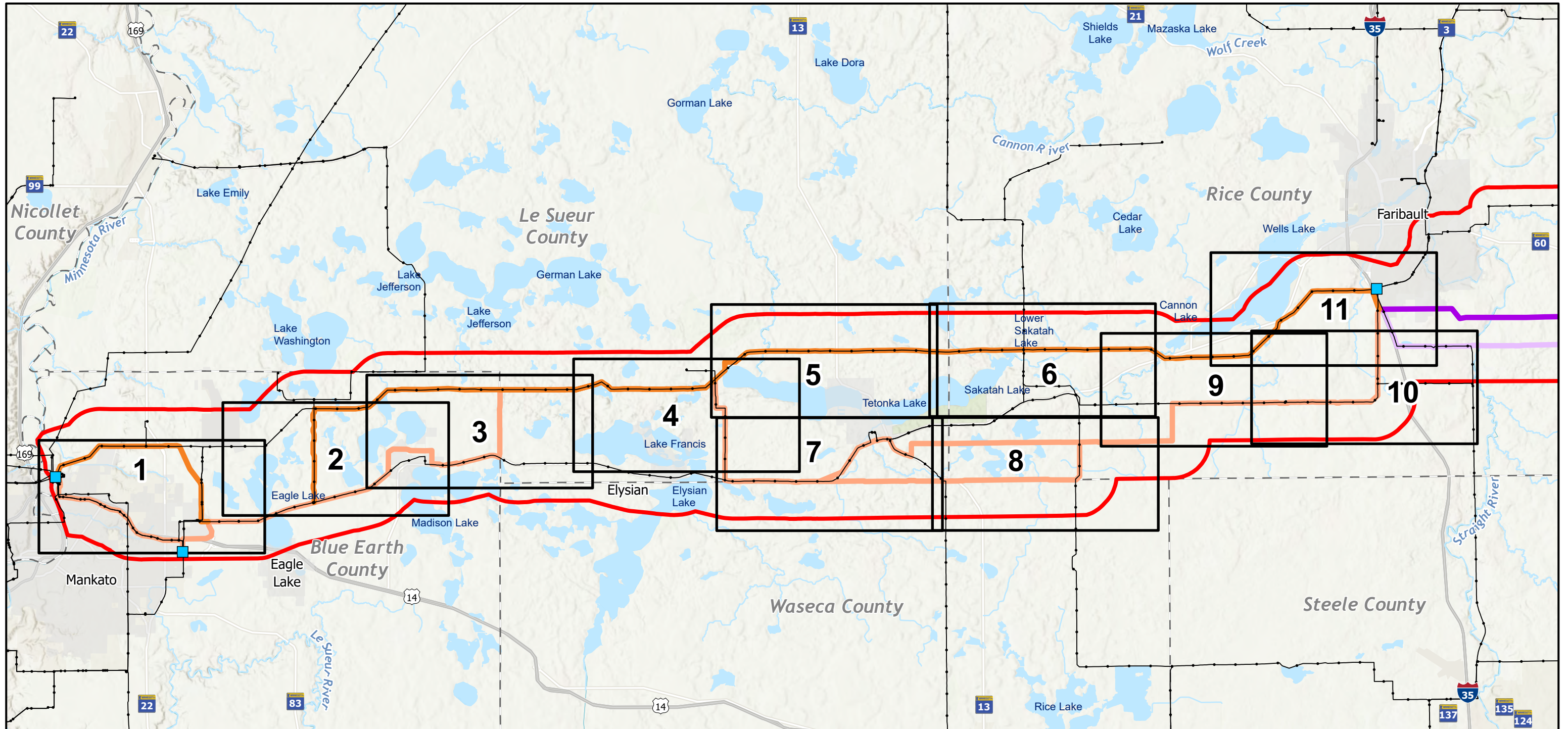


Appendix K

Detailed Route Maps

Appendix K
Mankato – Mississippi River Transmission Project
Certificate of Need and Route Permit Application
E002/CN-22-532 and E002/TL-23-157

DETAILED MAPBOOK OVERVIEW: SEGMENT 1

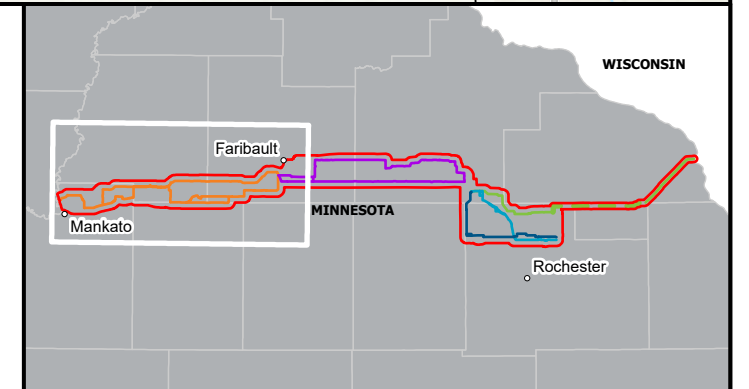
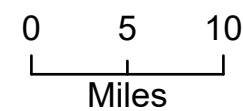


