

Appendix D-1

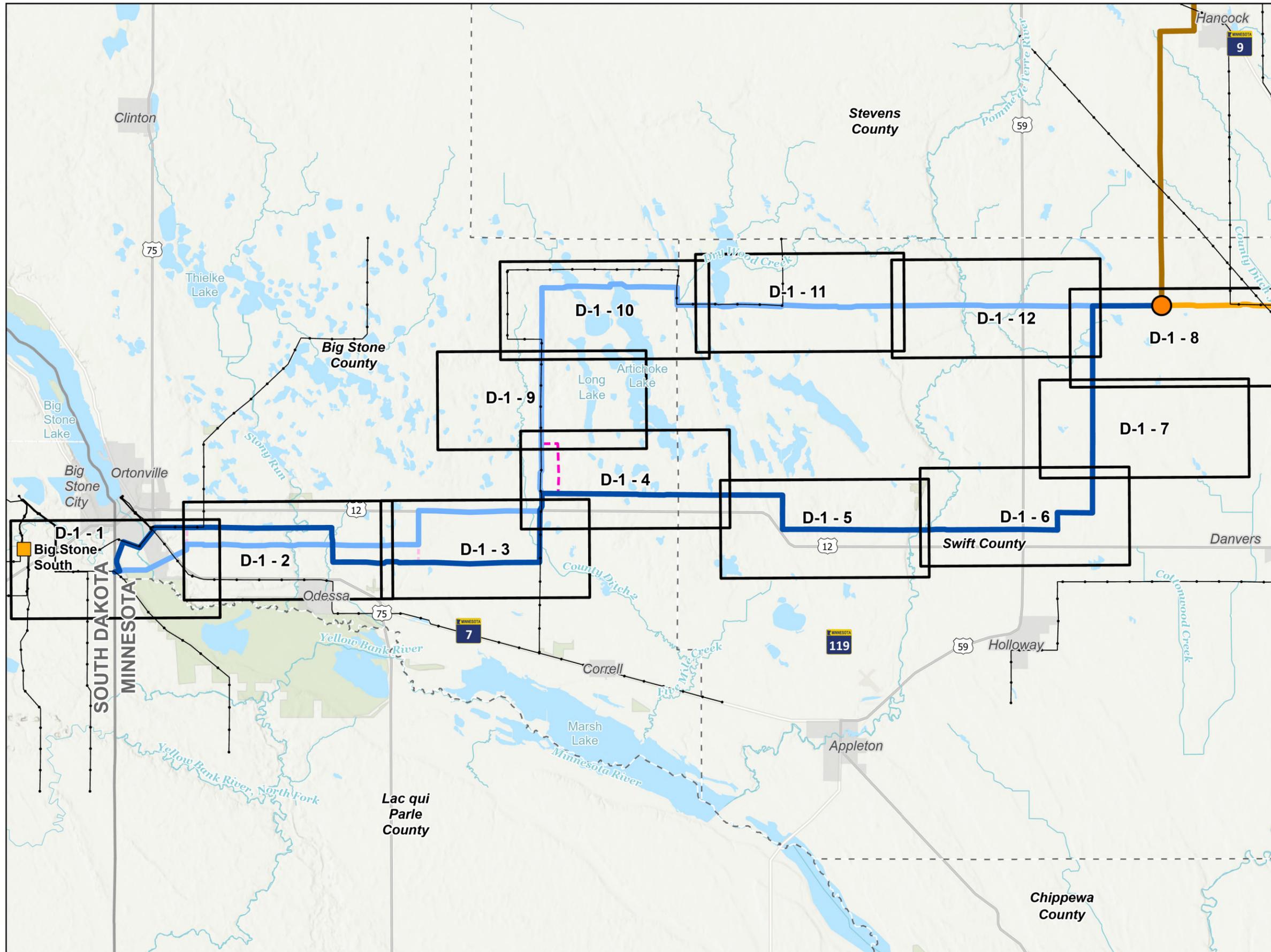
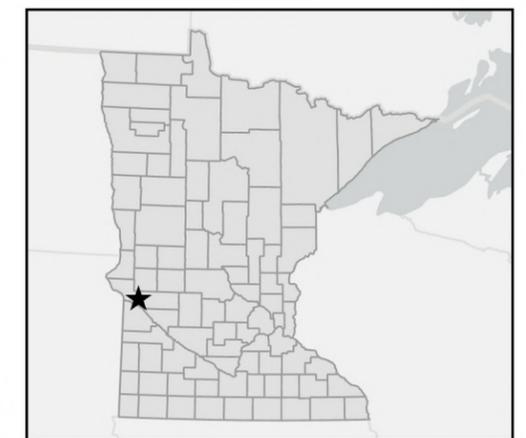
Detailed Route Maps of South Segment

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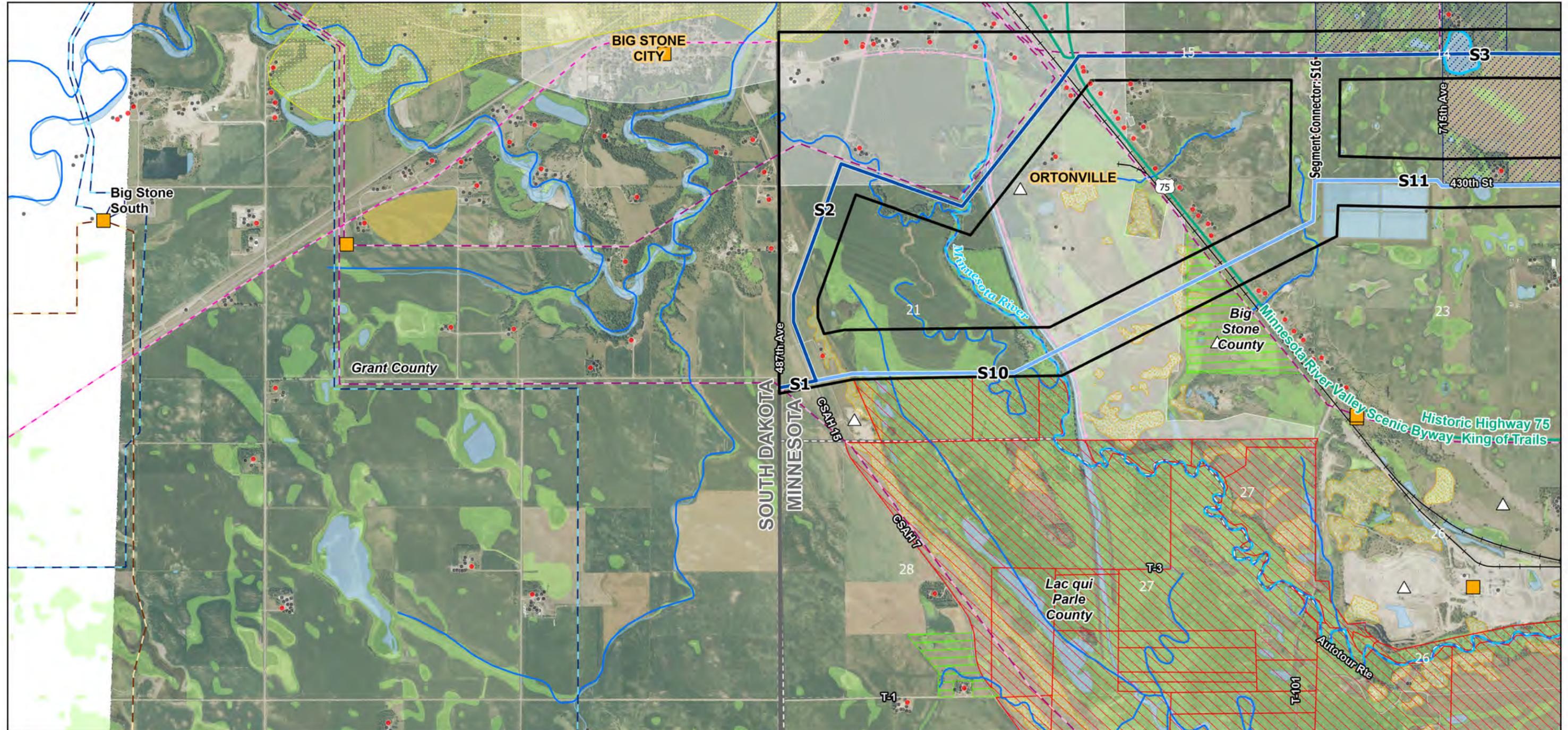
SOUTH SEGMENT

