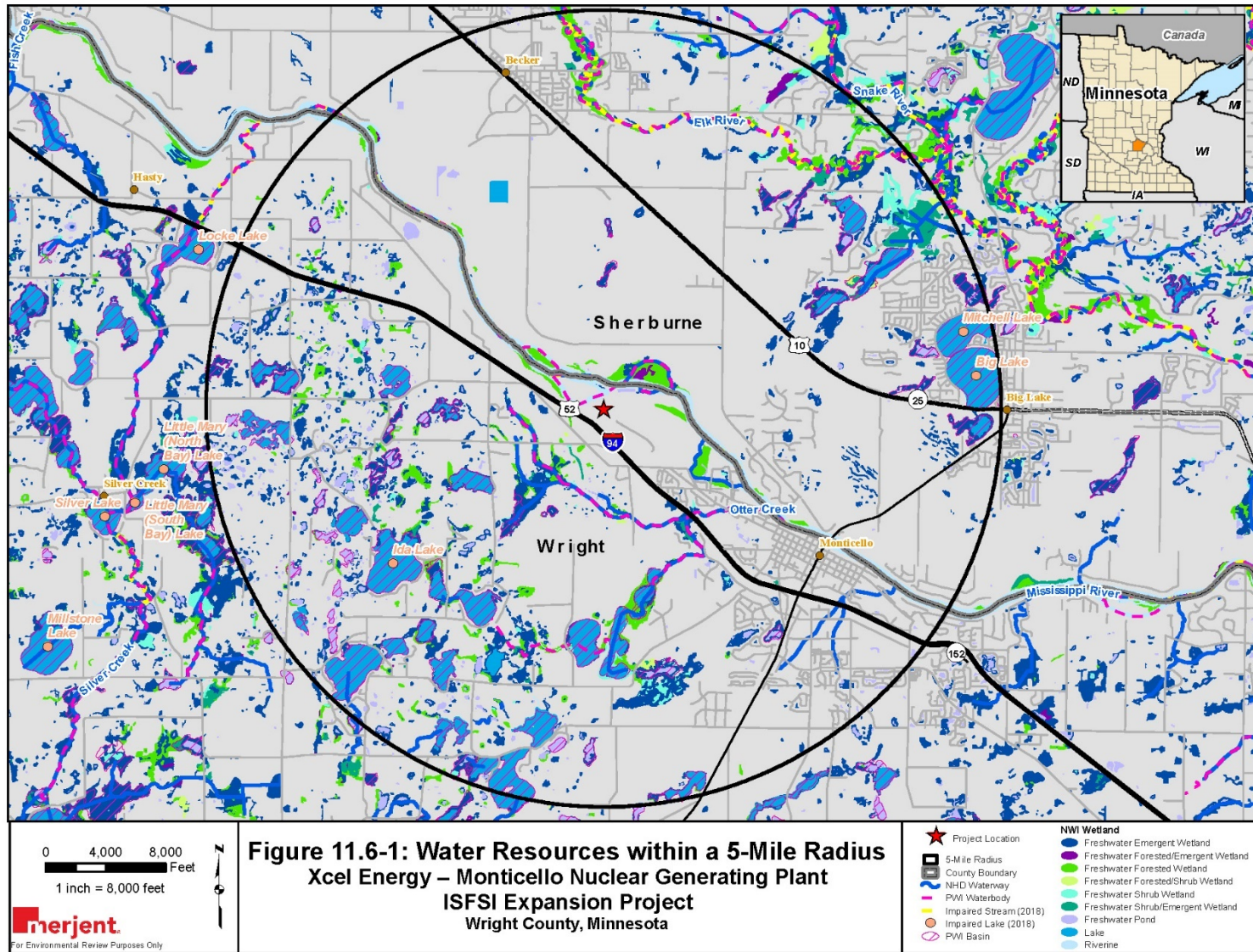
The Mississippi River at this location is broad and relatively turbulent, with a boulder substrate. From about 1.5 miles upstream to 1.5 miles downstream of the Monticello Plant, the river drops 10 feet. The Mississippi River at this location is classified as suitable for aquatic recreation, such as fishing and swimming, and is a protected drinking water source. There are several tributaries to the Mississippi River within 5 miles of the site, which include Silver Creek (about 5 miles upstream) and Otter Creek (about 3 miles downstream). Northeast of the Monticello Plant, the Elk River flows parallel to the Mississippi River for about 4 miles until it converges with the Mississippi River 15 miles downstream.

The Mississippi River is also designated as a Minnesota Pollution Control Agency (MPCA) 303(d) listed water impaired for fecal coliform, mercury, and polychlorinated biphenyls (PCBs), with a state-wide Total Maximum Daily Load in place for mercury in fish tissue.²⁰ The Project will not contribute to the existing impairment status in this reach of the Mississippi River.