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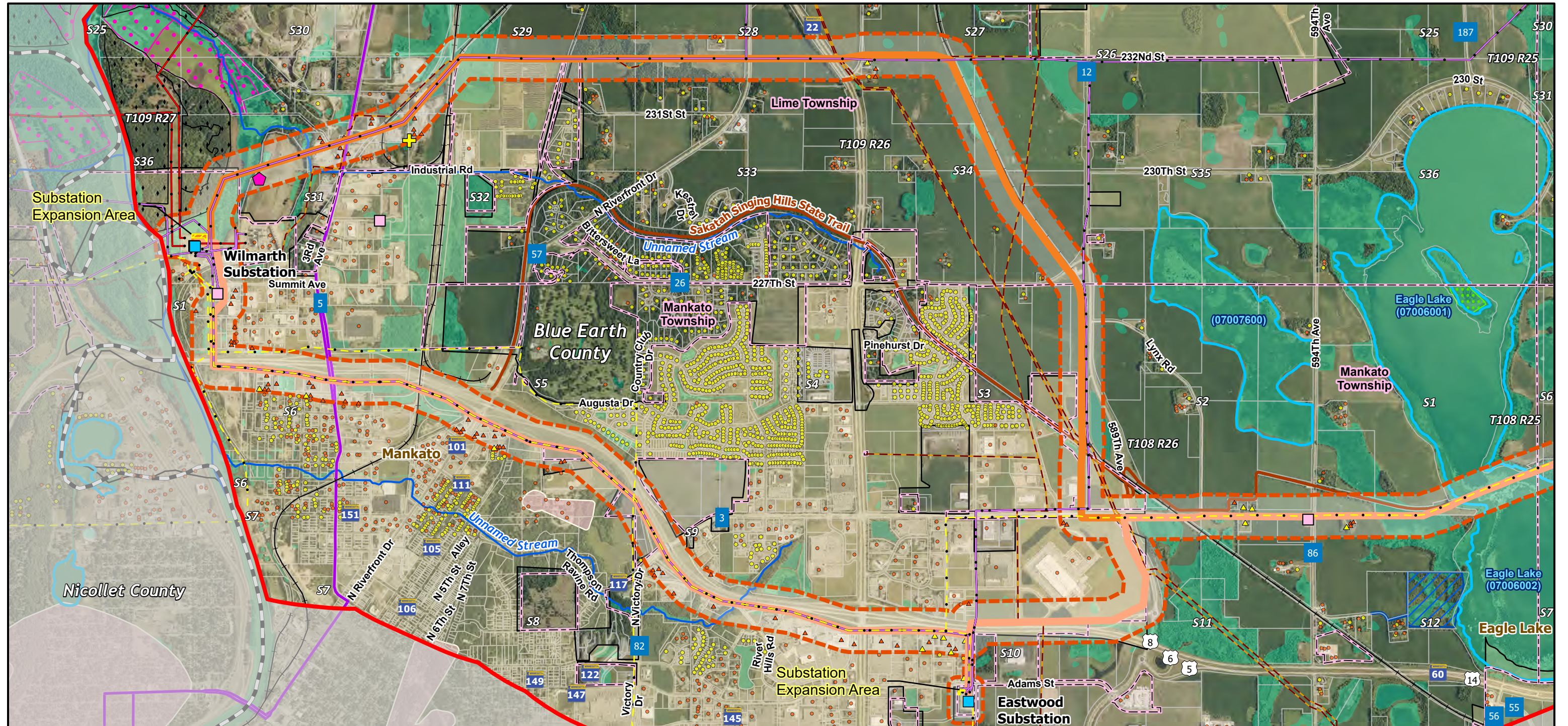
- | | | | |
|-----------------------------|-----------------------|-----------------|--------------------------|
| Project Study Area Boundary | Proposed Route Option | County Boundary | Public Water Watercourse |
| Project Substation | 1 North | City Boundary | Public Water Basin |
| Existing Transmission Line | 1 South | | |
| | 2 North | | |
| | 2 South | | |



MANKATO-MISSISSIPPI RIVER TRANSMISSION PROJECT



DETAILED MAPBOOK: SEGMENT 1



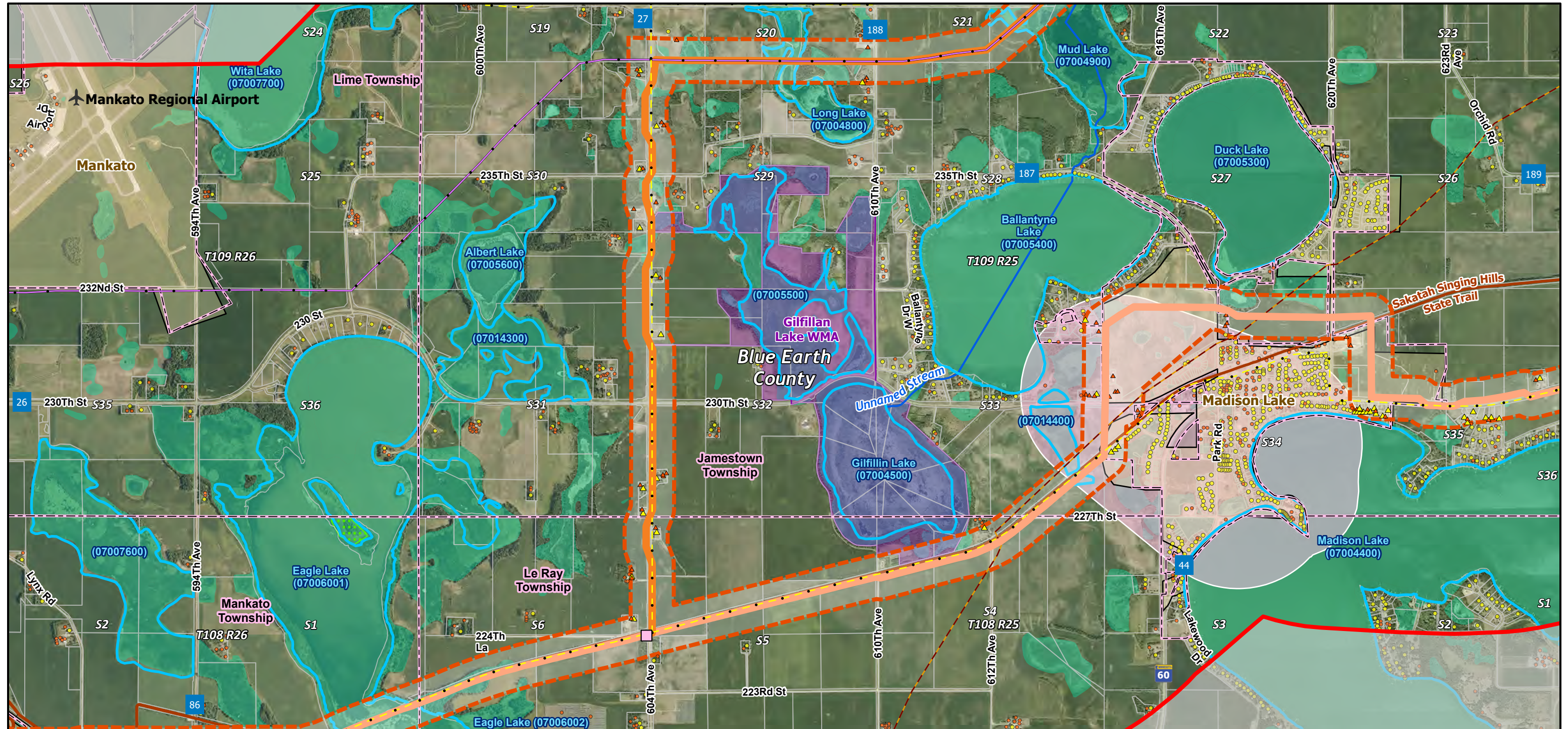
LEGEND					
Project Study Area Boundary	1 South	Existing Transmission Line	Parcel	BWSR RIM Conservation Easement	Structure in Proposed Route
Proposed Route	Existing Substation	69 kV	Wellhead Protection Area	DNR Native Plant Community	Residence
Substation Expansion Area	Railroad	115 kV	Public Water Watercourse	State Forest	Not a residence
Project Substation	State Trail	345 kV	Public Water Basin	Commercial Aggregate	Structure Outside Proposed Route
Proposed Route Option	Scenic Byway	County Boundary	Undelineated National Wetland Inventory	Rock Quarry	Residence
1 North	Pipeline in Study Area (NPMS)	Township Boundary	Waterfowl Production Area		Not a residence