Legend

- Existing Substation
- Proposed Route Options**
- Central 1
- Central 2
- South 1
- South 2
- Segment Alternate
- Segment Connector
- Route Segment End
- Existing Transmission Line
- Public Watercourse
- Public Water Basin
- State Boundary
- County Boundary
- Municipality
- Federal/State Land
- Detailed Maps Page Index

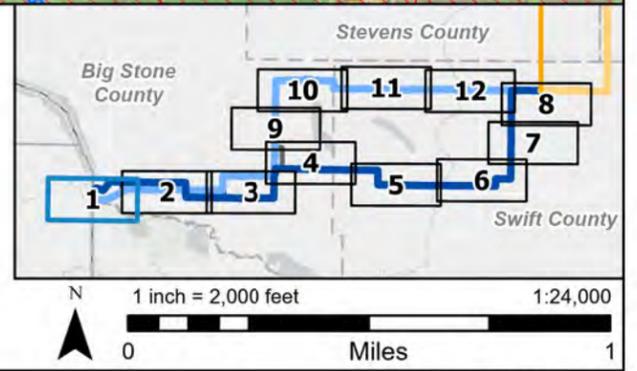


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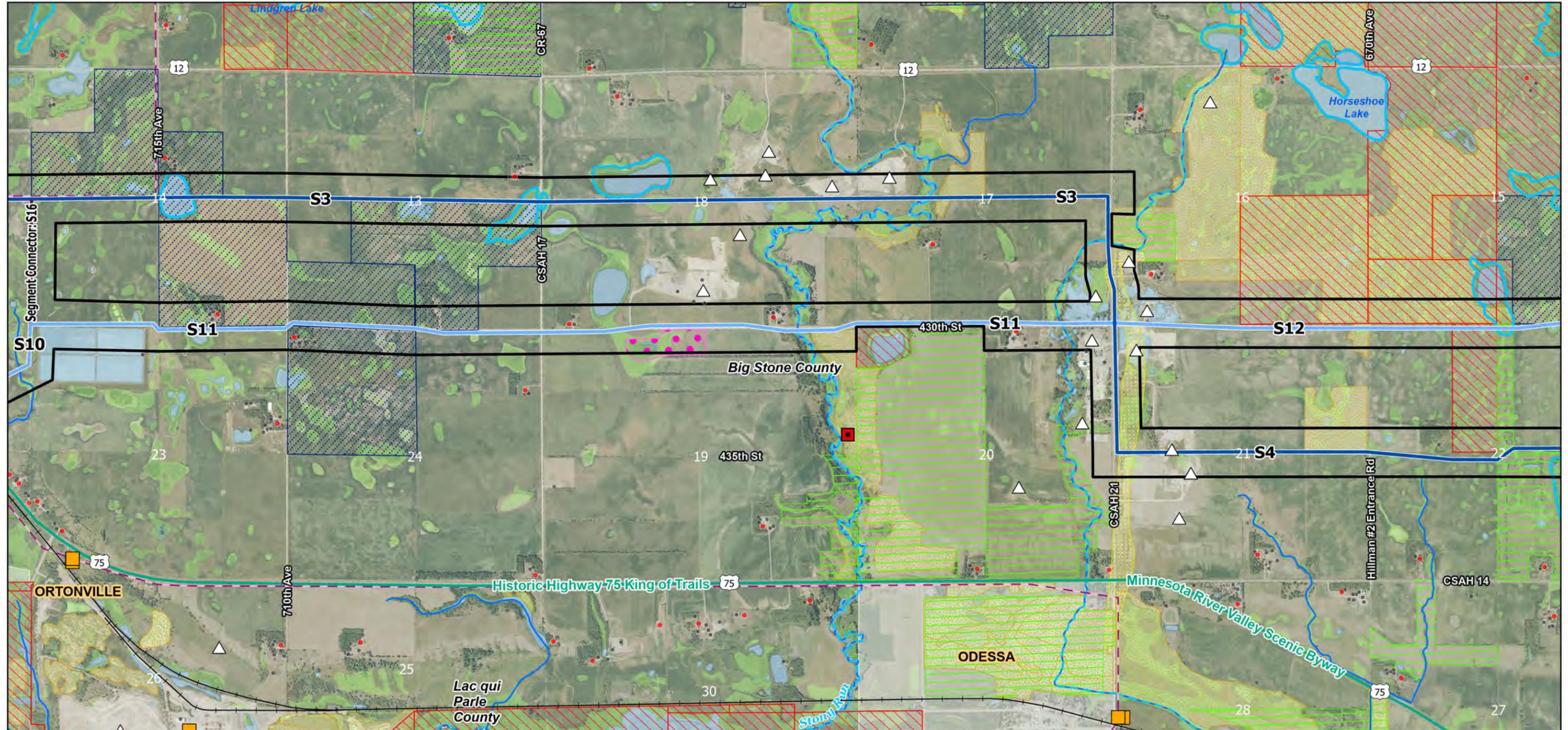


Legend

Route Width	Undelineated National Wetland Inventory Waterbody	DNR Rivers and Streams	Existing Transmission Line	MN Scenic Byway	Aggregate Resource
Proposed Route Option	Undelineated National Wetland Inventory Wetland	USFWS Interest	115 kV	Center-pivot Irrigation	Airport
South 1	DNR Public Water Basin	Grassland Easement	230 kV	Wellhead Protection Areas	Railroad
South 2	DNR Public Watercourse	Wetland Easement	345 kV	Residence	State Boundary
Connector Segment		Fee Title	Pipeline	Other Structure (Not a residence)	County Boundary
Existing Substation		DNR Native Plant Community	MN State Trail		Municipality

