



Kankakee Basin Regional Water Study



The Kankakee River flowing through Kankakee River State Park

Prepared By:



December 2025



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APPENDIX I

Historical and Projected Future Water Demand Summaries by County



**KANKAKEE BASIN REGIONAL WATER STUDY
APPENDIX I – HISTORICAL AND PROJECTED FUTURE WATER DEMAND SUMMARIES BY
COUNTY**

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Historical and Projected Future Water Demand Summaries by County
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Appendix I Historical and Projected Future Water Demand Summaries by County

This Appendix presents a single-page summary of the historical and projected future water demand for each county in the Study Area. Each summary includes:

- A reference map showing the county, major cities, the county's location within the Kankakee Basin, and the subbasin(s) of the county.
- Historical and projected future water demand by source type (e.g., surface water intakes and groundwater wells). The historical water source type data was taken from the significant water withdrawal facility database.¹ The projected future water use type was calculated assuming the water source by county and sector (e.g., public supply, industrial, etc.) would remain constant. The demand by future water source should not be interpreted as an estimate of available, sustainable groundwater or surface water withdrawal volumes.
- Historical and future projected water demand by water use sector.

Data is presented for the period 1985-2075. There is limited historical data for some sectors. For example, reported water use for energy production only began in 2001, which caused a jump in demand for some counties. Similarly, this Study's estimates for self-supplied water demand begins in 2009 due to availability of population data. Detailed methodology and explanation for differing data availability is provided in Appendix C.

Figure I-1 shows historical and projected water demand for all of Kankakee Basin by county. Between 2000 and 2023 the volume of average annual water withdrawals was highest in Jasper County (31% of total basin withdrawals). The volume of average annual water withdrawals during that same time period in La Porte County, St. Joseph County, and Lake County was fairly equal at 17%, 16%, and 15% of total withdrawals, respectively. By 2050, water withdrawals in St. Joseph County are projected to be the largest in the study area, increasing to 26% of total basin withdrawals. Whereas water withdrawals in Jasper County decline to 21% of total withdrawals for the same period (down from 31% in 2023). Projected future water withdrawals in La Porte County and Lake County are expected to be 18% and 13% of total basin withdrawals during this period, respectively.

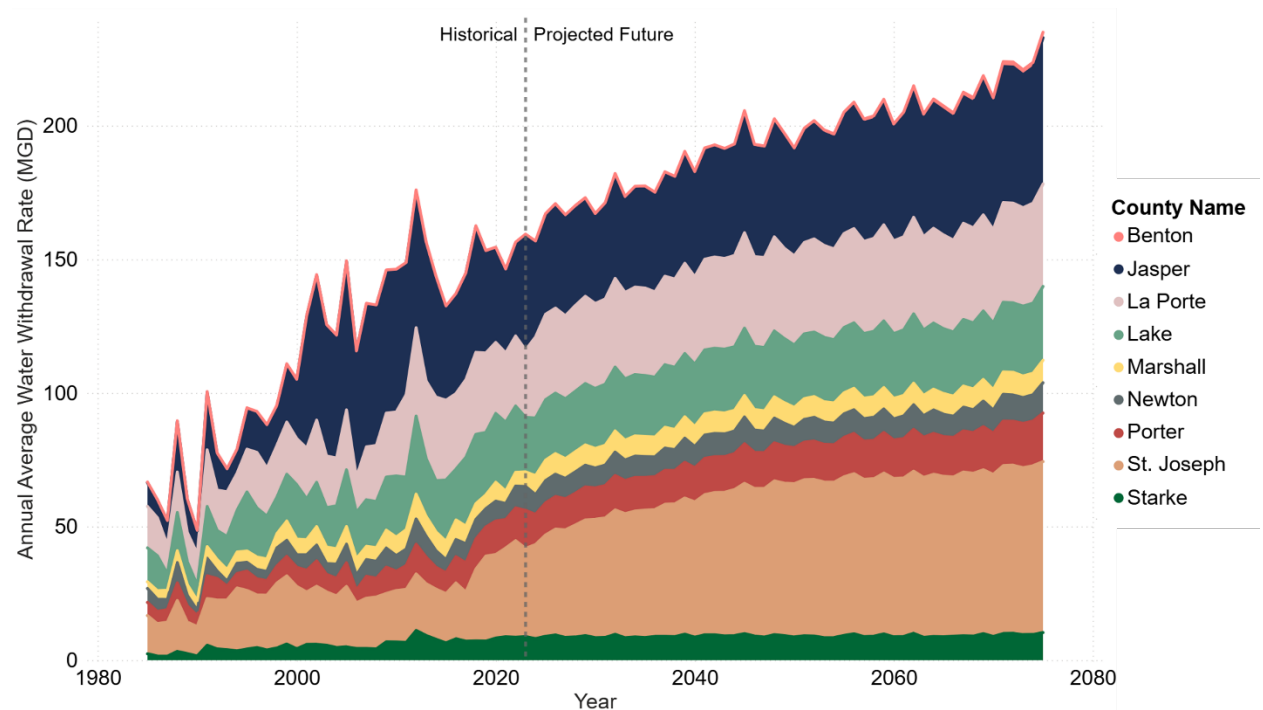
¹ Indiana Department of Natural Resources (IDNR). 2025. Significant Water Withdrawal Facility data 1985 to 2023. <https://www.in.gov/dnr/water/water-availability-use-rights/significant-water-withdrawal-facility-data/>



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Historical and Projected Future Water Demand Summaries by County
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Key:

MGD = million gallons per day

Figure I-1. Historical (1985 to 2023) and Projected Future (2023 to 2072) Average Annual Water Demand in Kankakee Basin, by County (MGD)