Scale: 1 inch equals 2,250 feet (1:27,000)

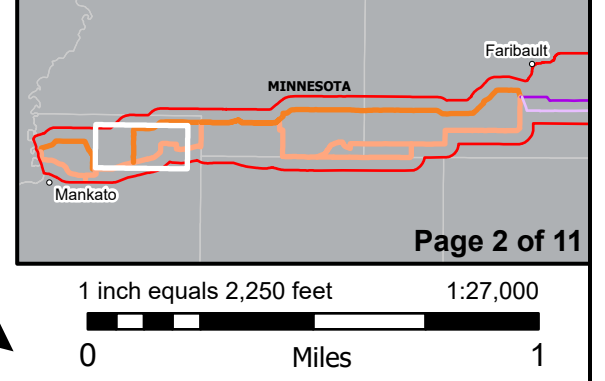
Scale: 0 to 1 Miles

Page 1 of 11

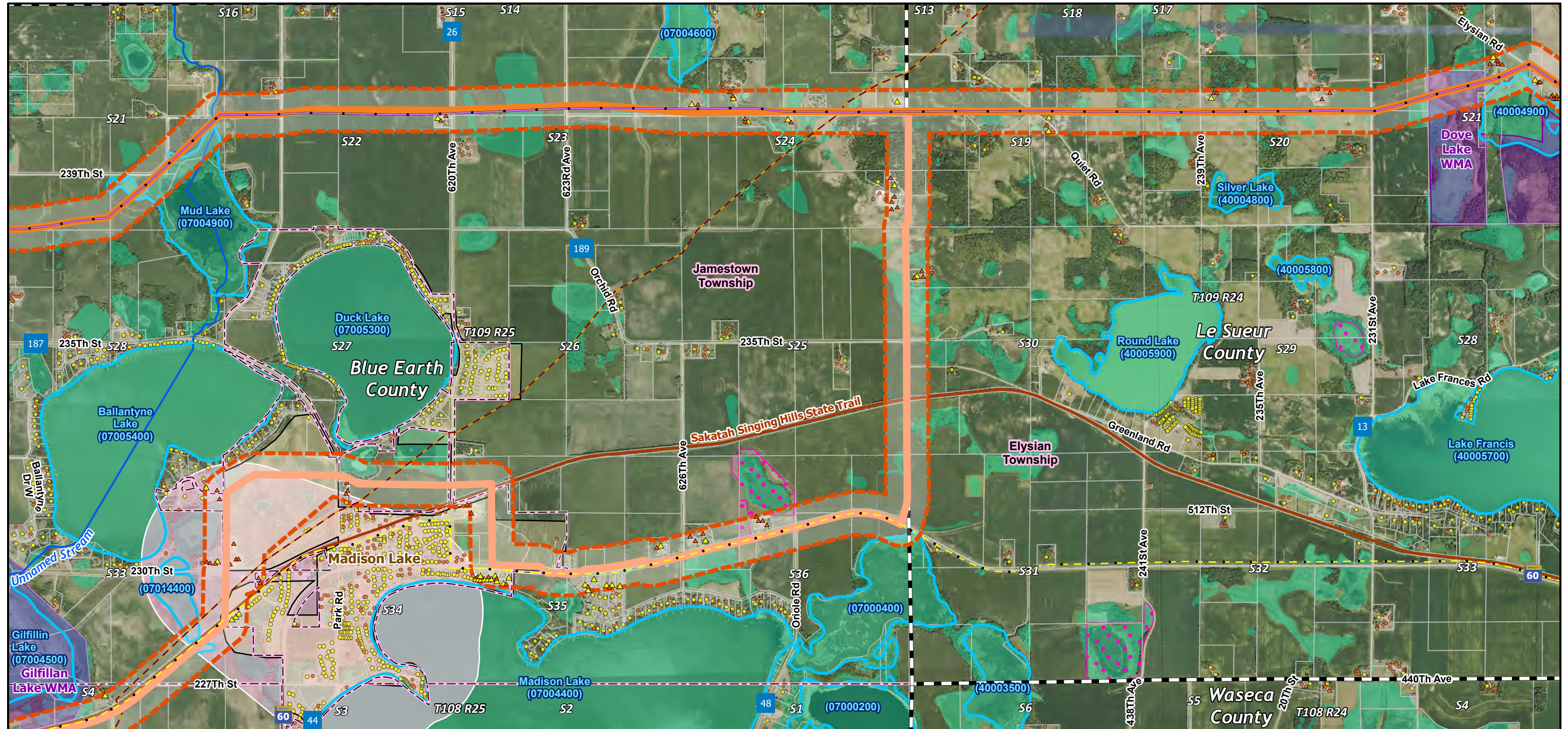
DETAILED MAPBOOK: SEGMENT 1



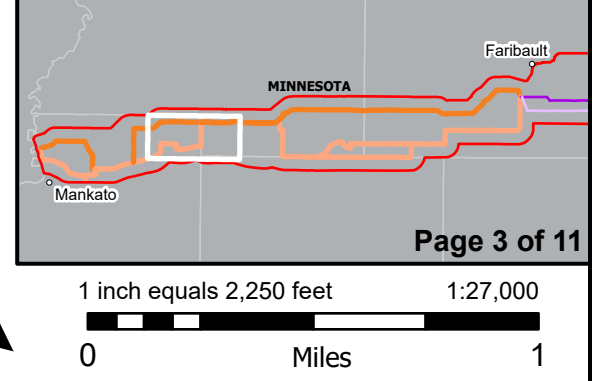
LEGEND					
Project Study Area Boundary	Existing Substation	115 kV	Public Water Basin	Structure in Proposed Route	
Proposed Route	Railroad	Township Boundary	Undelineated National Wetland Inventory	Residence	Not a residence
Proposed Route Option	State Trail	City Boundary	State Forest	Structure Outside Proposed Route	
1 North	Pipeline in Study Area (NPMS)	Parcel	Wildlife Management Area	Residence	Not a residence