¹⁹ Minnesota Department of Commerce. 2006. Final Environmental Impact Statement to Establish an Independent Spent Fuel Storage Installation at the Monticello Generating Plant. Docket No. E002/CN-05-123. March 20, 2005.

²⁰ U.S. Environmental Protection Agency Waters. 2020. How's My Waterway. <https://mywaterway.epa.gov/community/Monticello,%20MN,%20USA/overview>.

Figure 11.6-1 Water Resources within a 5-Mile Radius



The Project will require no water resources for construction or operation of the expansion facilities. The Monticello Plant has an existing National Pollutant Discharge Elimination System (NPDES) permit that regulates stormwater runoff within the property boundary. As the area of construction will be less than one acre in size, Xcel Energy will not be required to obtain MPCA NPDES/State Disposal System permit coverage for stormwater discharges that occur during construction activities. Nevertheless, Xcel Energy would implement BMPs and erosion and sediment controls to ensure contaminated stormwater runoff did not leave the property. Construction BMPs and sediment and erosion control devices would prevent the occurrence of point discharges from the site into any conveyances that could permit sediment or silt-laden runoff into natural flow routes that discharge into the Mississippi River. Perimeter controls, such as silt fence and/or straw wattles, would be installed to ensure sediment or silt-laden runoff does not leave the property. Controls would be installed and maintained in accordance with manufacturer specifications and repaired or replaced when found to be no longer functioning properly. Potential pollutants that could result from construction activities will be related to sediment or oil and gas residue from onsite construction equipment. The ISFSI Project will not expose any industrial activities to stormwater and the existing storage casks will remain secure during construction.

There are many lakes, ponds, and bogs within 5 miles of the Project site. Per the Soil Surveys of Sherburne County²¹ and of Wright County,²² as glaciers retreated from the area the weight of ice blocks left behind produced depressions which filled with melt water from the melting glacial ice. There are no wetlands located within or adjacent to the Project area. The nearest surface water aside from wetland complexes associated with the Mississippi River is a quarry associated with a sand and gravel mining operation, located about 3.2 miles northwest of the proposed ISFSI Project site. Based upon data obtained from the MDNR, there are no designated trout streams or lakes within 5 miles of the expansion site.

Due to its location on the Monticello Plant site and distance from any surface waters, the ISFSI Project would not have impacts to surface water sources. There are no wetlands located within, adjacent to, or near the Project site; therefore, there will be no impacts to wetlands.

11.6.2 Groundwater Resources

²¹ Sherburne County Soil Survey. 2002. Available online at <https://www.nrcs.usda.gov>. Accessed January 22, 2021.

²² Wright County Soil Survey. 1998. Available online at <https://www.nrcs.usda.gov>. Accessed January 22, 2021.

Environmental Information and Alternative Sites

No portion of the Monticello Plant, including the Project site, is located within a Drinking Water Supply Management Area (DWSMA) or Wellhead Protection Area (WPA).²³ Table 11.6-2 identifies the wells located on the Monticello Plant property. The next nearest well is located about 1.5 miles southeast of the Monticello Plant property at the River Terrace Campground and Mobile Home Park property.

Well ID	Well Name	Well Depth	Well Use
197429	Monticello Plant Well 1	80	Site Admin. Bldg.
236025	Monticello Plant Well 2	93	Plant Admin. Bldg.
437214	Monticello Plant Well 3	72	Plant Eng. Bldg.
218039	Monticello Plant Well 4	80	Plant Admin. Bldg.
706817	Monticello Plant Well 7	65	Security Training Facility
731132	Monticello Plant Well 8	73	Shipping and Receiving Warehouse
786216	Monticello Plant Well 9	73	Security Training Facility

As construction and operation of the ISFSI will not use any groundwater sources, and the excavation needed to construct the facility will not impact the groundwater table, the Project would not have impacts on groundwater hydrology.

11.7 TRANSPORTATION

The highways and major roads within five miles of the proposed expansion site are Interstate 94; Minnesota Highways 10 and 52; County Highway 25; and County Roads 17, 18, 39, 73, 75, 81, and 106. Interstate 94/US Highway 52 runs northwest from the Minneapolis/St. Paul Metropolitan area and is located less than one mile south of the proposed ISFSI Project site. County Road 75 will experience the greatest traffic impact as that is the major road by which the Monticello Plant is accessed.