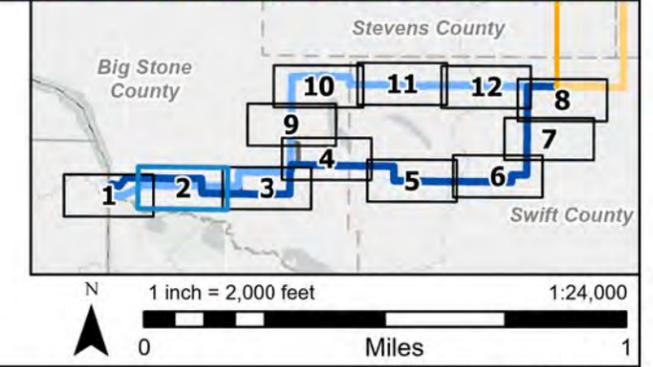


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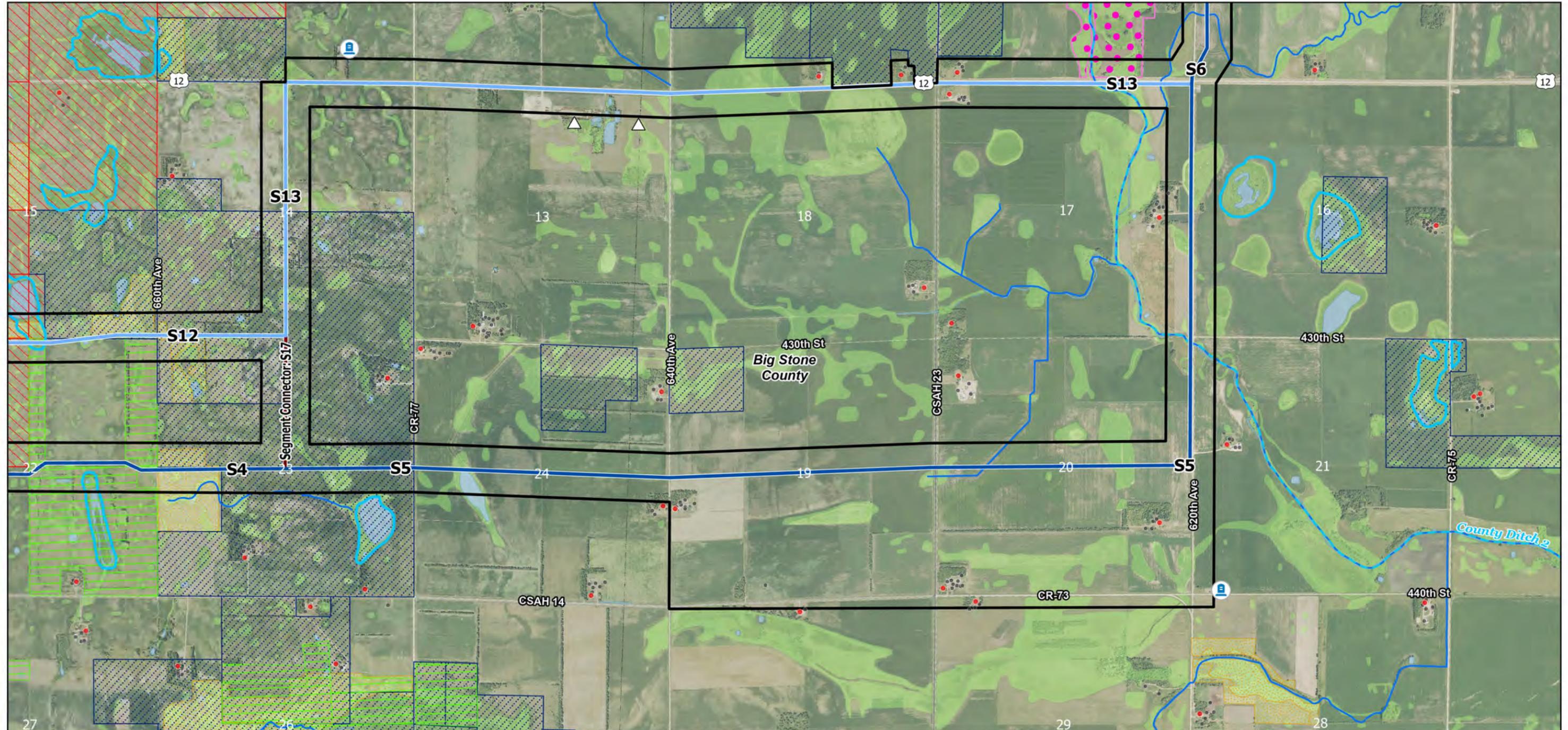


Legend

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|--|--|---|---|--|---|
| <ul style="list-style-type: none"> Route Width Proposed Route Option <ul style="list-style-type: none"> South 1 South 2 Connector Segment Existing Substation | <ul style="list-style-type: none"> Undelineated National Wetland Inventory Waterbody Undelineated National Wetland Inventory Wetland DNR Public Water Basin DNR Public Watercourse | <ul style="list-style-type: none"> DNR Rivers and Streams Calcareous Fen USFWS Interest <ul style="list-style-type: none"> Grassland Easement Wetland Easement Fee Title | <ul style="list-style-type: none"> BWSR RIM Conservation Easement DNR Native Plant Community Existing Transmission Line <ul style="list-style-type: none"> 115 kV MN Scenic Byway | <ul style="list-style-type: none"> Wellhead Protection Areas Residence Other Structure (Not a residence) Aggregate Resource Airport | <ul style="list-style-type: none"> Railroad State Boundary County Boundary Municipality |
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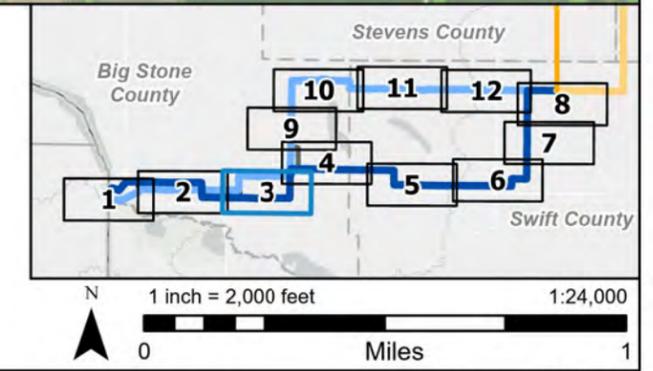


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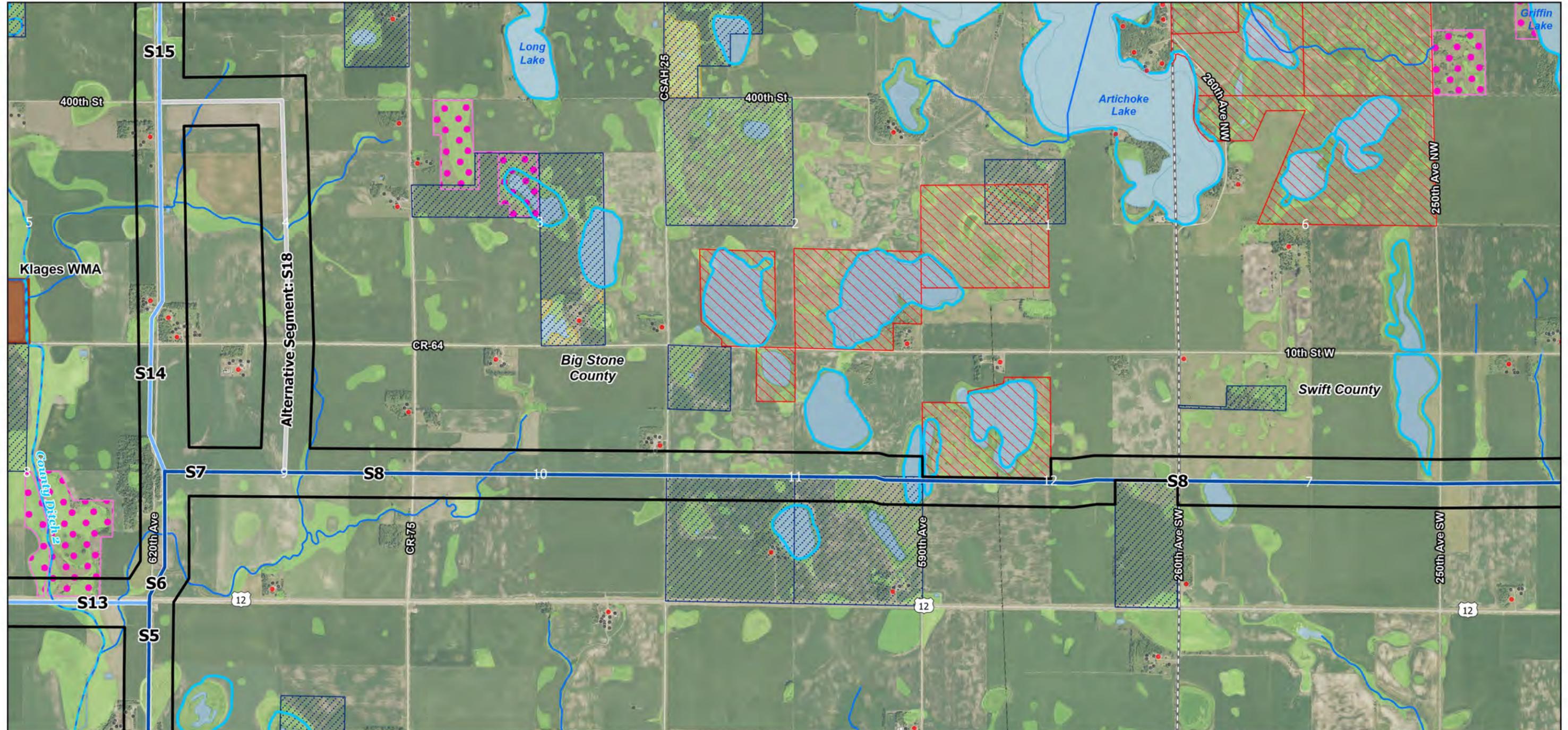


Legend

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| Route Width | Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | DNR Native Plant Community | Cemetery |
| Proposed Route Option | Undelineated National Wetland Inventory Wetland | USFWS Interest | Wellhead Protection Areas | Aggregate Resource |
| South 1 | DNR Public Water Basin | Grassland Easement | Residence | Airport |
| South 2 | DNR Public Watercourse | Wetland Easement | Other Structure (Not a residence) | Railroad |
| Connector Segment | | Fee Title | | State Boundary |
| Existing Substation | | BWSR RIM Conservation Easement | | County Boundary |