1 South	Existing Transmission Line	Wellhead Protection Area	Public Water Watercourse		
Public Airport	69 kV				



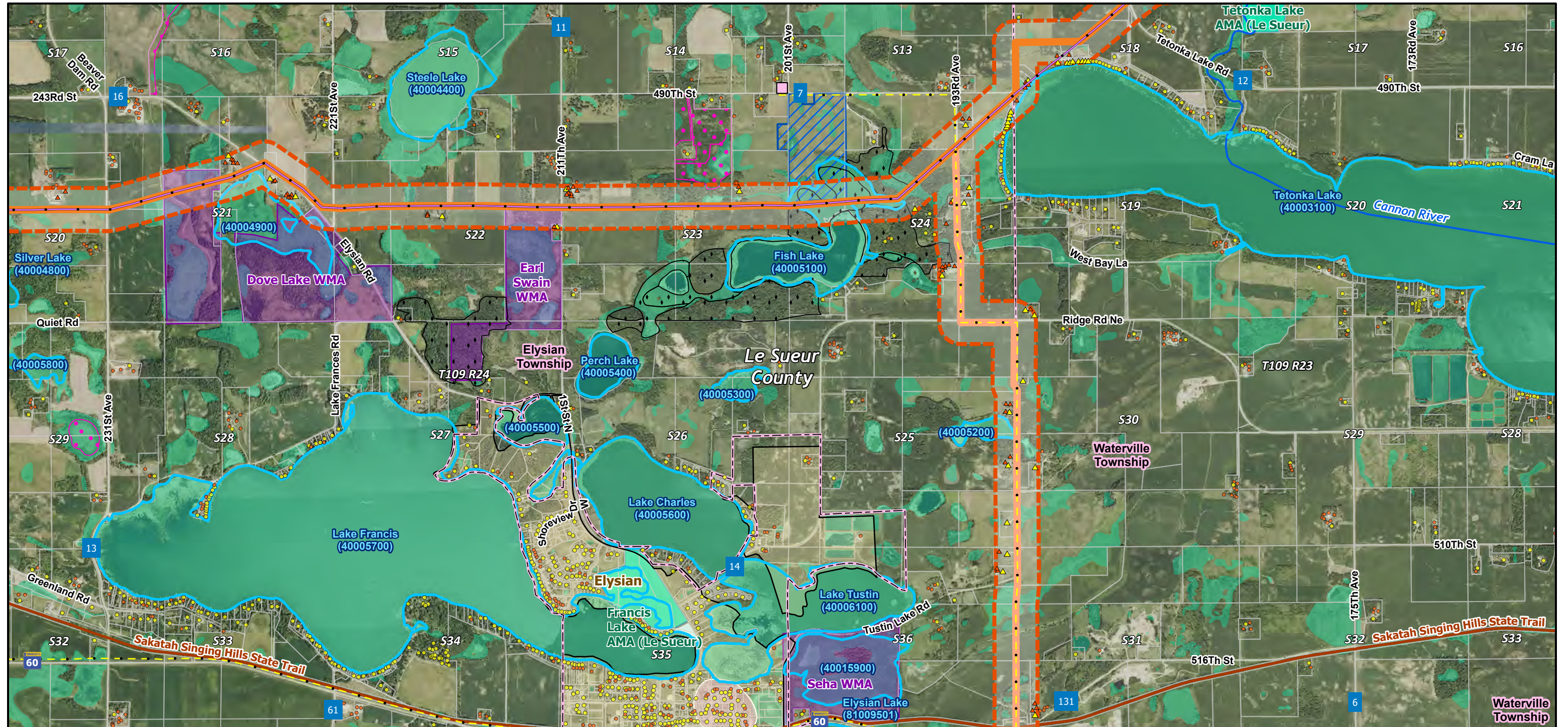
DETAILED MAPBOOK: SEGMENT 1



LEGEND				
Project Study Area Boundary	Pipeline in Study Area (NPMS)	City Boundary	Undelineated National Wetland Inventory	Structure in Proposed Route
Proposed Route	Existing Transmission Line	Parcel	BWSR RIM Conservation Easement	Residence
Proposed Route Option	69 kV	Wellhead Protection Area	Wildlife Management Area	Not a residence
1 North	115 kV	Public Water Watercourse		Structure Outside Proposed Route
1 South	County Boundary	Public Water Basin		Residence
State Trail	Township Boundary			Not a residence