The only airport within 5 miles of the proposed expansion site is the Flynn Airport, a private jet airport located about 3.7 miles east-southeast and across the Mississippi River from the Monticello Plant. The expansion project will have no impact on this private airport. The closest major airport is the St. Cloud Municipal Airport, which is located about 21 miles northwest of the Monticello Plant. The Minneapolis-St Paul International Airport (MSP) is the closest international airport to the Monticello Plant,

²³ Minnesota Department of Health Well Index (MDH-MNWI). Available online at <https://mnwellindex.web.health.state.mn.us/#>. Accessed January 8, 2021.

located about 30 miles southeast. There is no reasonable potential for the ISFSI Project to impact this airport.

The Monticello Subdivision is a Burlington Northern Santa Fe Railway (BNSF) branch line that parallels Interstate 94 along the western border of the Monticello Plant. The portion of this railway through Monticello is only used for special moves to the Monticello Plant and is otherwise no longer operational in the area.²⁴ No impacts to the railway will occur as a result of the ISFSI Project.

Figure 11.7-1 depicts major roadways and transportation systems within a 5-mile radius of the proposed ISFSI Project.

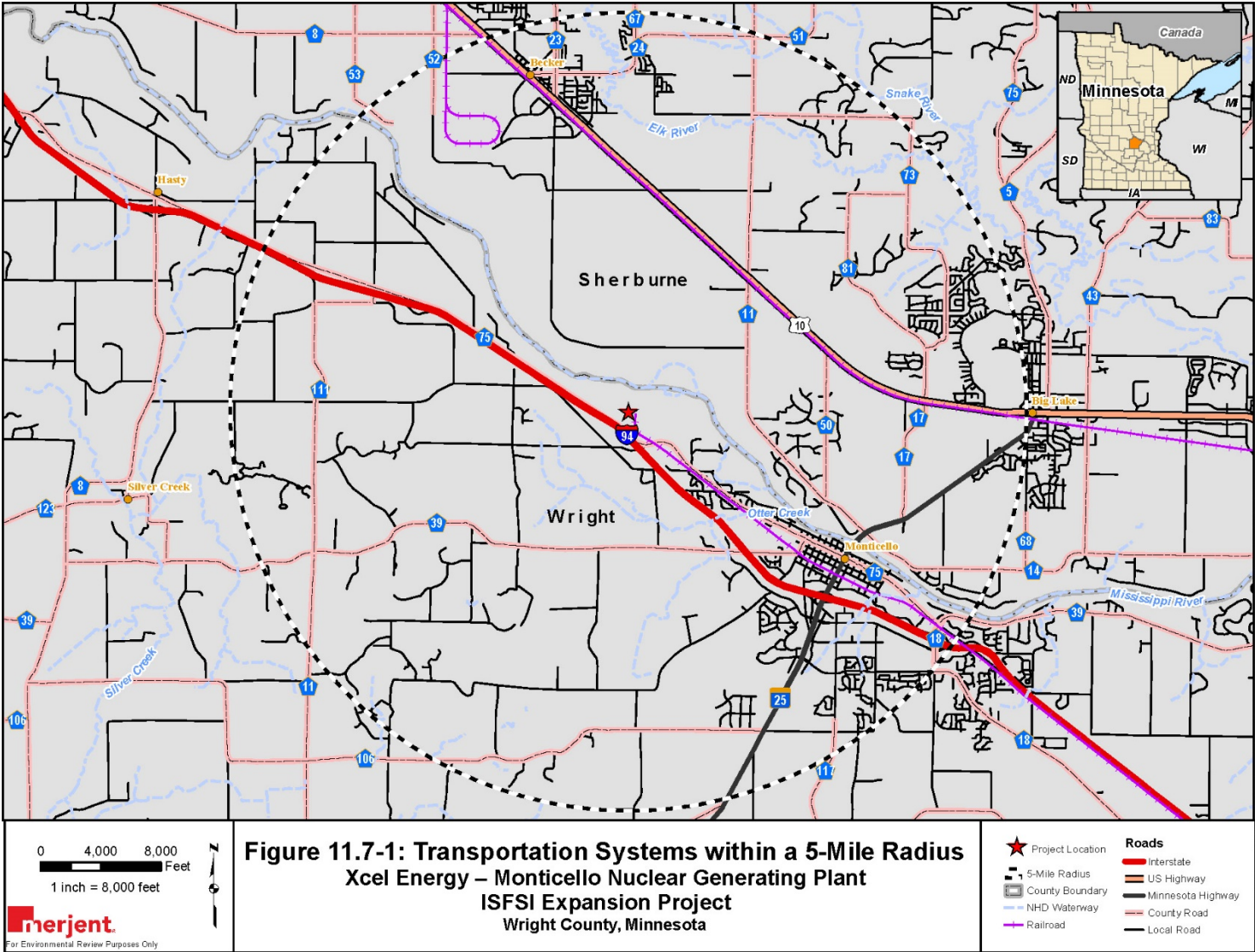
No parking spaces are currently located at the ISFSI, nor will any be added as adequate parking exists at the adjacent the Monticello Plant parking lots. The equipment that will be employed to construct the Project will include bulldozers, scrapers, front end loaders, graders, dump trucks, cement trucks, delivery trucks, and various small support vehicles.