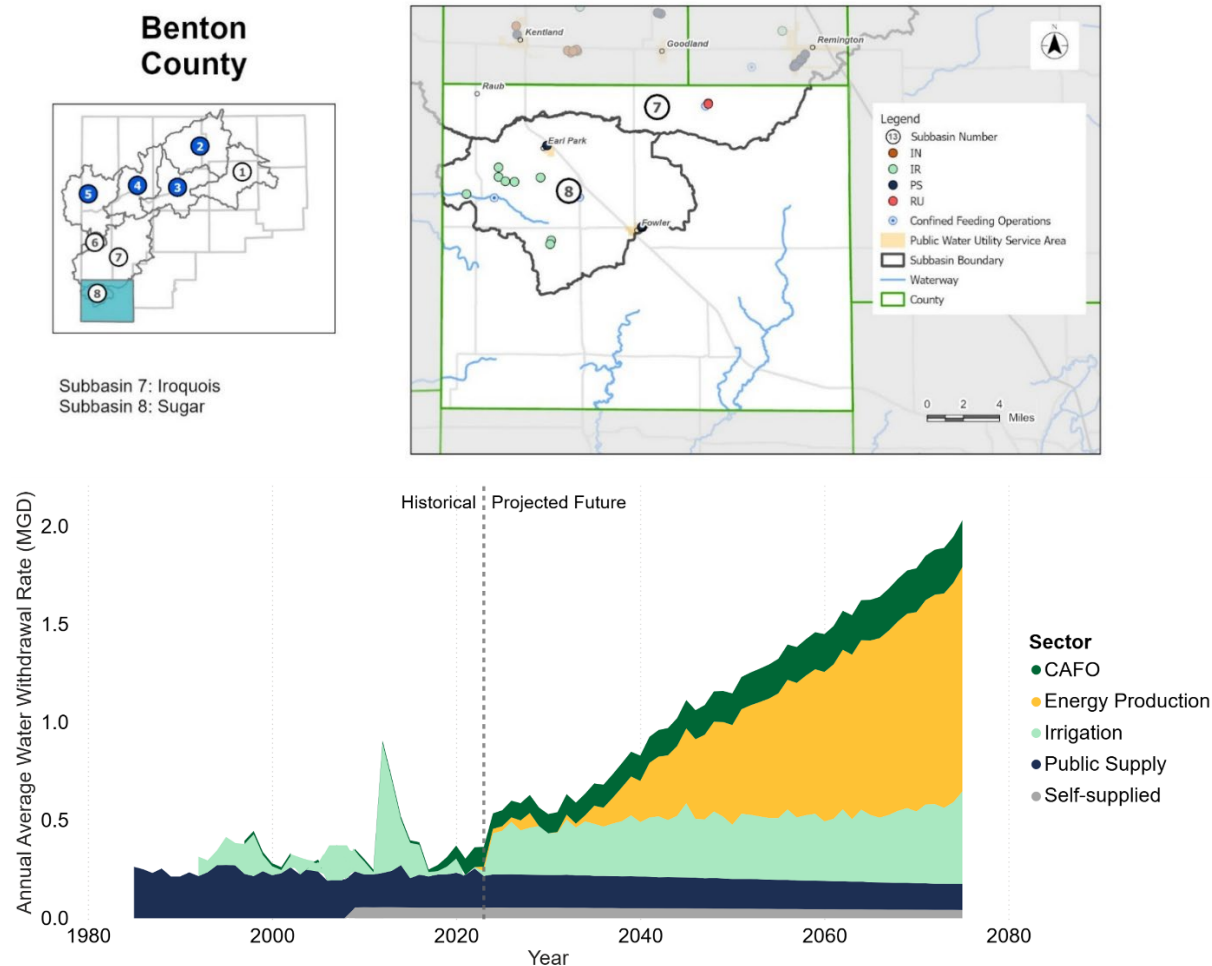


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I.1 Benton County



Key:

MGD = million gallons per day

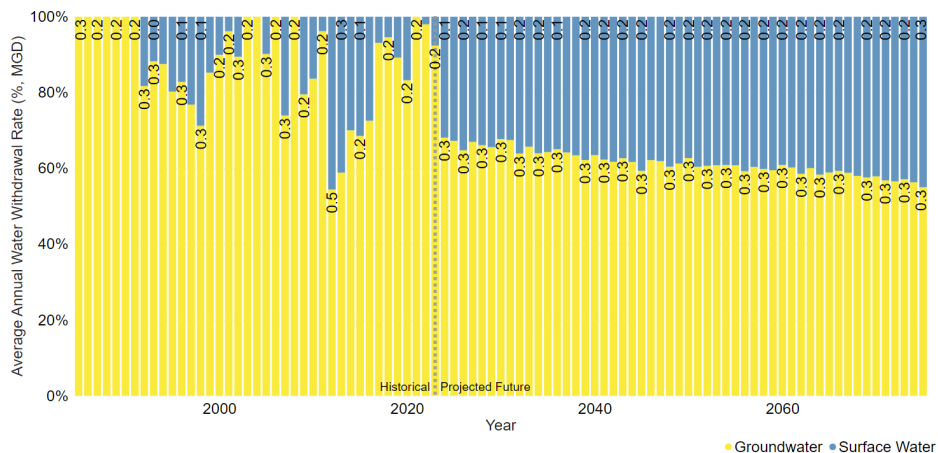
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Historical and Projected Future Water Demand by Source Type (MGD)