DETAILED MAPBOOK: SEGMENT 1



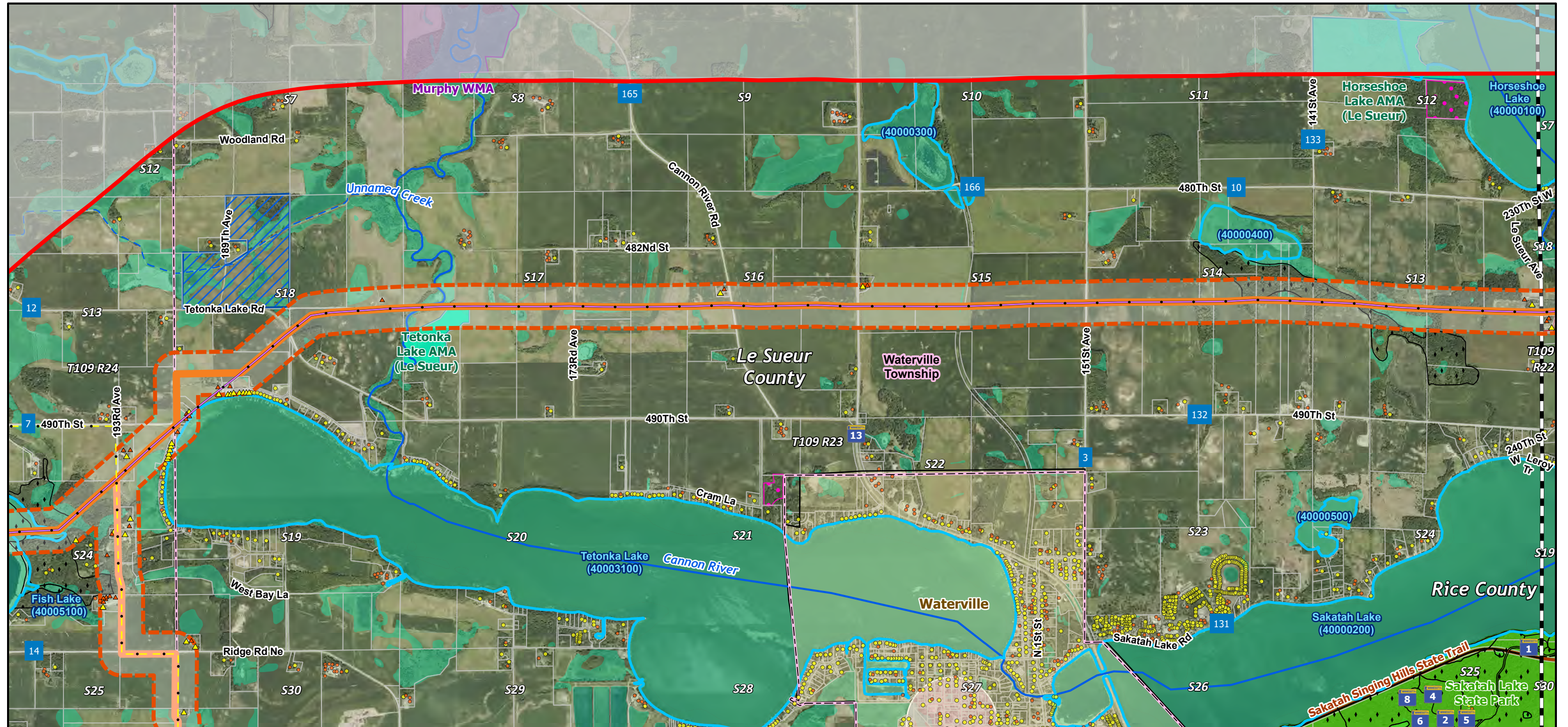
LEGEND					
Project Study Area Boundary	Proposed Route	Wellhead Protection Area	BWSR RIM Conservation Easement	Structure in Proposed Route	
Proposed Route Option	Existing Transmission Line	Public Water Watercourse	DNR Native Plant Community	Residence	Not a residence
1 North	115 kV	Public Water Basin	Aquatic Management Area	Structure Outside Proposed Route	
1 South	Township Boundary	Undelineated National Wetland Inventory	Public Water Access	Residence	Not a residence
Existing Substation	City Boundary	Waterfowl Production Area	Wildlife Management Area		
	Parcel				

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1 inch equals 2,250 feet 1:27,000