During the six-month construction period, a total of 40 construction workers are estimated with a peak at any one time of 12 workers and an average of 8 workers during a 40-hour week. Additional traffic will be generated from truck deliveries and commuting workers. It is estimated that construction activities and deliveries will add an average of 7 trips each day and commuting will add up to 16 trips (two per round trip) each day. Alternative transportation methods in the area that could be used by construction personnel are limited and will not likely be used. Construction activities will be conducted during daytime hours.

With a peak construction force of 12 workers, the peak hour traffic generated during the morning and evening commuting hours will be 12 vehicles. During peak construction activity (between the morning and evening commuting hours) it is estimated that the peak hour traffic generated due to deliveries will be three trucks. The addition of 12 vehicles on local roadways during construction activities will not create any construction-related traffic impacts. No traffic impacts will occur during operation of the ISFSI facility.

²⁴ Minnesota Department of Transportation. 2012. Central Minnesota Freight Plan. <http://www.dot.state.mn.us/planning/freightplan/central/PDF/Rail.pdf>.

Figure 11.7-1 Transportation Systems within a 5-Mile Radius



11.8 RECREATIONAL AND VISUAL RESOURCES

11.8.1 National Resources

The Silver Creek Waterfowl Protection Area (WPA) (administered by FWS) is located within Lake Maria State Park, about 4.3 miles southwest of the Monticello Plant. The Sherburne National Wildlife Refuge, which is also administered by the FWS, is located about 9.0 miles northeast of the Monticello Plant.

The Project is also located within the nationally designated "Mississippi River Scenic Byway Corridor," which was designated to preserve, promote and enhance the scenic, historic, and recreational resources of the Mississippi River. There are no other national natural landmarks, national wilderness areas, national wildlife refuges, national wild and scenic rivers, national parks, national forests, national trails, or national waterfowl production areas within 5 miles of the proposed ISFSI Project site.

The proposed ISFSI Project site is also located within the designated "Great River Road National Scenic Byway." Wright County Road 75 to Wright County Road 39 in Monticello is a State of Minnesota designated Great River Road in collaboration with the national designation. The Mississippi River Trail is also located within this same corridor and is comprised of on- and off-road bike trails, river accesses, and scenic stops. The proposed ISFSI Project site will not be visible from either the Mississippi River or adjacent roadways, nor will the proposed expansion impact any existing recreational opportunities along this reach of the Mississippi River or to national parks and management areas in the vicinity.

11.8.2 State Resources

The Mississippi River from St. Cloud to Anoka was added to Minnesota's Wild & Scenic Rivers Program in 1976; this reach of the Mississippi passes by the Monticello Plant. The intent of the State Wild and Scenic Rivers Act is to preserve and protect the outstanding natural, historical, recreational, scenic, and scientific values associated with certain Minnesota rivers and adjacent lands through the prevention of intensive development and overuse.

The reach of the Mississippi that passes by the Monticello Plant is within the area designated as "recreational." Recreational rivers are those that may have undergone some degree of impoundment or diversion in the past and that may have adjacent lands which are considerably developed, but that are still capable of being managed to further the purposes and intent of the designation. This means that bordering lands may have

already been developed for a full range of agricultural or other land uses and may also be readily accessible by pre-existing roads or railroads.²⁵

Lake Maria State Park is located across Interstate 94 and about 4.3 miles southwest of the Monticello Plant. The Kelly-Meyer Wildlife Management Refuge, which is also administered by the MDNR, is located about 1.7 miles southwest of the Monticello Plant, across Interstate 94. There are no Minnesota state forests within 5.0 miles of the Monticello Plant; Sand Dunes State Forest and the Uncas Dunes Scientific and Natural Area (SNA) are located about 10.0 miles northeast of the Monticello Plant, adjacent to the Sherburne National Wildlife Refuge.

No other state critical areas, state wildlife management areas, state scientific and natural areas, state wild, scenic, and recreational rivers, state parks, state scenic wayside parks, state recreational areas, state forests, state trails, state canoe and boating rivers, state zoos, designated trout streams, or designated trout lakes are located within 5.0 miles of the proposed ISFSI Project site. Due to the Project's distance from state parks and management areas in the vicinity, no impacts are anticipated.

11.8.3 County and Local Resources

The following county and local parks and recreational areas are located within 5.0 miles of the Monticello Plant.