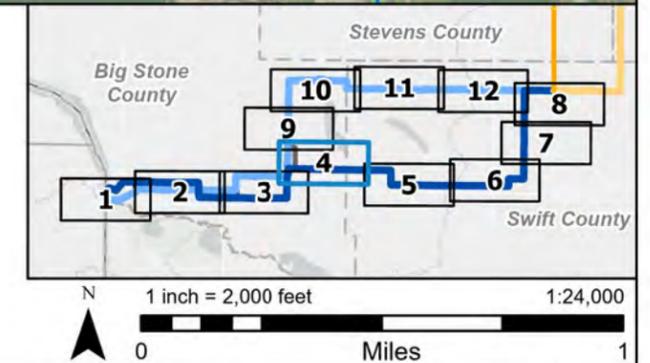


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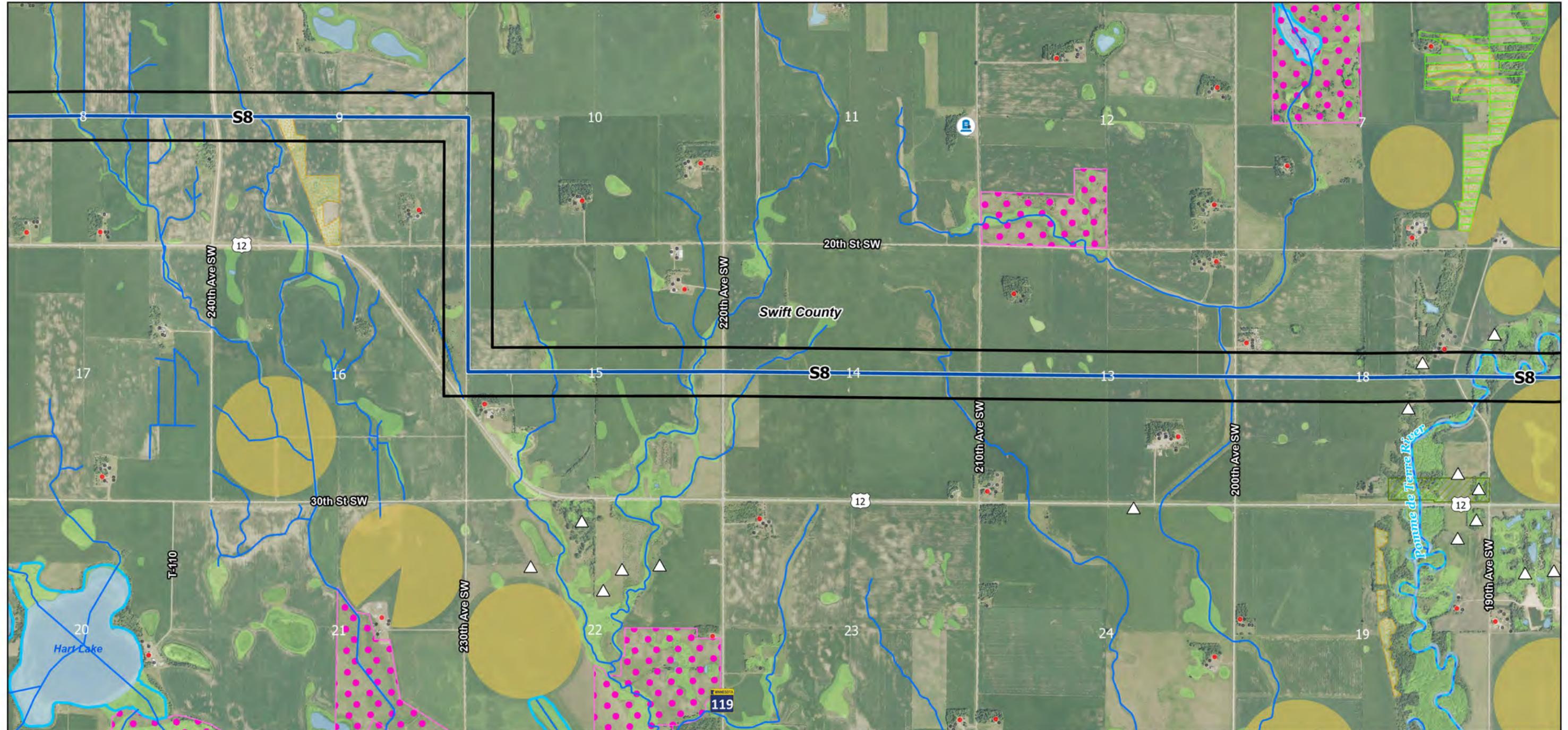


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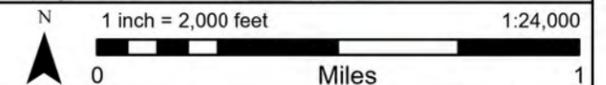
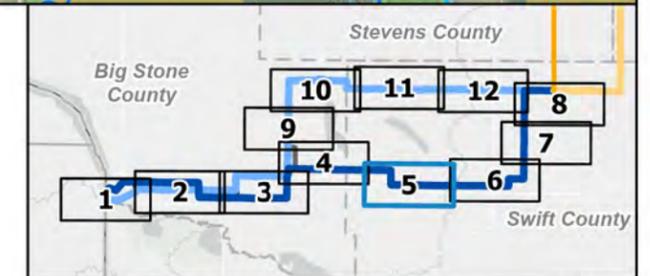
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| Route Width | Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | BWSR RIM Conservation Easement | Aggregate Resource |
| Proposed Route Option | Undelineated National Wetland Inventory Wetland | USFWS Interest | DNR Native Plant Community | Airport |
| South 1 | DNR Public Water Basin | Wetland Easement | Wellhead Protection Areas | Railroad |
| South 2 | DNR Public Watercourse | Fee Title | Residence | State Boundary |
| Segment Alternative | Wildlife Management Area | DNR Land | Other Structure (Not a residence) | County Boundary |
| Existing Substation | | | | |



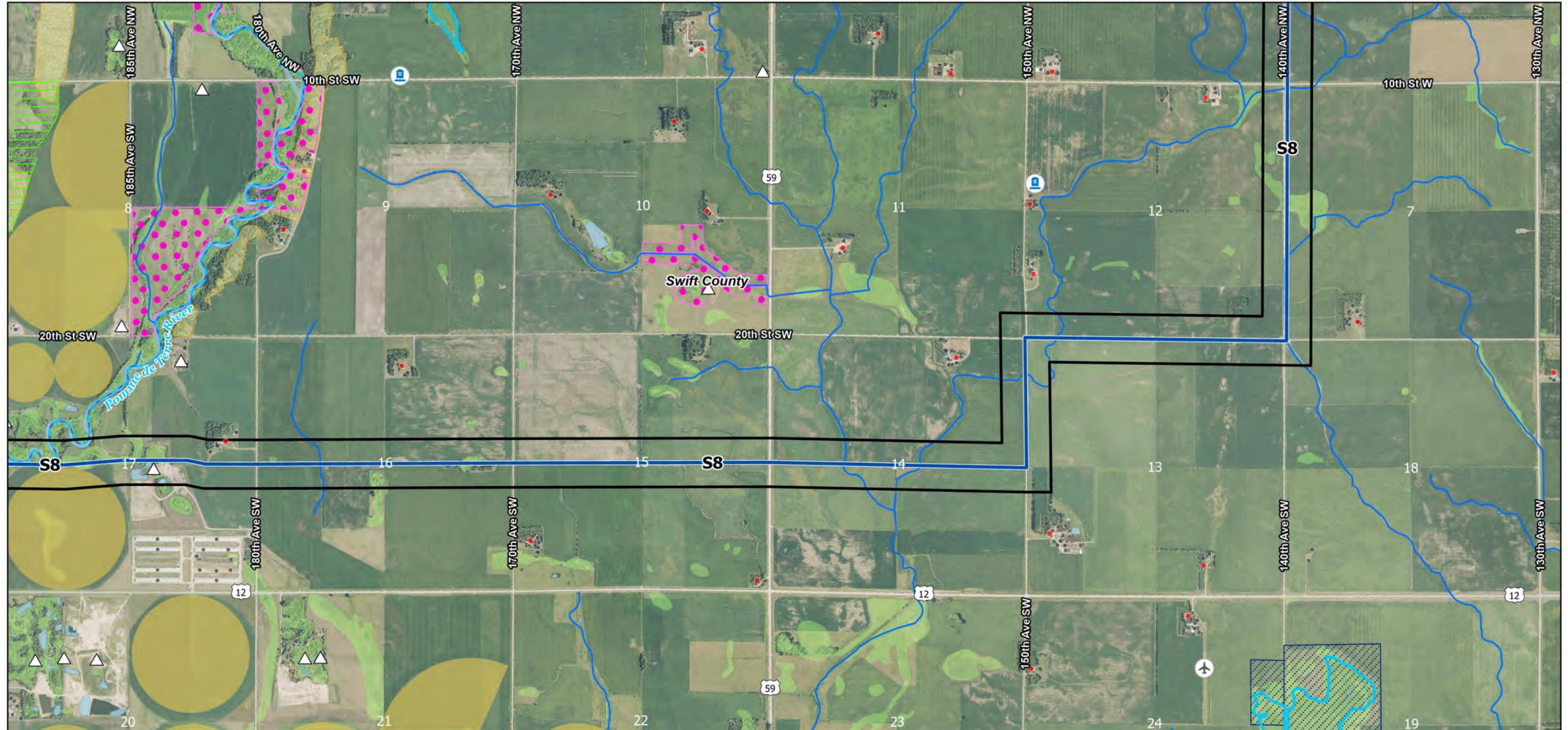
D-1 Detailed Map: South Segment - Page 5 of 12