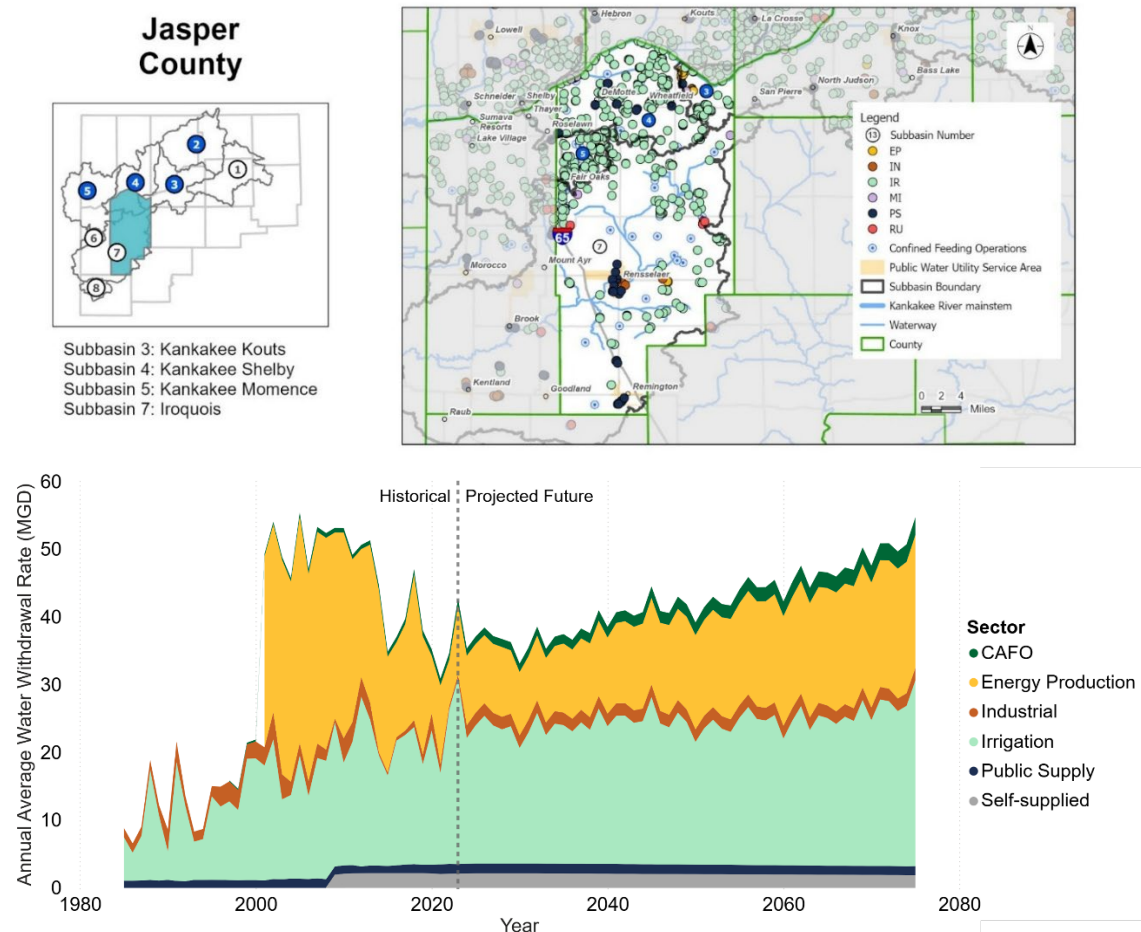


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I.2 Jasper County



Key:

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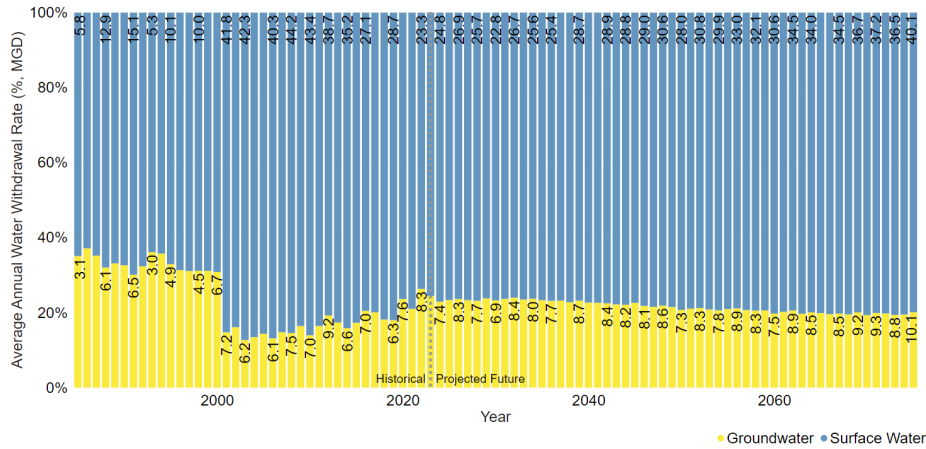
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Historical and Projected Future Water Demand by Source Type (MGD)