- Harry Larson County Forest: The Harry Larson County Forest is located about 3.5 miles northwest of the Monticello Plant, across Interstate 94, and consists of pothole marshes, oak forest, hiking and skiing trails, and picnicking opportunities.
- Bertram Chain of Lakes Regional Park: The Bertram Chain of Lakes Regional Park is located across Interstate 94, about 2 miles south of the Monticello Plant. Recreational activities at the Park include biking, hiking, and cross-country skiing trails, fishing, swimming, and picnicking.
- Bridgeview Park Reserve: The Bridgeview Park Reserve is part of the Wild and Scenic River System and is located across the Mississippi River in Sherburne County, about 3 miles southeast of the Monticello Plant. This is a riverside park with hiking and snowshoeing trails.
- Montissippi County Park: The south-eastern boundary of the Monticello Plant property is adjacent to Montissippi County Park, which is equipped with picnic

²⁵ Minnesota Department of Commerce. 2006. Final Environmental Impact Statement to Establish an Independent Spent Fuel Storage Installation at the Monticello Generating Plant. Docket No. E002/CN-05-123. March 20, 2005.

Environmental Information and Alternative Sites

tables, shelters, and river access points. The proposed ISFSI Project site is located a minimum of 0.6 mile from the nearest access to the park.

- **River Terrace RV Park:** The River Terrace RV Park is located along the Mississippi River, southeast of and adjacent to the Montissippi County Park. The park consists of RV campsites and associated park buildings.
- **Monticello City Softball Fields:** The Monticello City Softball Fields complex is located about 0.75 mile southeast of the proposed Project site. This park consists of four softball fields and associated structures such as bleachers, dugouts, and the complex building.
- **Monticello Country Club, Golf Course, and Park:** The Monticello Country Club and Golf Course are located about 2.25 miles southeast of the proposed Project site. The recreational area consists of the semi-private 18-hole golf course, golf shop, and the club building. The Country Club Park is located south of the golf course across Golf Course Road in a residential area and consists of an undeveloped field and outdoor gym equipment.
- **Pebble Creek Country Club and Golf Course:** The Pebble Creek Country Club and Golf Course is located in the City of Becker, about 5 miles north of the Monticello Plant. An 18-hole championship course and a 9-hole local course are present onsite, in addition to the Clubhouse.
- **Becker SD Athletic Fields:** The Becker SD Athletic Fields are located about 4.75 miles northwest of the Monticello Plant and are comprised of eight ball fields, eight tennis courts, a football field, and a track.
- **Becker Athletic Complex and Community Center:** The Becker Athletic Complex is located about 4.75 miles north of the Monticello Plant and consists of six ball fields, soccer and football fields, and playground equipment.
- **Additional local parks, private or part of the City of Monticello's Park's and Pathway's Department, the City of Becker's Parks and Recreation Department, or the City of Big Lake's Parks and Recreation Department, within 5 miles of the Monticello Plant are listed below:**

4th Street Park

Battle Rapids Park

Becker City Park

Bridge Park - East

Cardinal Hills Park

Lake Ridge Park

Lakeside Park

Mitchell Farms Park

Norland Park

Pioneer Park

Environmental Information and Alternative Sites

Carl E. Johnson Park	Pleasant Valley Park
Ellison Park	River Edge Park
Fallon Ave Park	River Mill Park
Fish Park	Snuffly's Landing
Highline Park	Swan Park
Kellerwood Park	Tot Lot
Kolbinger Park	West Side Park
Lake Mitchell Park	

No other areas designated by regional or local authorities as having recreational, cultural, historical, or scientific significance, as indicated by local units of government, are located within 5 miles of the proposed ISFSI Project site. Due to the Project's distance from county and local parks and recreation areas in the vicinity, no impacts are anticipated.