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| Route Width | Undelineated National Wetland Inventory Wetland | USFWS Interest Grassland Easement | Center-pivot Irrigation | Cemetery |
| Proposed Route Option South 1 | DNR Public Water Basin | BWSR RIM Conservation Easement | Wellhead Protection Areas | Aggregate Resource |
| Existing Substation | DNR Public Watercourse | DNR Native Plant Community | Residence | Airport |
| Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | Park | Other Structure (Not a residence) | Railroad |
| | | | State Boundary | County Boundary |

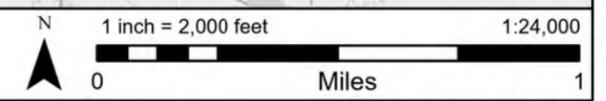
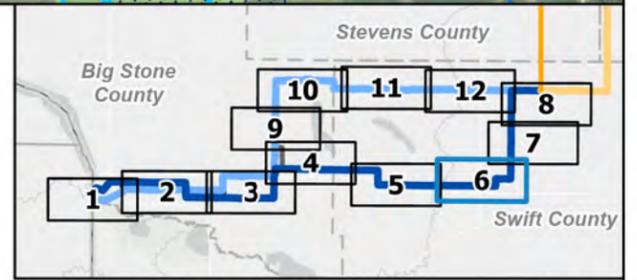


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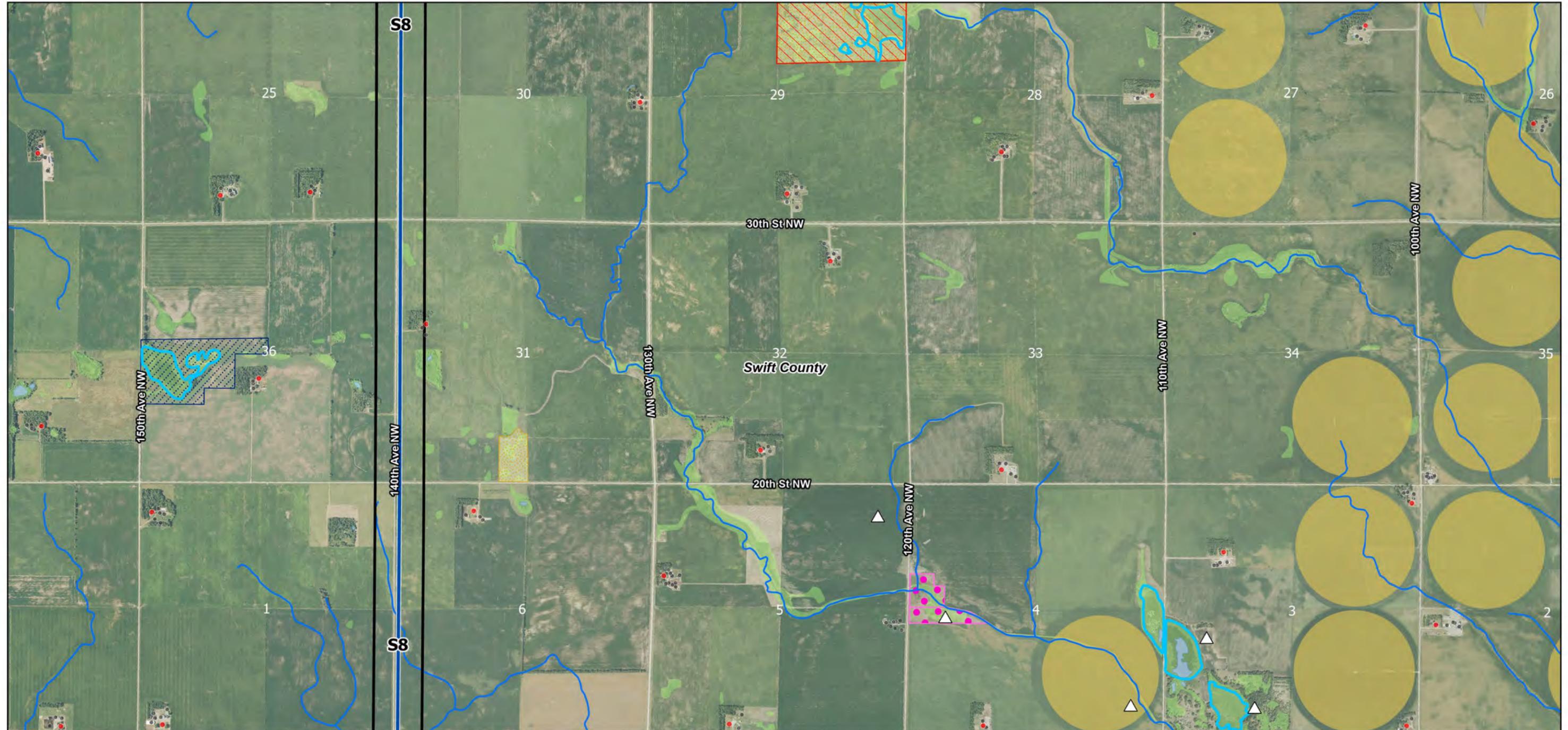


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| Route Width | Undelineated National Wetland Inventory Wetland | USFWS Interest | Center-pivot Irrigation | Cemetery |
| Proposed Route Option | DNR Public Water Basin | Grassland Easement | Wellhead Protection Areas | Aggregate Resource |
| Existing Substation | DNR Public Watercourse | Wetland Easement | Residence | Airport |
| Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | BWSR RIM Conservation Easement | Other Structure (Not a residence) | Railroad |
| | | DNR Native Plant Community | | State Boundary |
| | | | | County Boundary |