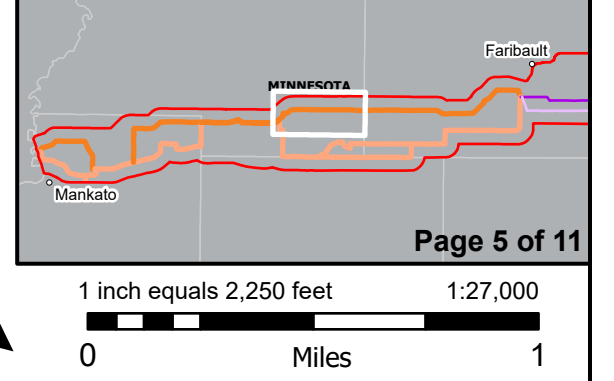
0 Miles 1

DETAILED MAPBOOK: SEGMENT 1

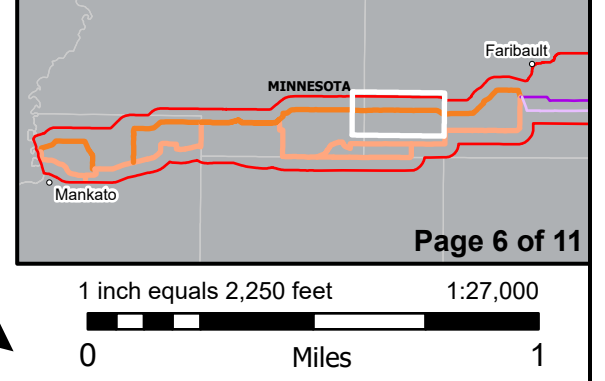
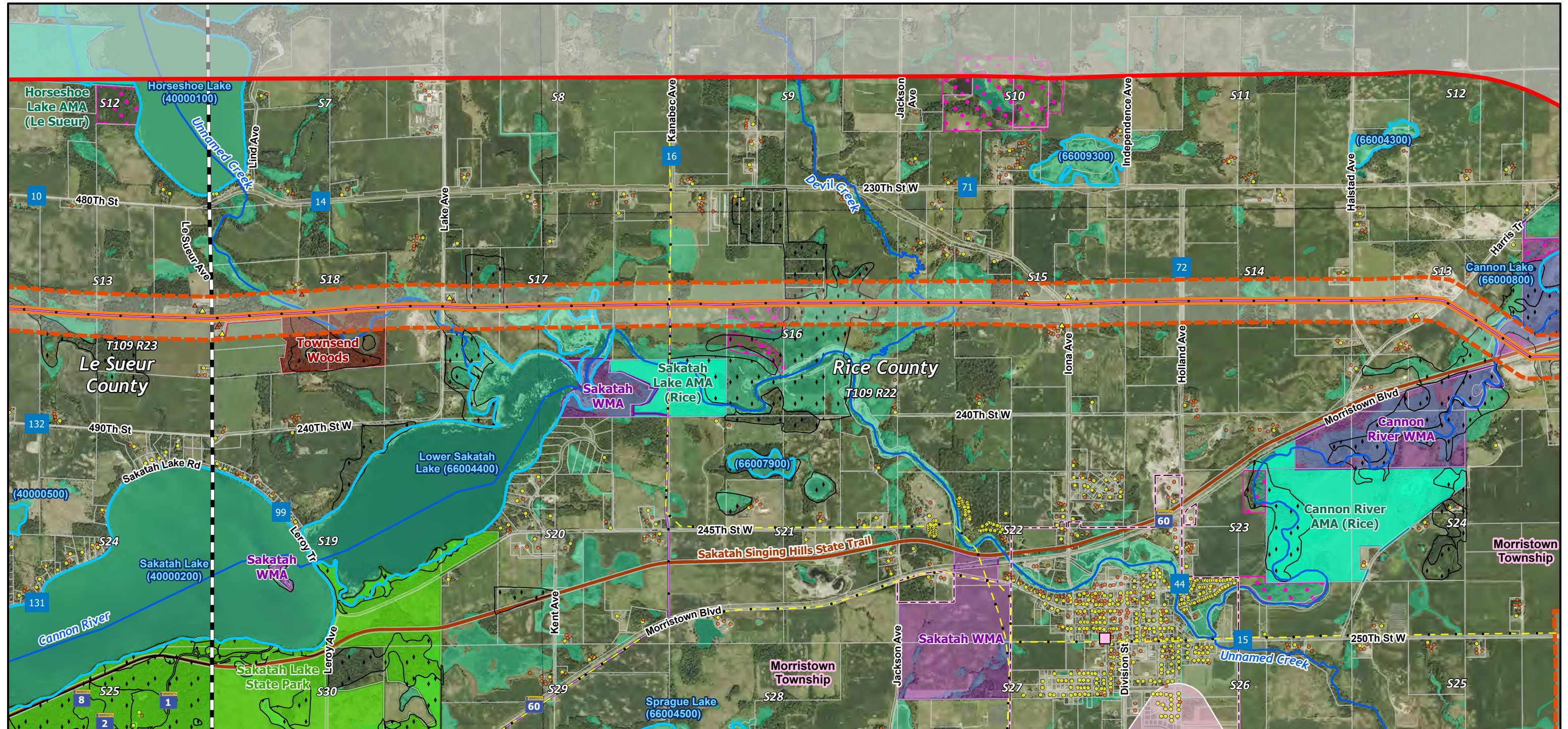


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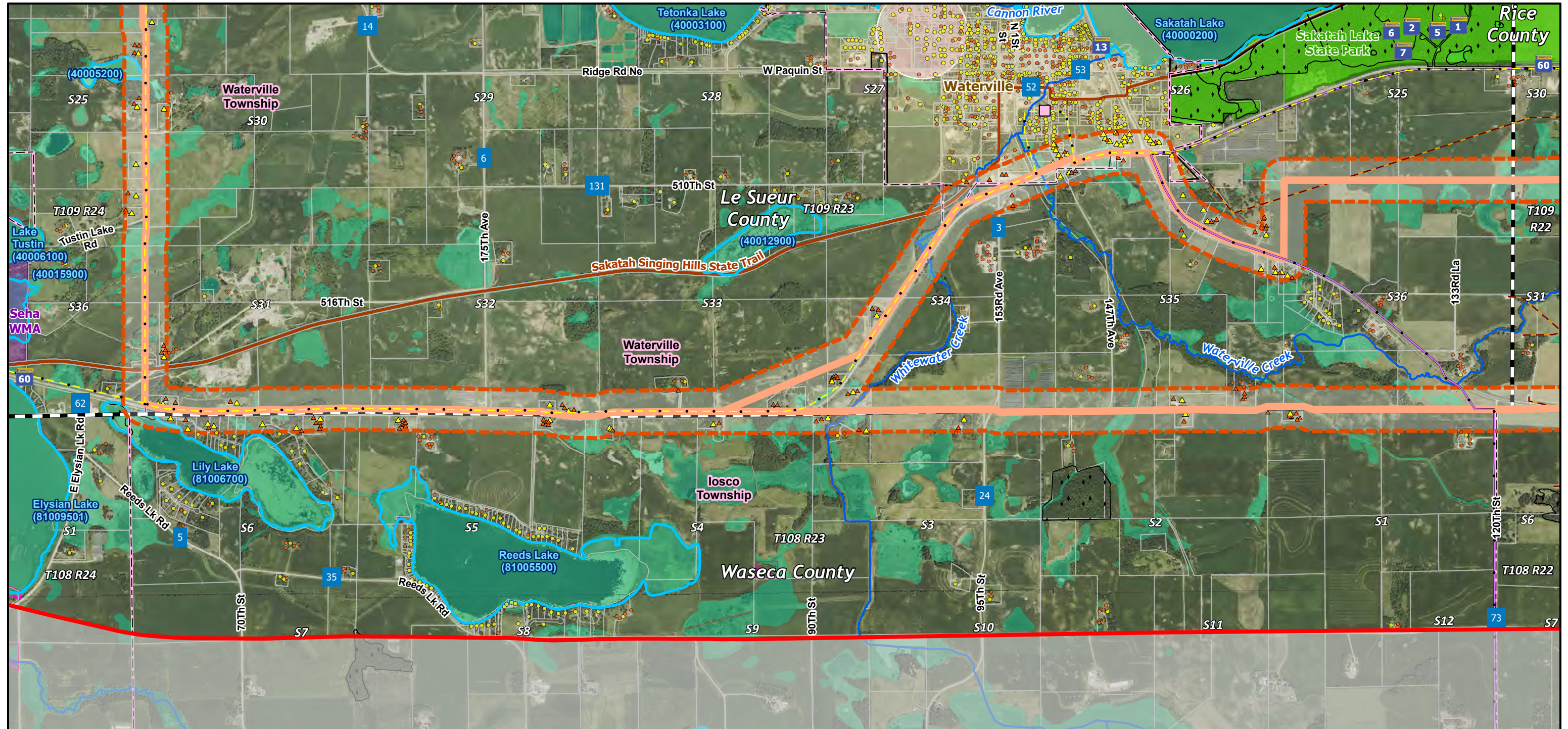
Project Study Area Boundary	Existing Transmission Line	Wellhead Protection Area	BWSR RIM Conservation Easement	Structure in Proposed Route
Proposed Route	69 kV	Public Ditch/Altered Natural Watercourse	DNR Native Plant Community	Not a residence
Proposed Route Option	115 kV	Public Water Watercourse	Aquatic Management Area	Structure Outside Proposed Route
1 North	County Boundary	Public Water Basin	Scientific and Natural Area	Residence
1 South	Township Boundary	Undelineated National Wetland Inventory	State Park	Not a residence
State Trail	City Boundary	Waterfowl Production Area	Wildlife Management Area	
	Parcel			