11.9 HISTORIC AND ARCHAEOLOGICAL RESOURCES

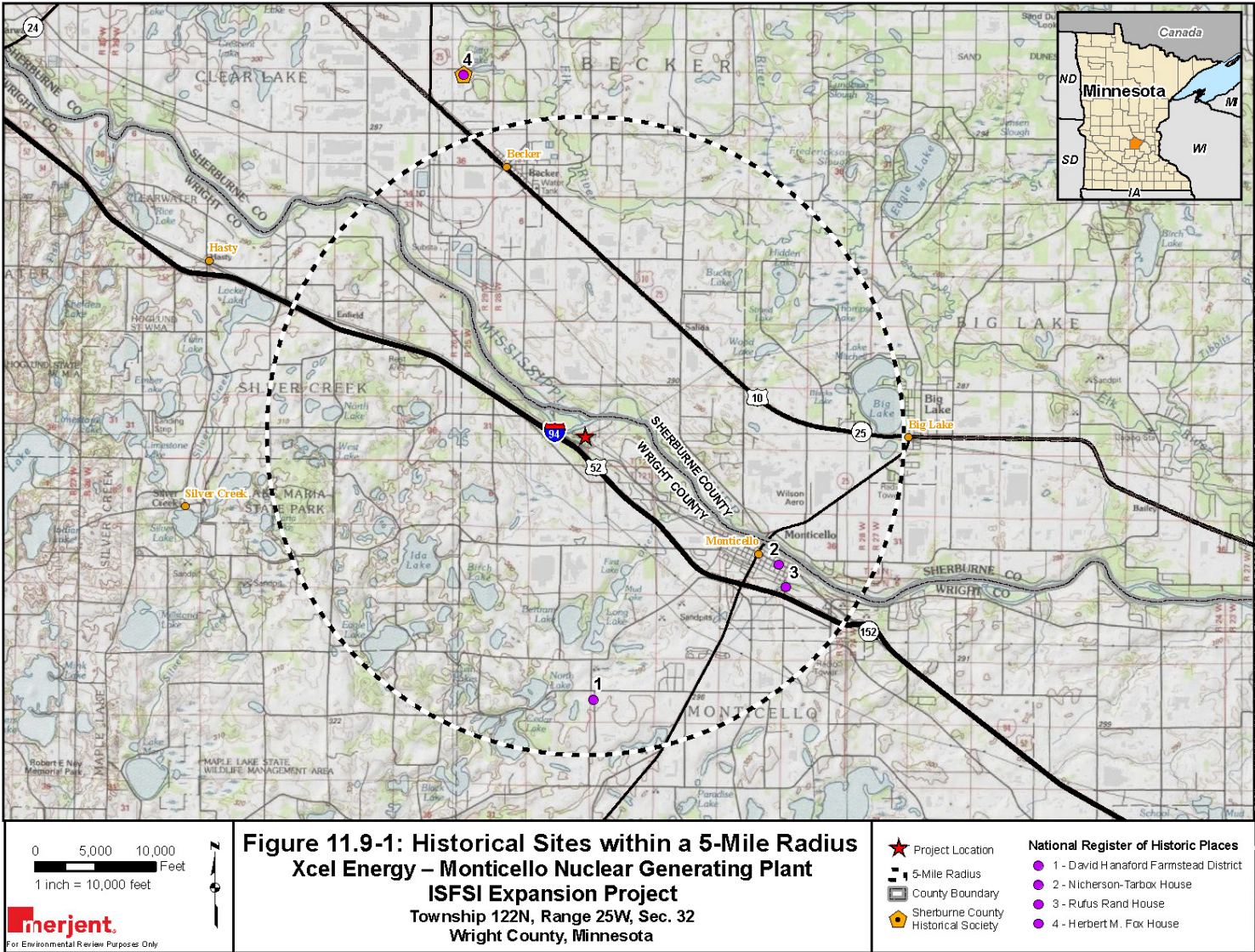
There are no above-ground historic sites or archaeology sites within the Project boundary and the surrounding area within a 1-mile radius of the Monticello Plant. Within a 5-mile radius, 55 above-ground historic sites have been recorded, including 21 houses, 17 farmsteads, an airplane hangar, ferry landing, and several churches, stores, and bridges, all recorded in Monticello and Becker Counties. There are also two railway segments recorded in Big Lake. These properties represent the early Euro-American settlement and development of the area, both private enterprise and public infrastructure. Four of these historic sites, detailed in Table 11.9-1 below, are listed on the National Register of Historic Places (NRHP). Two additional architectural properties that were reported in previous Monticello Plant environmental review documents have been removed from the listing. The Simpson Methodist Episcopal Church, listed in 1979, was moved in 2004 from its original Monticello location. The Tobias G. Mealey House, also in Monticello and listed in 1976, has since been razed. Both properties have been removed from the NRHP (*Changes to the National Register of Historic Places in Minnesota, 2003-2010*; Minnesota SHPO). None of the 55 inventoried properties or four (4) NRHP-listed properties will be impacted by the proposed Project.

<p align="center">Table 11.9-1 Monticello ISFSI Project – Historic Properties listed on the NRHP Within 5 miles of the Project</p>			
Historic Property Name	Year Listed	Approximate Distance from Project	Description
David Hanaford Farmstead District	1979	4.5 miles	Circa 1850 farmstead
Tarbox House	1979	3.3 miles	Circa 1875 Queen Anne Style house, shed and barn
Rufus Rand House	1979	3.8 miles	Circa 1884 Queen Anne Style summer house and carriage barn
Herbert M. Fox House	1980	5.0 miles	Circa 1875 house

In addition to these four NRHP-listed properties, the Sherburne History Center is located about 5.5 miles north of the Project. In 2006, the Herbert Fox farmhouse was moved to the grounds of the Sherburne History Center. The original property that included the Fox farmhouse is 5 miles from the Project. Although it has been relocated, the Fox farmhouse remains on the NRHP. The nearest Minnesota Historical Society Site and National Landmark is the Oliver Kelley Farmstead which is located about 10 miles away from the Project in Elk River.