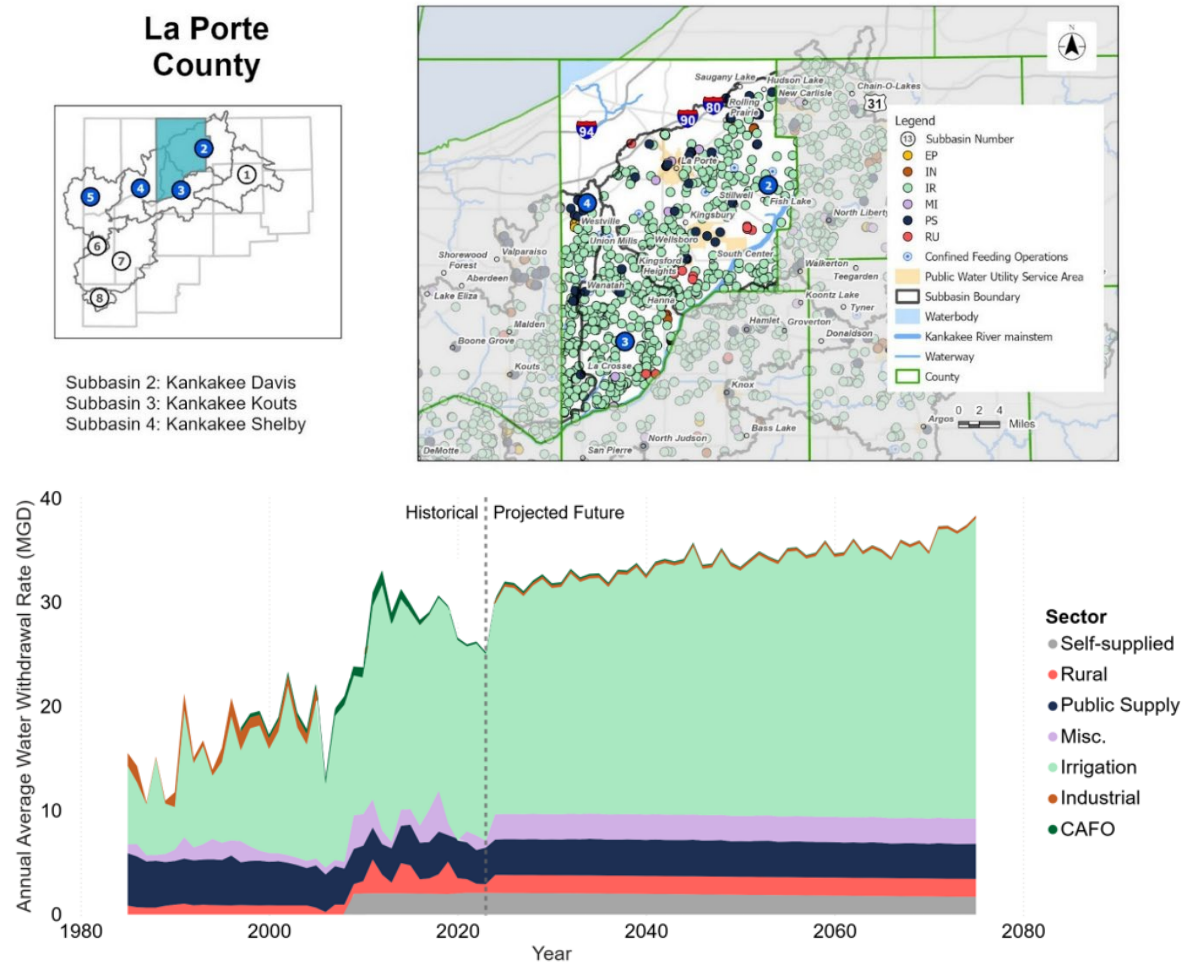


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I.3 La Porte County



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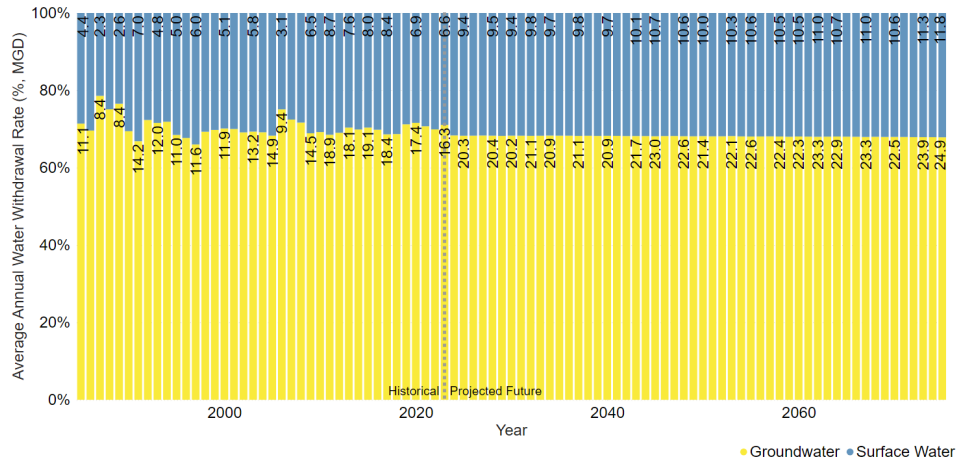
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Key:

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Historical and Projected Future Water Demand by Source Type (MGD)

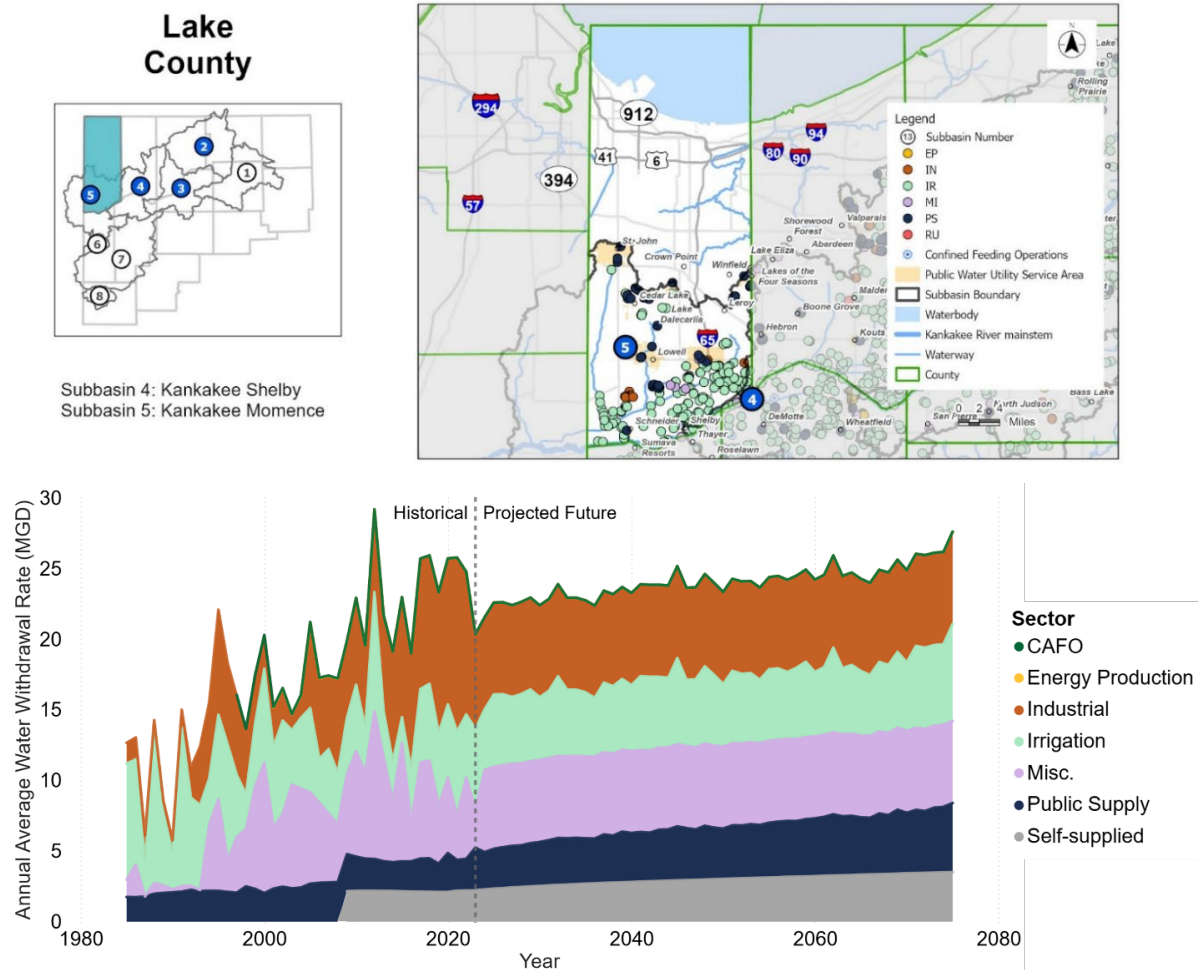


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I.4 Lake County



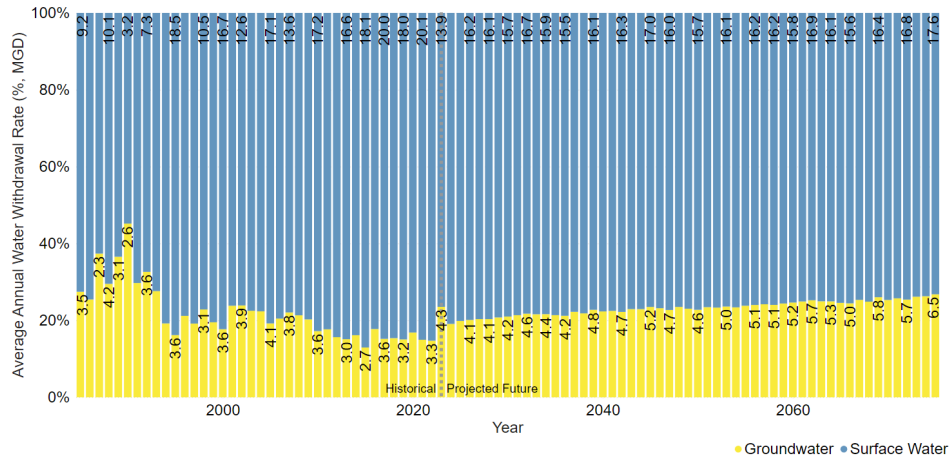
Historical and Projected Future Water Demand by Water Use Sector (MGD)