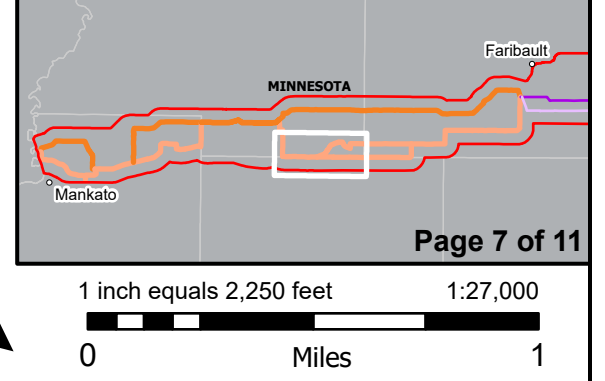
DETAILED MAPBOOK: SEGMENT 1



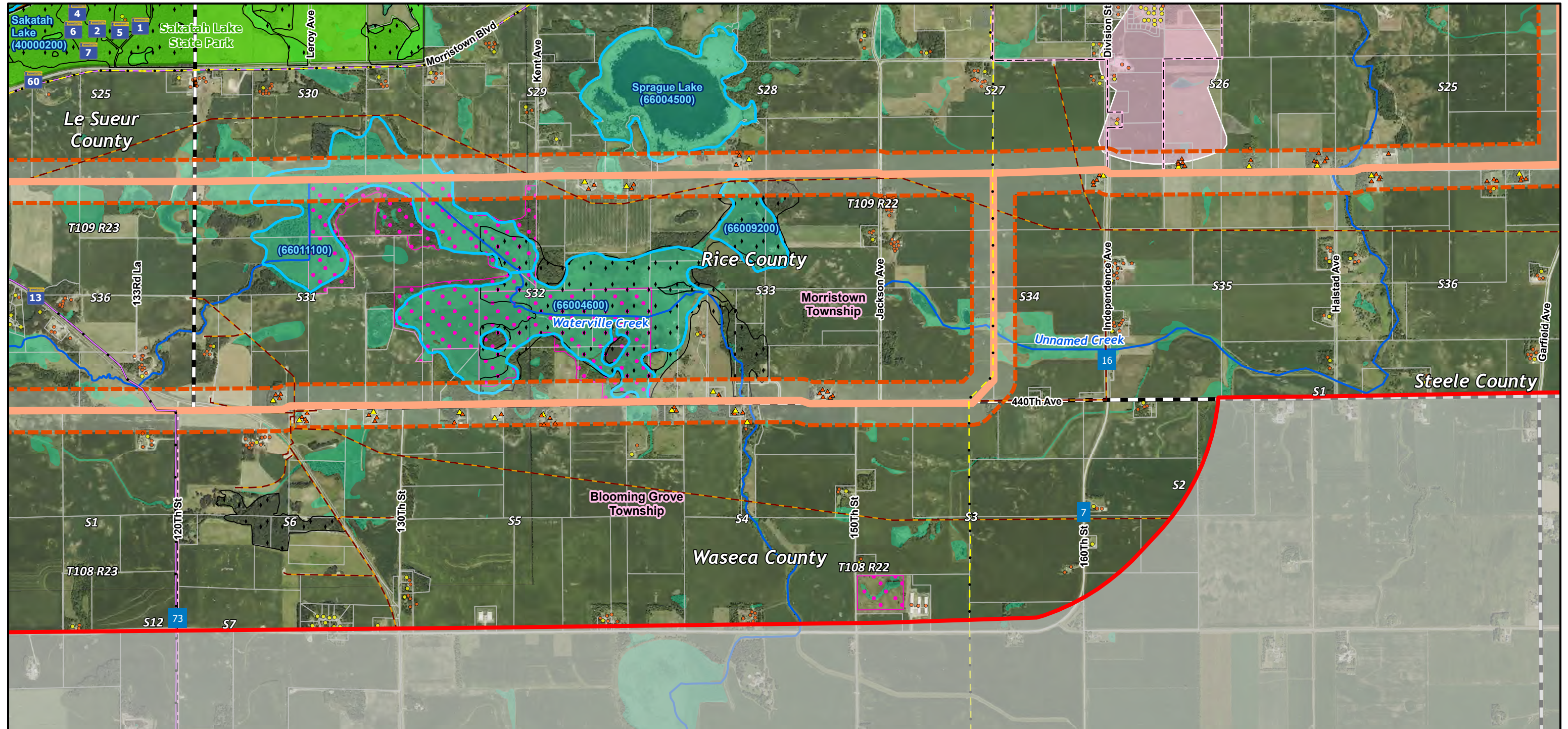
DETAILED MAPBOOK: SEGMENT 1



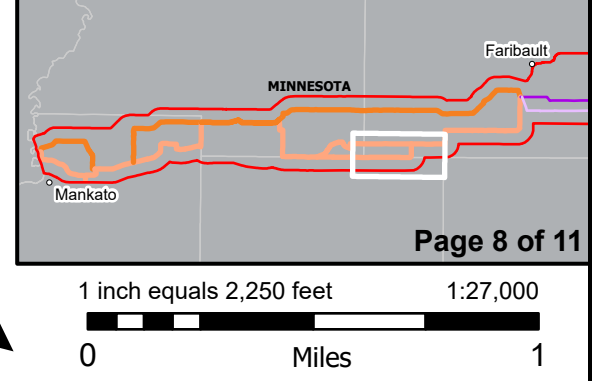
LEGEND Project Study Area Boundary Proposed Route Proposed Route Option Existing Substation State Trail		Pipeline in Study Area (NPMS) Existing Transmission Line 69 kV 115 kV County Boundary Township Boundary		City Boundary Parcel Wellhead Protection Area Public Water Watercourse Public Water Basin Undelineated National Wetland Inventory		BWSR RIM Conservation Easement DNR Native Plant Community State Park Wildlife Management Area		Structure in Proposed Route Residence Not a residence Structure Outside Proposed Route Residence Not a residence	
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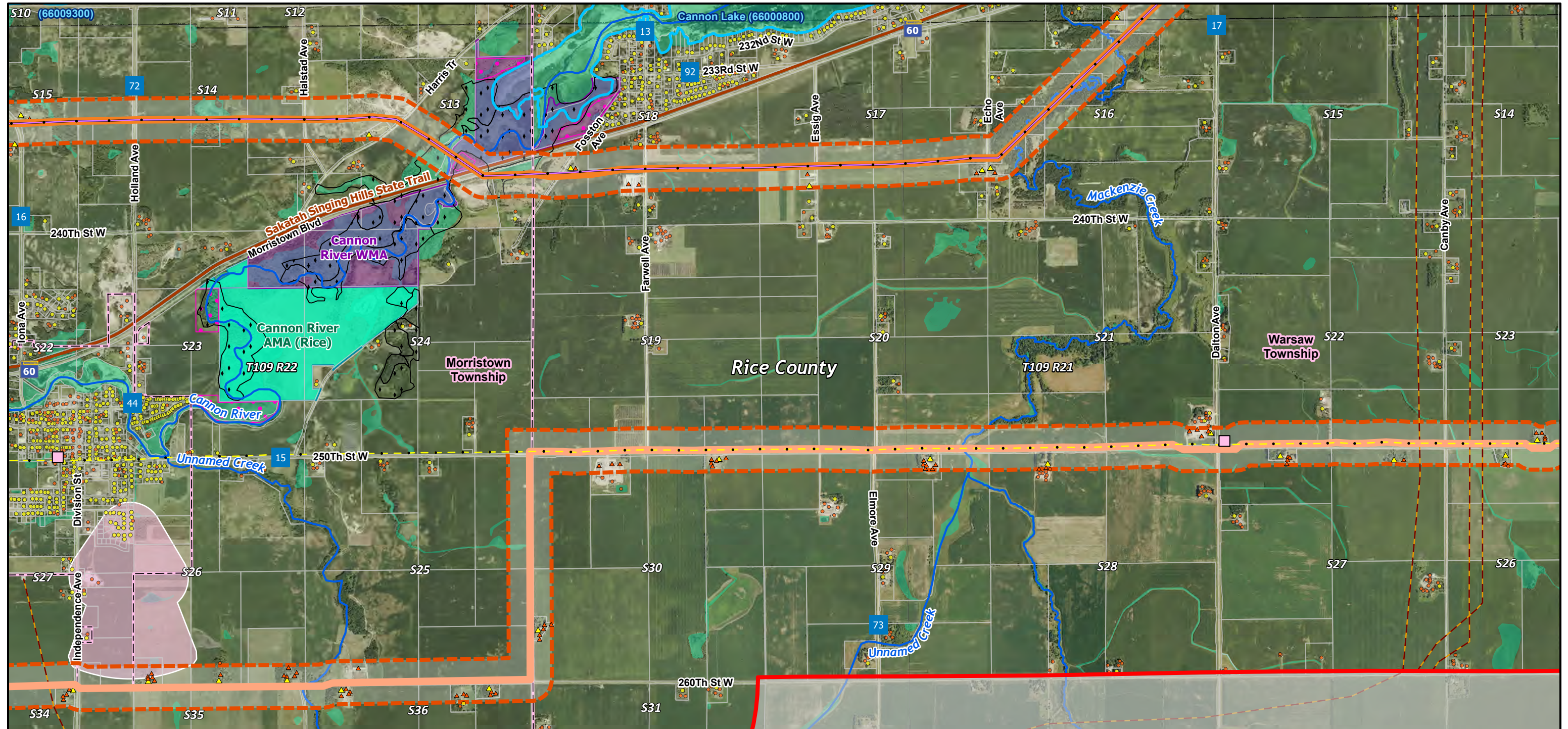
DETAILED MAPBOOK: SEGMENT 1



LEGEND					
Project Study Area Boundary	Proposed Route	Parcel	BWSR RIM Conservation Easement	Structure in Proposed Route	
Proposed Route Option	Existing Transmission Line	Wellhead Protection Area	DNR Native Plant Community	Residence	Not a residence
1 South	115 kV	Public Water Watercourse	State Park	Structure Outside Proposed Route	
State Trail	County Boundary	Public Water Basin	Wildlife Management Area	Residence	Not a residence
	Township Boundary	Undelineated National Wetland Inventory			



DETAILED MAPBOOK: SEGMENT 1



LEGEND					
Project Study Area Boundary	Proposed Route	Parcel	BWSR RIM Conservation Easement	Structure in Proposed Route	
Proposed Route Option	Existing Transmission Line	Wellhead Protection Area	DNR Native Plant Community	Residence	Not a residence
1 North	69 kV	Public Water Watercourse	Aquatic Management Area	Structure Outside Proposed Route	
1 South	115 kV	Public Water Basin	Wildlife Management Area	Residence	Not a residence
Existing Substation	Township Boundary	Undelineated National Wetland Inventory			

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1 inch equals 2,250 feet 1:27,000

0 Miles 1