Twenty-four archaeology sites have been recorded within 5 miles of the Project. Of these, 14 are prehistoric sites; three habitation sites, 10 artifact or lithic scatters, and one earthwork, a possible burial mound. Seven sites are historic farmsteads. As archaeology sites, these seven sites contain buried material within a farmstead, whether the above-ground farmstead structures remain intact or not. Three recorded sites are alpha sites, reported archaeology sites that have not been professionally field-verified. The recorded archaeology sites, all outside of the Project area and a 1-mile buffer, represent the prehistoric occupation of the vicinity, which is well documented in this region of Minnesota that lies in both prairie and forest, as well as the Euro-American occupation and development of the region. None of the archaeology sites have been evaluated for eligibility to be listed on the NRHP and none will be impacted by the Project. Figure 11.9-1 depicts the 5-mile area reviewed for cultural and historical resources.

Figure 11.9-1 Historical Sites within a 5-Mile Radius



The proposed Project site is located about 600 feet south of the Mississippi River. This proximity to a water source generally indicates a high probability for archaeological resources. However, according to original licensing documents, no archeological resources were found during investigations conducted during the initial siting and licensing of the Monticello Plant.²⁶ Additionally, the Minnesota Office of the State Archaeologist (OSA) online database documents numerous cultural resource investigations in the Project area and vicinity (2020). The expansion will not impact the recorded historic and archaeology sites within 5 miles of the Monticello Plant and, because of the prior surveys of the Project area and the disturbance due to the construction of the Monticello Plant and the ISFSI, the potential to impact cultural resources during Project construction and operations activities is very low.

Xcel Energy submitted a Project review request letter to the Minnesota SHPO on January 26, 2021. The letter detailed the recorded historic and archaeology sites within 5 miles of the proposed Project, explained that no sites were in the Project area or surrounding 1-mile buffered area, and requested concurrence that no additional cultural resources work was necessary before the Project begins.

The SHPO responded on March 3, 2021; correspondence is included in Appendix B. SHPO found no discrepancies in Xcel Energy's review of NHRP data as compared to its records. In addition, SHPO agreed with Xcel Energy's finding that the proposed Project will not impact the designated historic properties and recorded archaeological sites, most of which are located two (2) miles or further from the project site. Finally, based upon SHPO's understanding of the extent of previous ground disturbance and the proposed ground disturbance associated with the new storage pad construction at the ISFSI site, SHPO agreed that the likelihood of intact archaeological features/sites is low and that no additional field survey is warranted for the Project.

Xcel Energy maintains a procedure titled *Archaeological, Cultural, and Historic Resources* that supports the protection of such resources discovered on nuclear sites operated by Xcel Energy by raising awareness about the federal and state laws which protect these resources. The procedure applies to all ground-disturbing activities on the Monticello Plant site, which will include the proposed expansion activities, and requires completion of an Excavation Permit and compliance with another site procedure, *Excavation and Trenching Controls*. Together, these procedures require Xcel Energy to consider site review for such resources and potential consultation with qualified archaeologists, the

²⁶ Xcel Application to the Minnesota Public Utilities Commission for a Certificate of Need to Establish an Independent Spent Fuel Storage Installation at the Monticello Generating Plant. January 18, 2005. Docket # E002/CN-05-123. Available online at <https://www.lrl.mn.gov/webcontent>.

SHPO, and other agencies, including tribal governments, as appropriate, prior to the execution of work to protect previously undiscovered cultural resources.

11.10 Demographics

Population information was obtained from the 2016 United States Census Bureau Topologically Integrated Geographic Encoding and Referencing system (TIGER) Line Shapefile and from 2019 population information found on the Census Bureau website (US Census Bureau). The total permanent population within 50 miles of the Plant is about 3,504,233, as it includes a large portion of the northwestern Minneapolis-St. Paul metropolitan area. Table 11.10-1 below outlines the demographics of the City of Monticello and Wright County.