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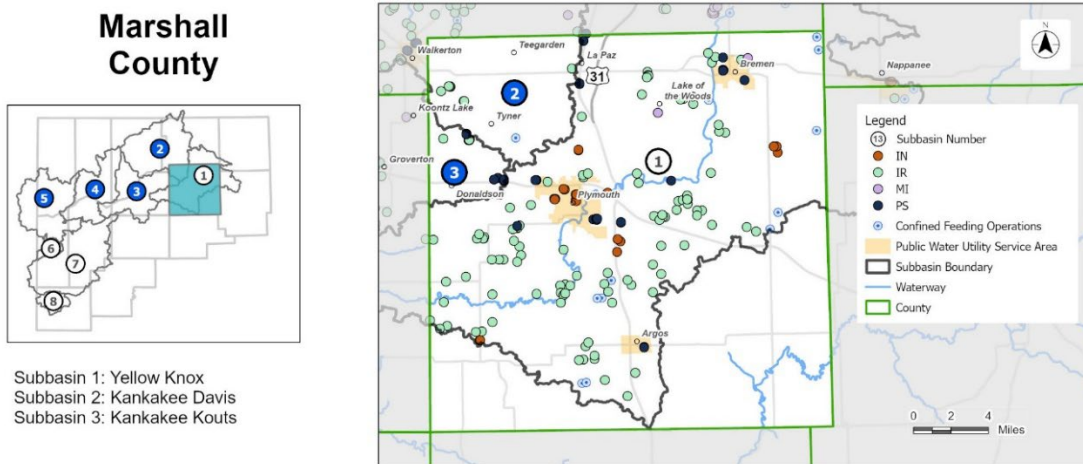


Key:

MGD = million gallons per day

Historical and Projected Future Water Demand by Source Type (MGD)

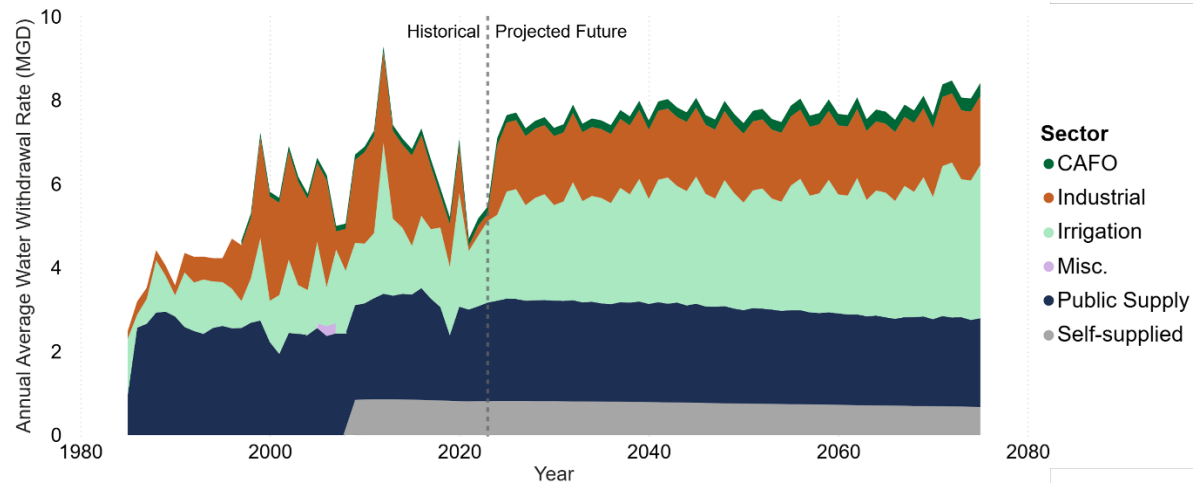
I.5 Marshall County



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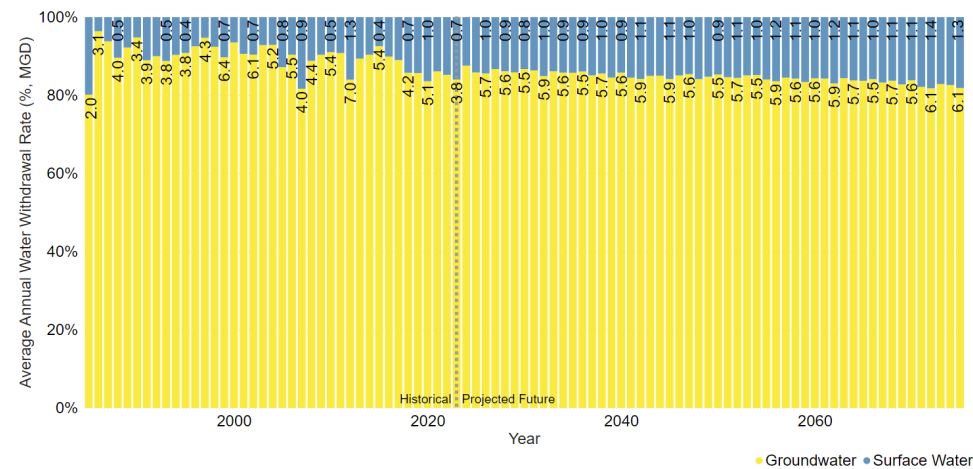
Historical and Projected Future Water Demand Summaries by County
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Key:

MGD = million gallons per day

Historical and Projected Future Water Demand by Water Use Sector (MGD)



Key:

MGD = million gallons per day

Historical and Projected Future Water Demand by Source Type (MGD)