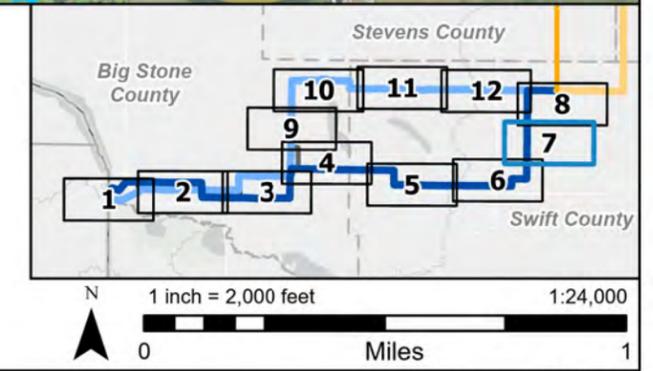


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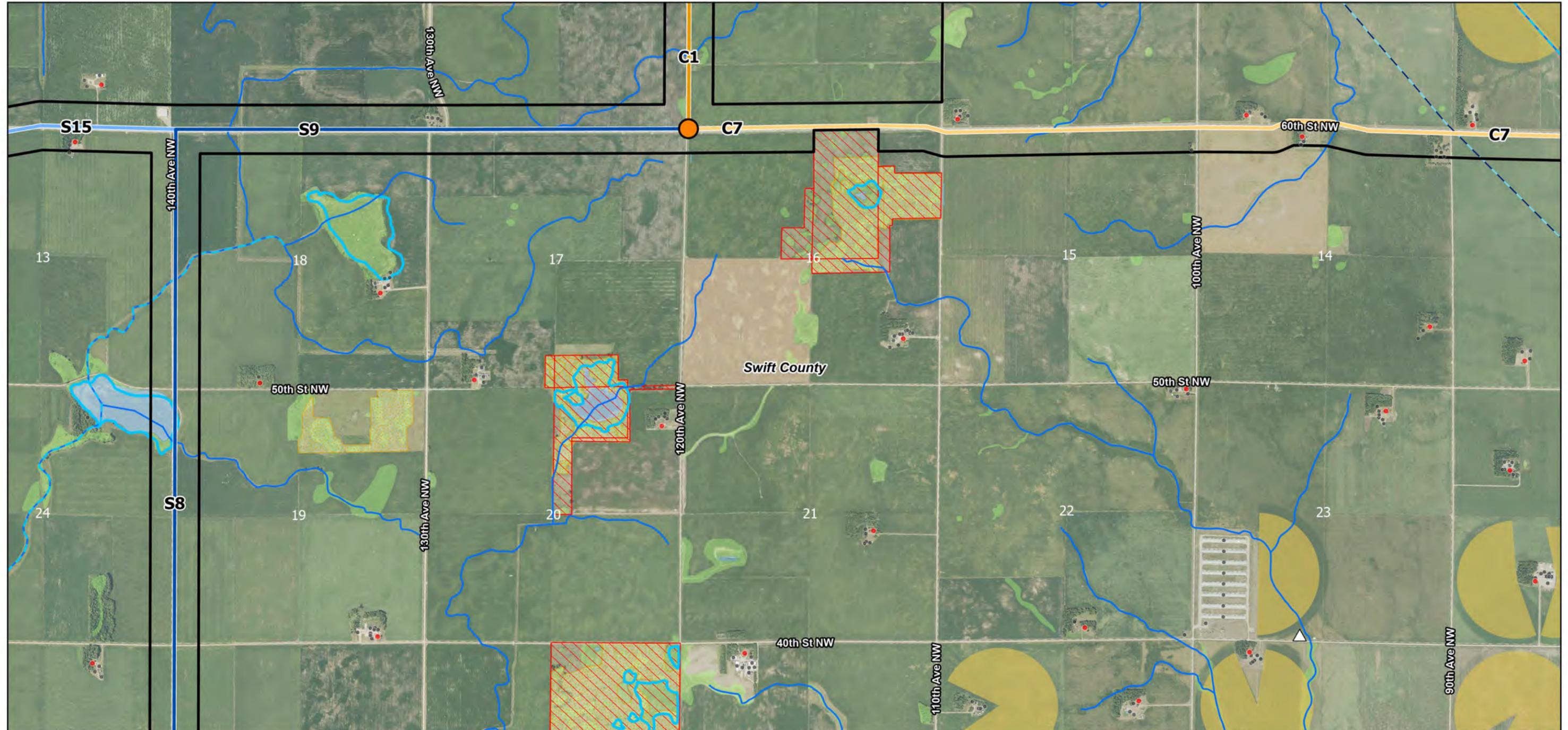


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| Route Width | Undelintated National Wetland Inventory Wetland | USFWS Interest | Center-pivot Irrigation | Aggregate Resource |
| Proposed Route Option | DNR Public Water Basin | Wetland Easement | Wellhead Protection Areas | Airport |
| South 1 | DNR Rivers and Streams | Fee Title | Residence | Railroad |
| Existing Substation | Undelintated National Wetland Inventory Waterbody | BWSR RIM Conservation Easement | Other Structure (Not a residence) | State Boundary |
| | | DNR Native Plant Community | | County Boundary |

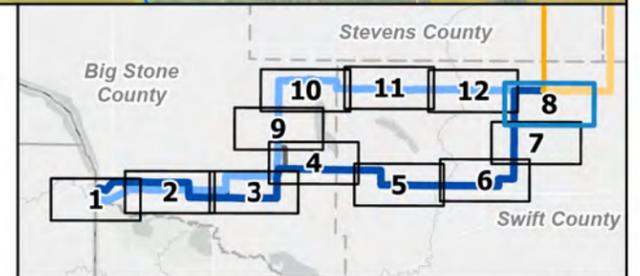


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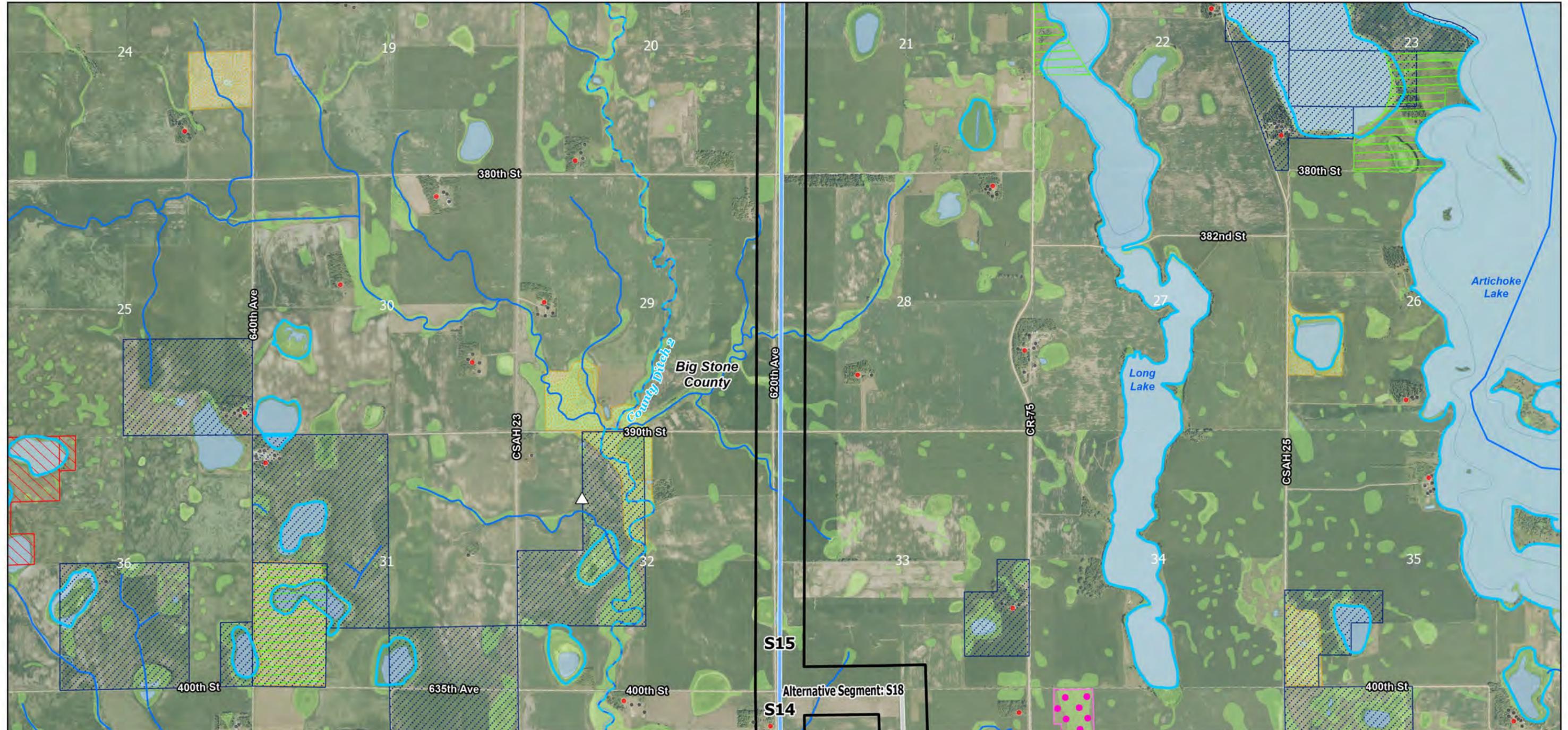