Table 11.10-1 Monticello ISFSI Project – Wright County and Monticello Demographics*		
Demographics	Wright County	City Monticello
POPULATION		
Population estimates, July 1, 2019 (V2019)	138,377	13,824
Population estimates base, April 1, 2010 (V2019)	124,697	12,793
Population, percent change April 1, 2010 (estimates base) to July 1, 2019 (V2019)	11.0%	8.1%
Population, Census, April 1, 2010	124,700	12,759
AGE AND SEX		
Persons under 5 years, percent	6.8%	8.8%
Persons under 18 years, percent	27.7%	27.7%
Persons 65 years and over, percent	13.0%	11.7%
Female persons, percent	49.4%	51.2%
RACE AND HISPANIC ORIGIN		
White alone, percent	94.4%	89.8%
Black or African American alone, percent(a)	1.8%	1.2%
American Indian and Alaska Native alone, percent(a)	0.4%	0.6%
Asian alone, percent(a)	1.4%	1.2%
Native Hawaiian and Other Pacific Islander alone, percent(a)	—	0.0%
Two or More Races, percent	1.9%	3.0%

Table 11.10-1		
Monticello ISFSI Project – Wright County and Monticello Demographics*		
Demographics	Wright County	City Monticello
Hispanic or Latino, percent(b)	3.1%	8.2%
White alone, not Hispanic or Latino, percent	91.7%	86.1%
HOUSING		
Housing units, July 1, 2019 (V2019)	53,282	X
Owner-occupied housing unit rate, 2015-2019	81.6%	71.0%
Median value of owner-occupied housing units, 2015-2019	\$238,500	\$199,900
Median selected monthly owner costs -with a mortgage, 2015-2019	\$1,626	\$1,404
Median selected monthly owner costs -without a mortgage, 2015-2019	\$538	\$444
Median gross rent, 2015-2019	\$969	\$1,023
FAMILIES & LIVING ARRANGEMENTS		
Households, 2015-2019	48,242	5,092
Persons per household, 2015-2019	2.76	2.63
Living in same house 1 year ago, percent of persons age 1 year+, 2015-2019	90.3%	86.7%
Language other than English spoken at home, percent of persons age 5 years+,2015-2019	4.1%	8.2%
EDUCATION		
High school graduate or higher, percent of persons aged 25 years+, 2015-2019	94.9%	90.1%
Bachelor's degree or higher, percent of persons aged 25 years+, 2015-2019	29.6%	19.3%
HEALTH		
With a disability, under age 65 years, percent, 2015-2019	6.3%	9.6%
Persons without health insurance, under age 65 years, percent	4.0%	4.0%
ECONOMY		
In civilian labor force, total, percent of population age 16 years+, 2015-2019	74.2%	72.6%

Table 11.10-1 Monticello ISFSI Project – Wright County and Monticello Demographics*		
Demographics	Wright County	City Monticello
In civilian labor force, female, percent of population age 16 years+, 2015-2019	70.3%	67.0%
Total accommodation and food services sales, 2012 (\$1,000)(c)	123,821	D
Total health care and social assistance receipts/revenue, 2012 (\$1,000)(c)	397,728	D
Total manufacturer shipments, 2012 (\$1,000)(c)	1,184,940	314,406
Total merchant wholesaler sales, 2012 (\$1,000)(c)	636,863	231,556
Total retail sales, 2012 (\$1,000)(c)	1,713,538	346,729
Total retail sales per capita, 2012(c)	\$13,457	\$26,746
TRANSPORTATION		
Mean travel time to work (minutes), workers aged 16 years+, 2015-2019	30.5	27.6
INCOME & POVERTY		
Median household income (in 2019 dollars), 2015-2019	\$84,974	\$70,394
Per capita income in past 12 months (in 2019 dollars), 2015-2019	\$36,260	\$28,965
Persons in poverty, percent	5.2%	6.6%
Source: ²⁷ The vintage year (e.g., V2019) refers to the final year of the series (2010 thru 2019). Fact Notes: (a) Includes persons reporting only one race (b) Hispanics may be of any race, so also are included in applicable race categories (c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data Value Flags - Either no/too few sample observations available to compute an estimate, or ratio of medians cannot be calculated because one/both of the median estimates falls in the lowest or upper interval of an open-ended distribution. D Suppressed to avoid disclosure of confidential information. F Fewer than 25 firms FN Footnote on this item in place of data N Data for this geographic area cannot be displayed because the number of sample cases is too small.		

²⁷ U.S. Census Bureau. 2019. Available online at <https://www.census.gov/quickfacts/fact>. Accessed January 28, 2021.

Table 11.10-1 Monticello ISFSI Project – Wright County and Monticello Demographics*		
Demographics	Wright County	City Monticello
NA	Not available	
S	Suppressed; does not meet publication standards.	
X	Not applicable	
Z	Value greater than zero but less than half unit of measure shown.	

Figure 11.10-1 presents this data for the permanent population within 50 miles of the Monticello Plant by minor civil divisions.

Figure 11.10-1 Population Density within 50 Miles