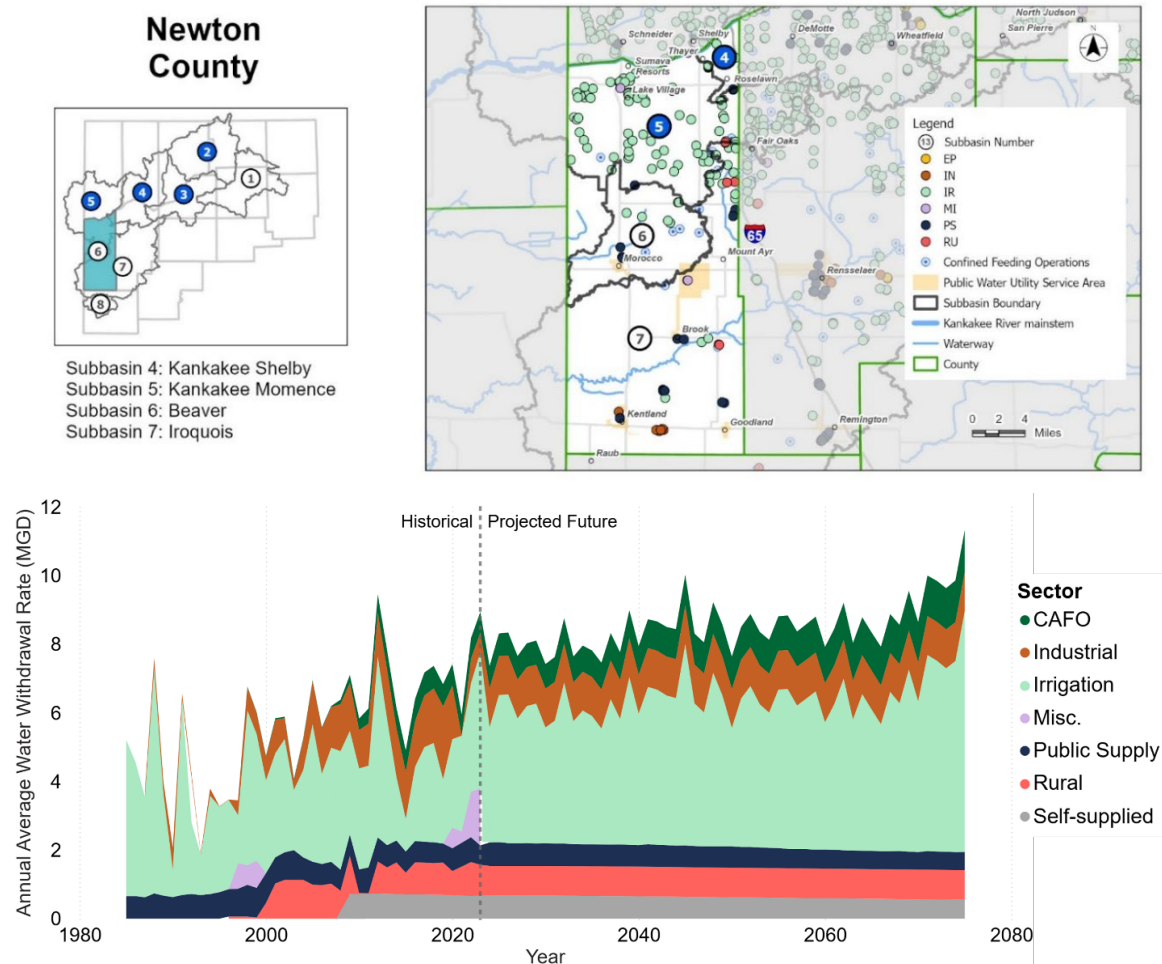


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I.6 Newton County



Key:

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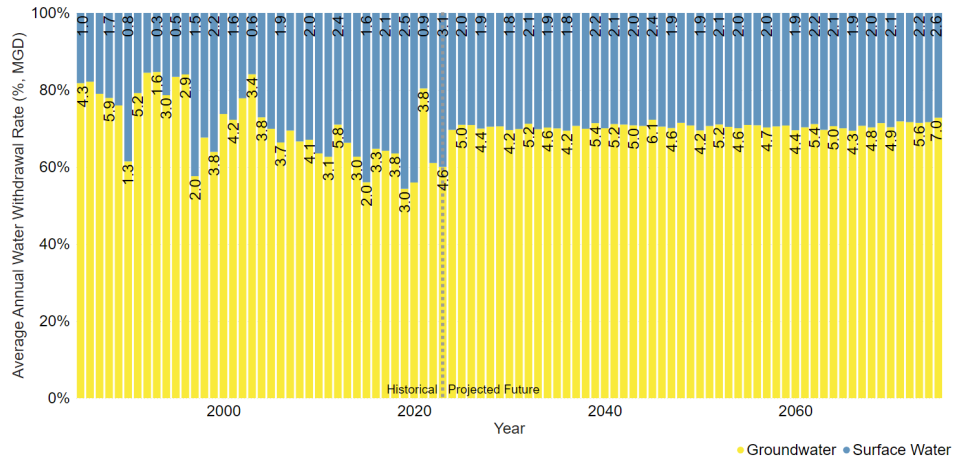
Historical and Projected Future Water Demand by Water Use Sector (MGD)



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Historical and Projected Future Water Demand by Source Type (MGD)