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| Route Width | Existing Substation | DNR Public Watercourse | Existing Transmission Line | Aggregate Resource |
| Proposed Route Option | Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | 230 kV | Airport |
| Central 1 | Undelineated National Wetland Inventory Wetland | USFWS Interest | Center-pivot Irrigation | Railroad |
| Central 2 | DNR Public Water Basin | Fee Title | Wellhead Protection Areas | State Boundary |
| South 1 | | DNR Native Plant Community | Residence | County Boundary |
| South 2 | | | Other Structure (Not a residence) | |
| Route Segment End | | | | |

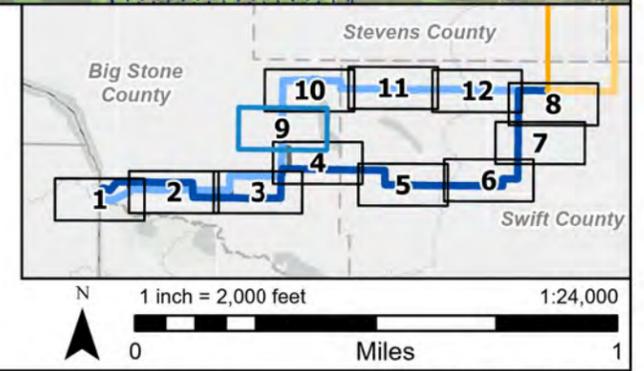


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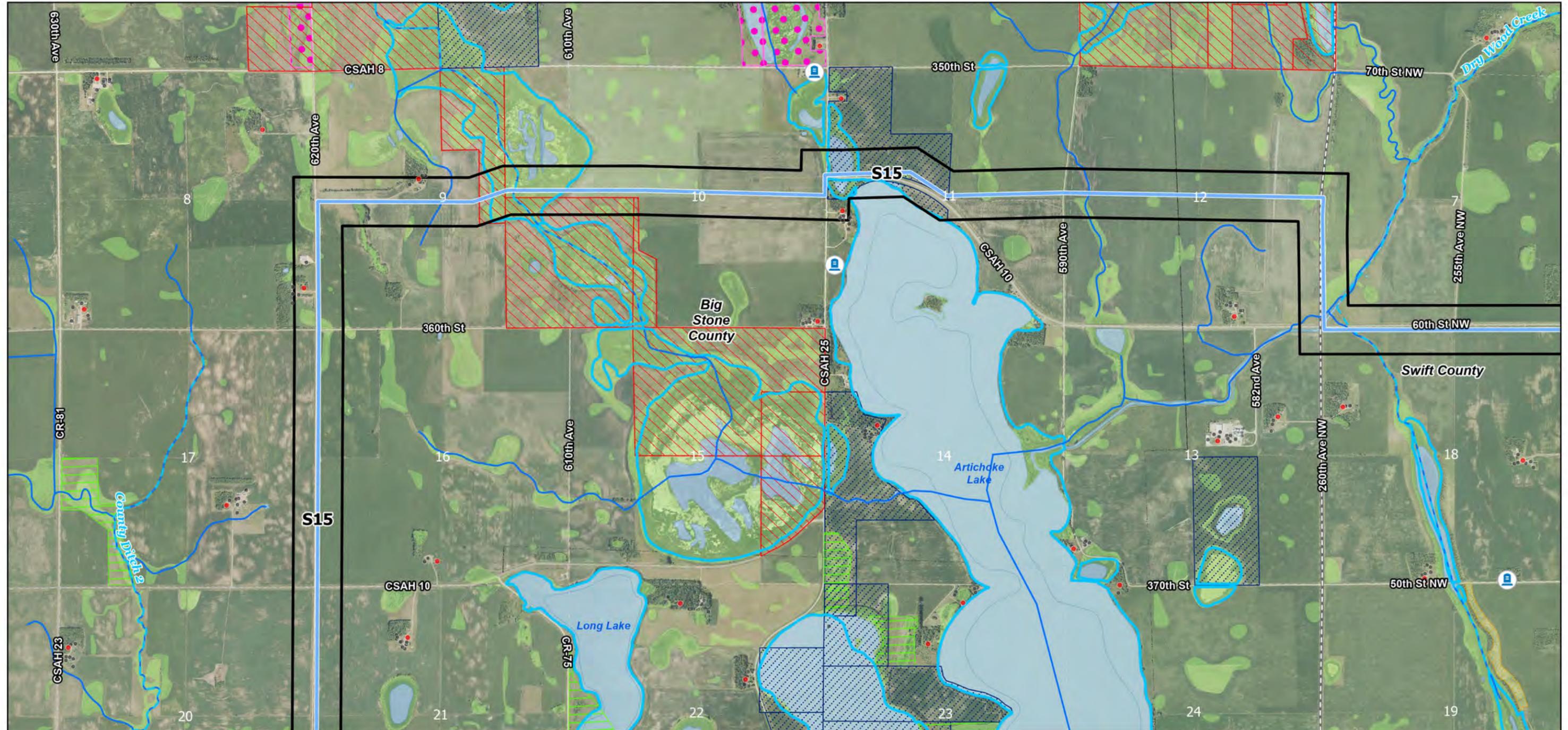


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| Route Width | Undelineated National Wetland Inventory Waterbody | DNR Rivers and Streams | DNR Native Plant Community | Aggregate Resource |
| Proposed Route Option | Undelineated National Wetland Inventory Wetland | USFWS Interest | Wellhead Protection Areas | Airport |
| South 2 | DNR Public Water Basin | Grassland Easement | Residence | Railroad |
| Segment Alternative | DNR Public Watercourse | Wetland Easement | Other Structure (Not a residence) | State Boundary |
| Existing Substation | Fee Title | BWSR RIM Conservation Easement | County Boundary | |