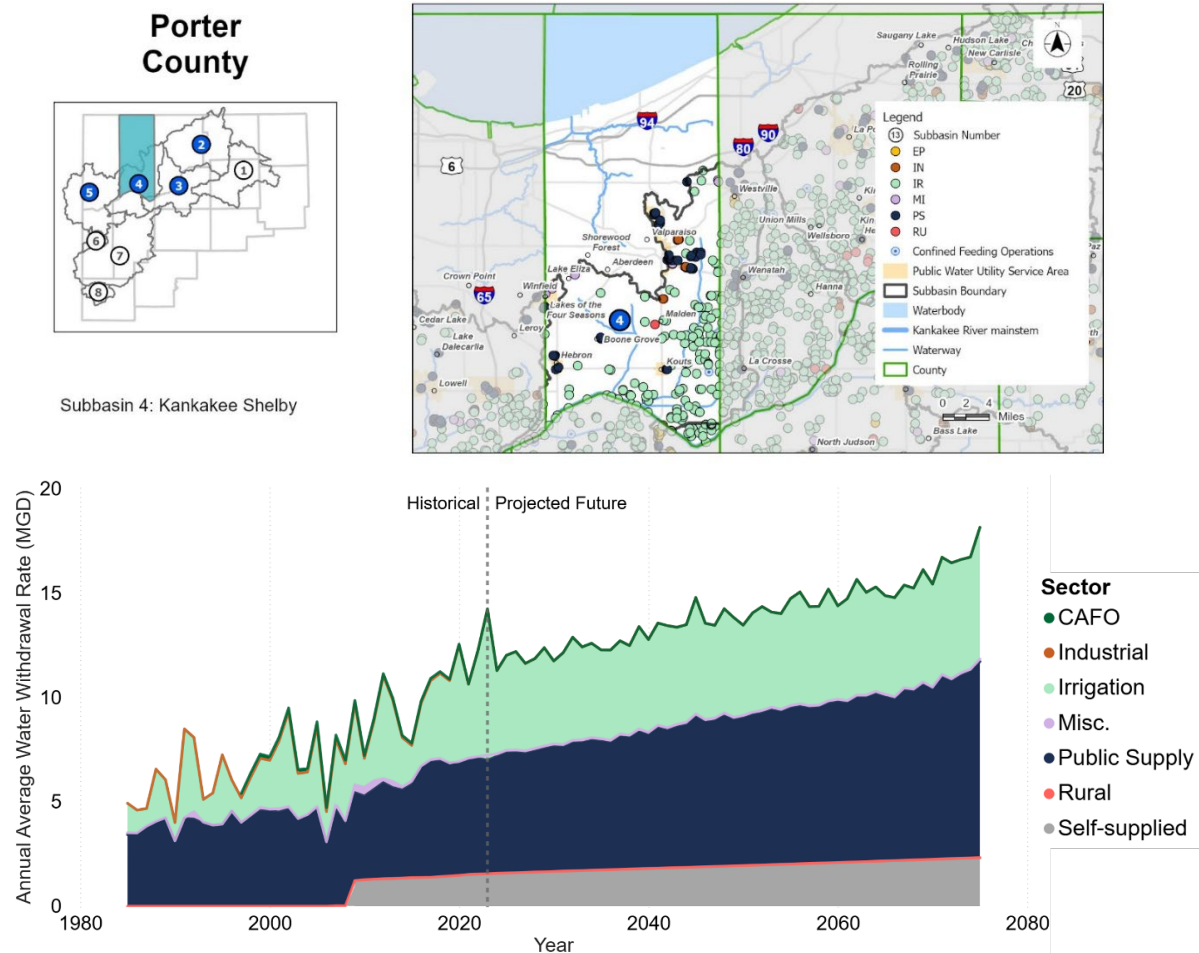


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I.7 Porter County



Key:

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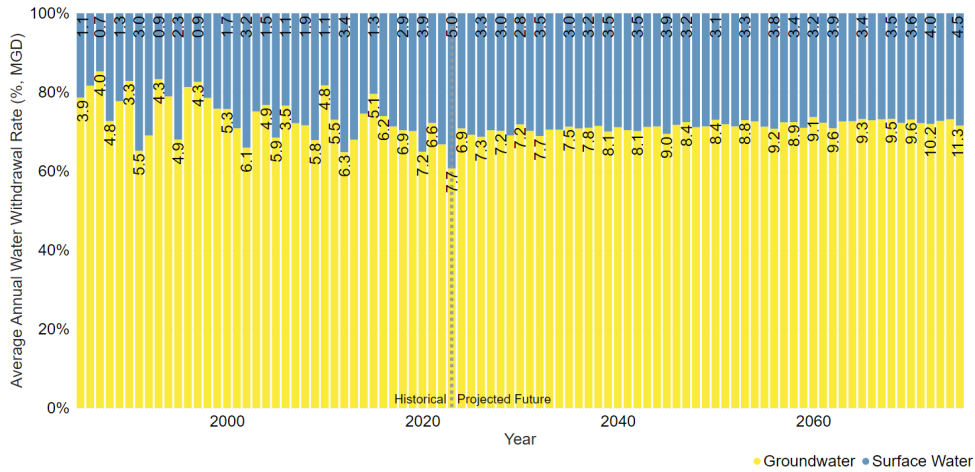
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Historical and Projected Future Water Demand by Source Type (MGD)