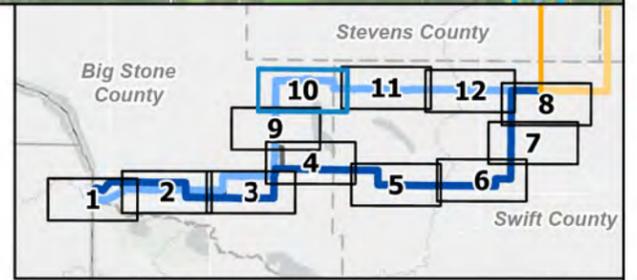


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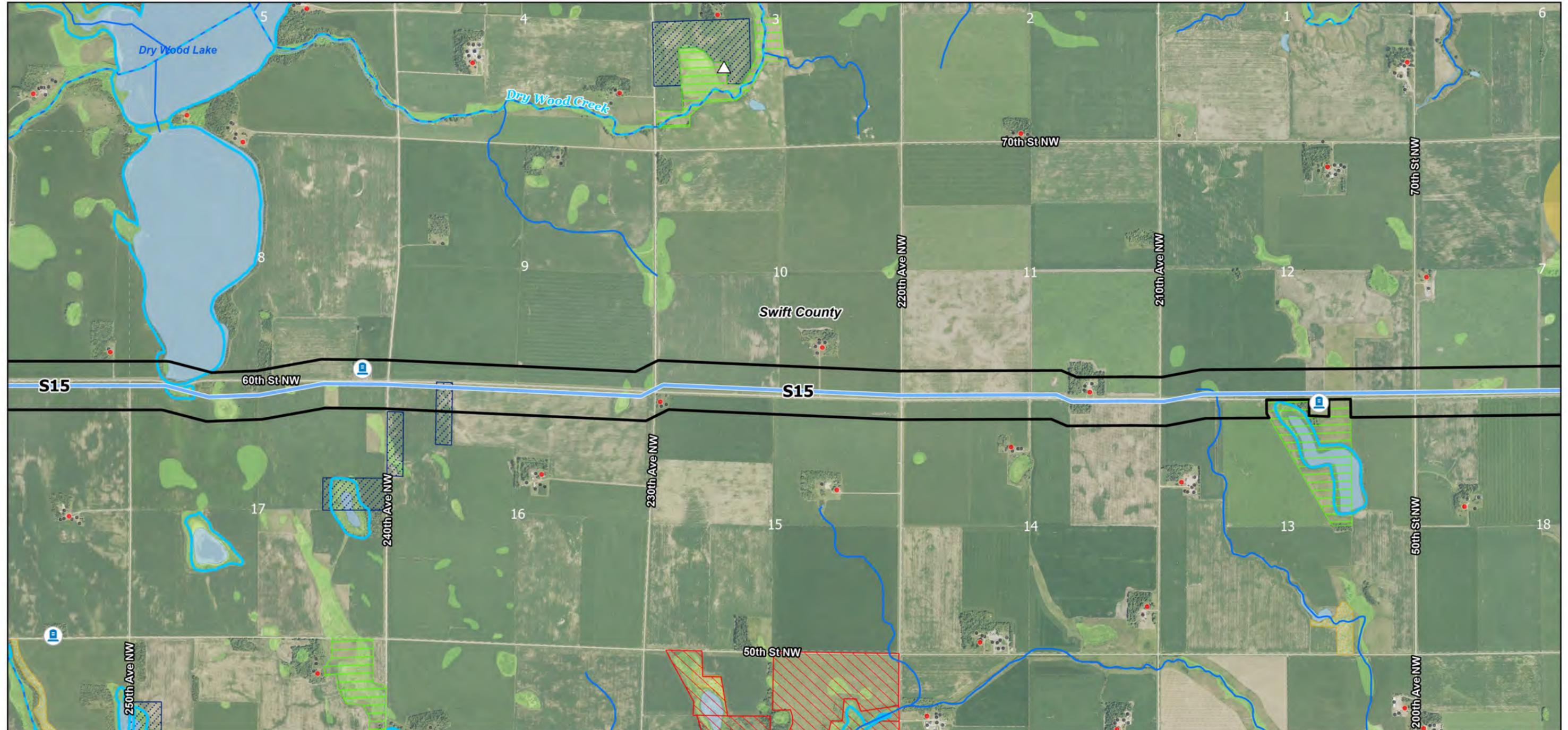


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| Route Width | Undelimited National Wetland Inventory Wetland | USFWS Interest | DNR Native Plant Community | Cemetery |
| Proposed Route Option | DNR Public Water Basin | Grassland Easement | Wellhead Protection Areas | Aggregate Resource |
| South 2 | DNR Public Watercourse | Wetland Easement | Residence | Airport |
| Existing Substation | DNR Rivers and Streams | Fee Title | Other Structure (Not a residence) | Railroad |
| Undelimited National Wetland Inventory Waterbody | BWSR RIM Conservation Easement | County Boundary | | |

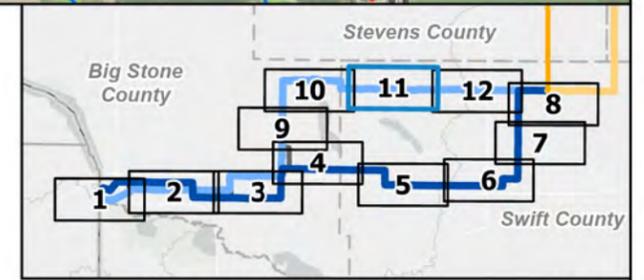


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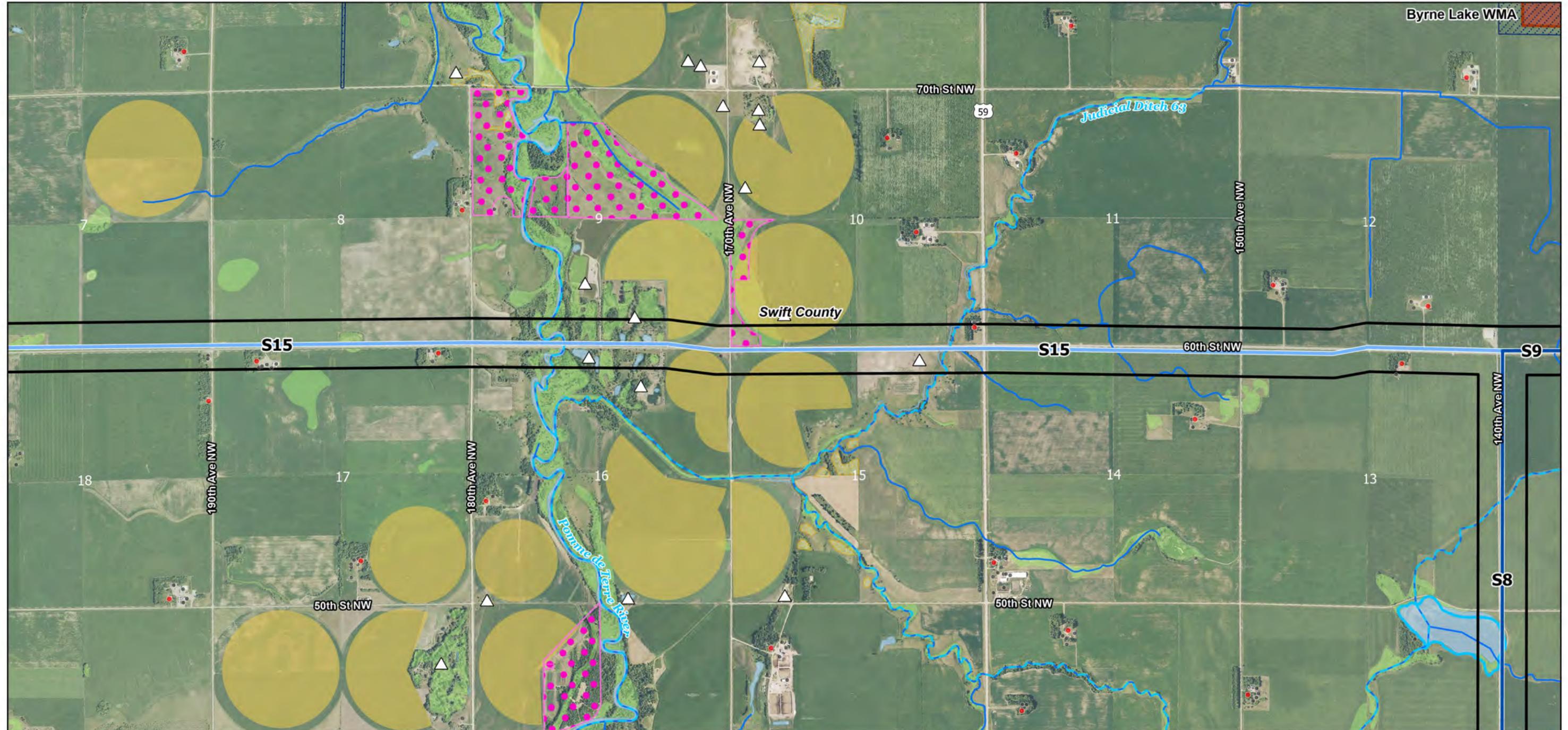


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| Route Width | Undelimited National Wetland Inventory Wetland | USFWS Interest | Center-pivot Irrigation | Cemetery |
| Proposed Route Option | DNR Public Water Basin | Grassland Easement | Wellhead Protection Areas | Aggregate Resource |
| South 2 | DNR Public Watercourse | Wetland Easement | Residence | Airport |
| Existing Substation | DNR Rivers and Streams | Fee Title | Other Structure (Not a residence) | Railroad |
| Undelimited National Wetland Inventory Waterbody | | DNR Native Plant Community | | State Boundary |
| | | | | County Boundary |



D-1 Detailed Map: South Segment - Page 12 of 12



Legend

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|--|---|---|---|
| <ul style="list-style-type: none"> Route Width Proposed Route Option South 1 South 2 Existing Substation Undelineated National Wetland Inventory Waterbody | <ul style="list-style-type: none"> Undelineated National Wetland Inventory Wetland DNR Public Water Basin DNR Public Watercourse DNR Rivers and Streams | <ul style="list-style-type: none"> USFWS Interest Grassland Easement Wetland Easement Other DNR Land Wildlife Management Area | <ul style="list-style-type: none"> BWSR RIM Conservation Easement DNR Native Plant Community Center-pivot Irrigation Wellhead Protection Areas Residence Other Structure (Not a residence) Aggregate Resource Airport Railroad State Boundary County Boundary |
|--|---|---|---|