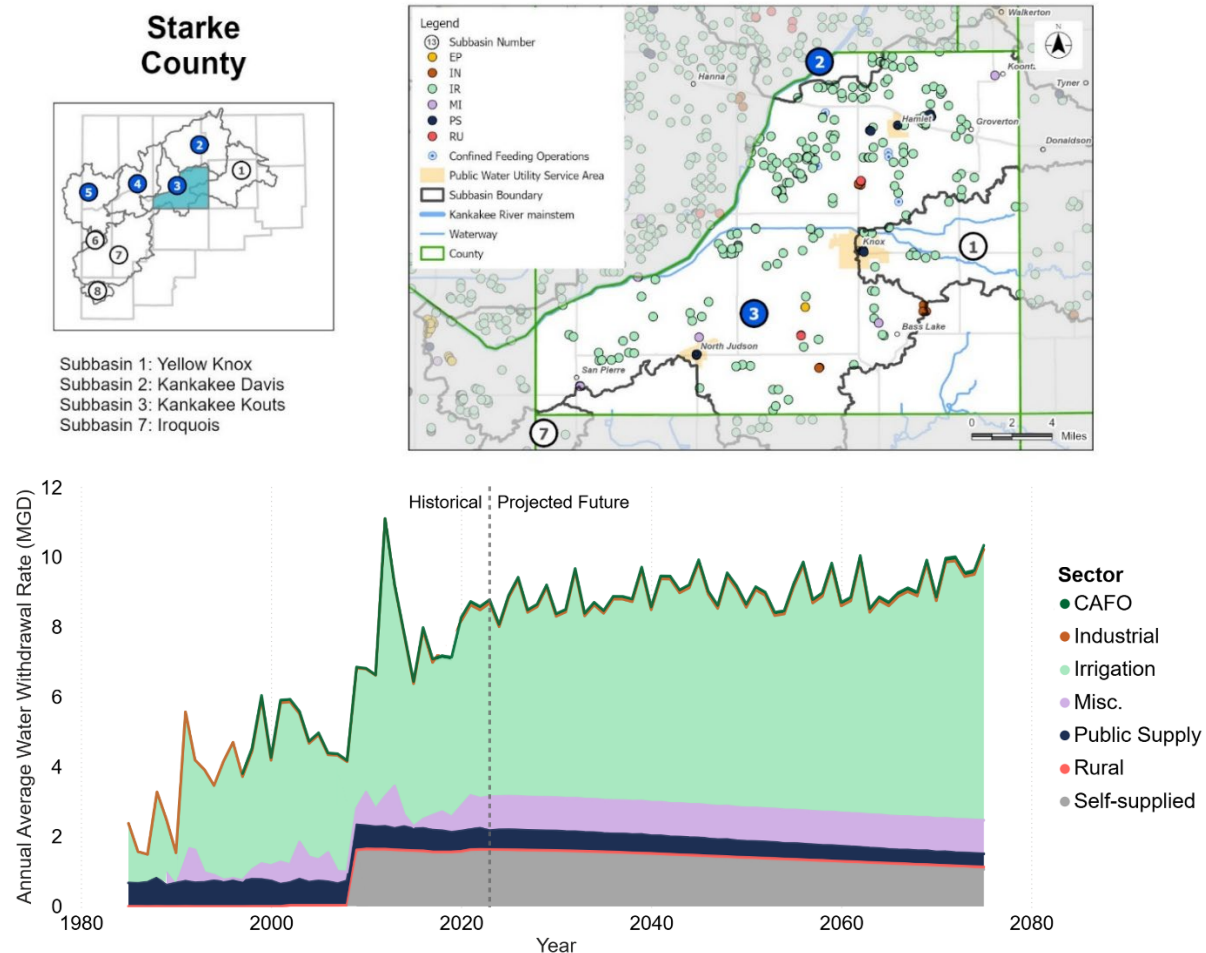


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I.8 Starke County



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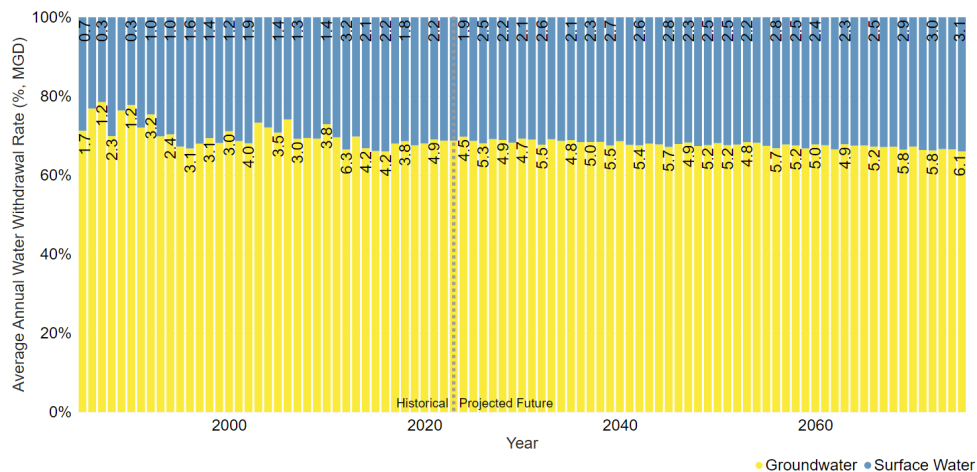
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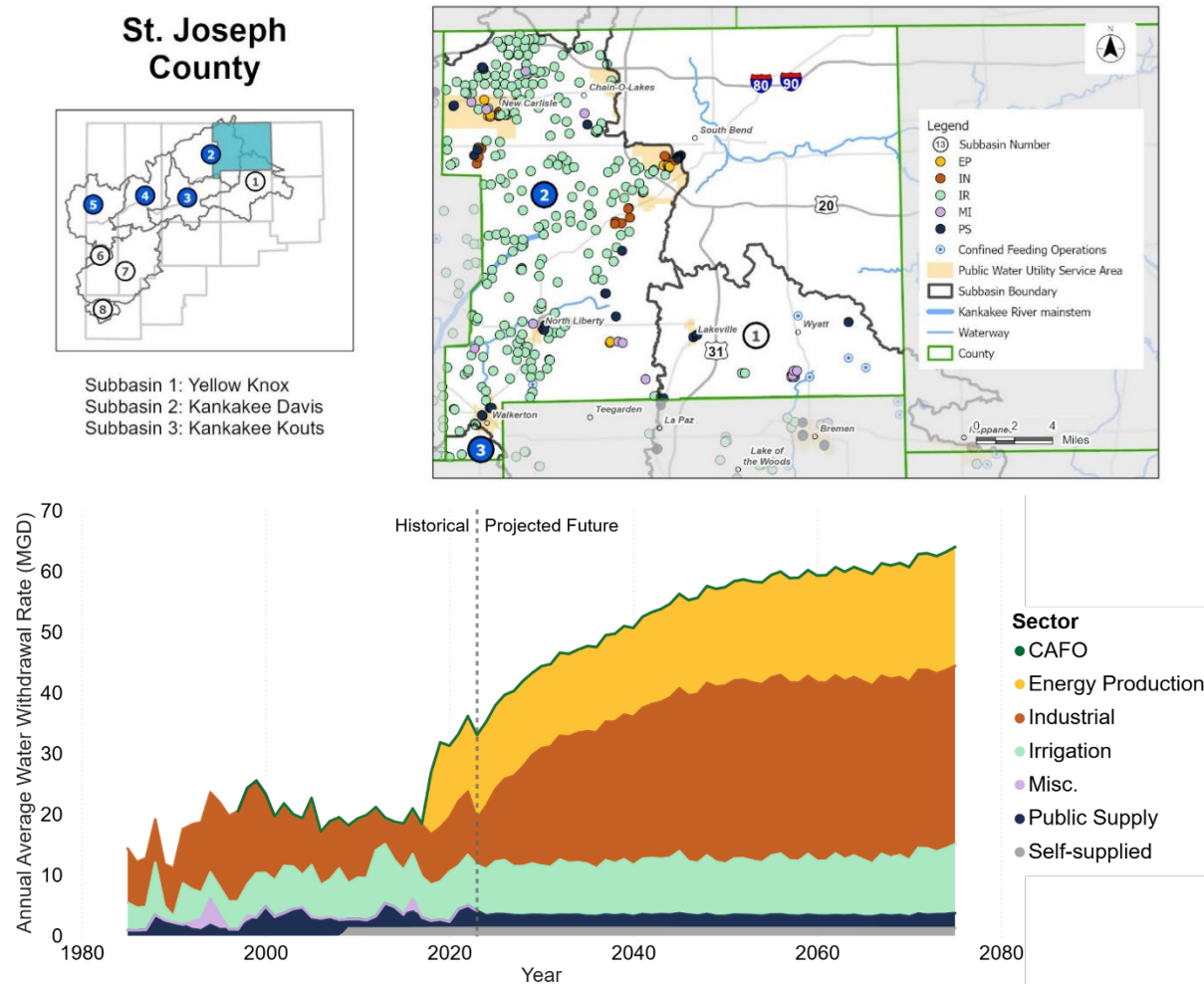


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I.9 St. Joseph County



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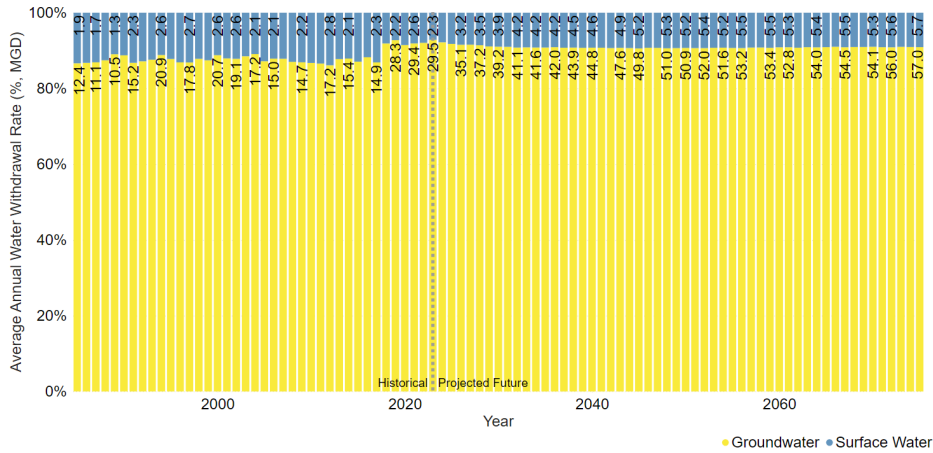
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Historical and Projected Future Water Demand by Source Type (MGD)

