

Appendix F

Summary of Segments Evaluated and Rejected

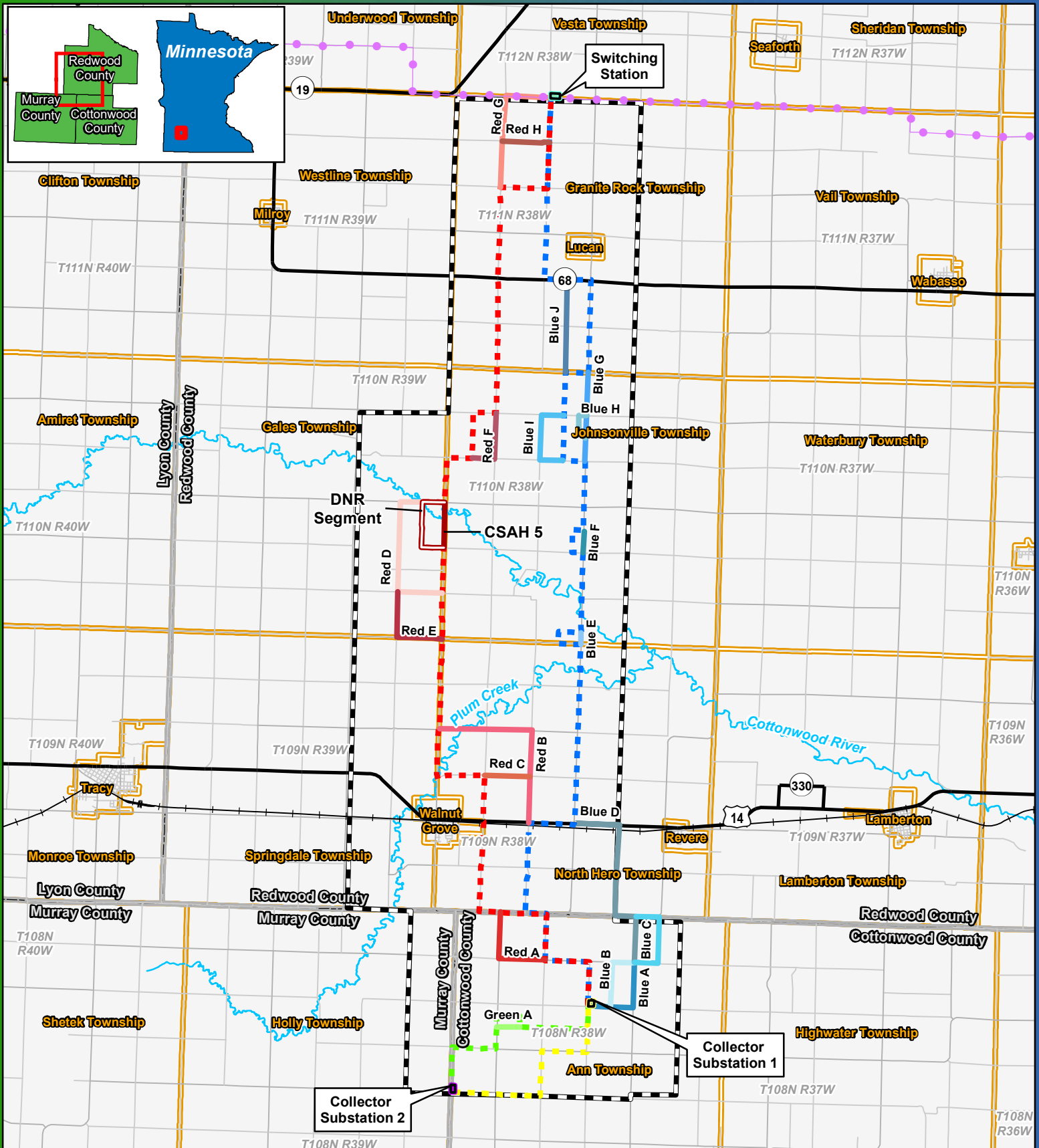
APPENDIX F

SUMMARY OF SEGMENTS EVALUATED AND REJECTED

The table below corresponds to the figure in this appendix and provides reasons these segment alternatives were not pursued, including human settlement, natural environment, and landowner input.

	Location	Length (miles)	Reason for Rejection
Green A	Along section centerline for half mile between CSAH 7 and 330 th Avenue	0.5	Segment would have bisected agricultural field not along field edge
Blue A	West out of Collector Substation 1 along 220 th Street and north along 350 th Avenue to 210 th Street	2.0	Compared to the Blue Segment equivalent between Collector Substation 1 and the intersection of US-14 and CSAH 10, closer proximity to proposed turbines and residences and less landowner interest
Blue B	Along section centerline north between 220 th Street and 210 th Street before following 210 th Street east for half mile to 350 th Avenue	1.5	
Blue C	From intersection of 350 th Avenue and 210 th Street, west along 210 th Street to section centerline north one mile and follows 200 th Street east half mile to 350 th Avenue	2.0	
Blue D	From the intersection of 350 th Avenue and 210 th Street, north along 350 th Street one mile, west along 200 th Street half mile, north along Fairview Avenue 2 miles, west along US-14 one mile	4.5	
Blue E	Along CSAH 10 between 160 th Street and 170 th Street	0.25	Landowner preference to route around field
Blue F	Along CSAH 10 between 180 th Street and CSAH 4	0.5	Aesthetic concerns of landowner at residence along County Hwy 10
Blue G	Along CSAH 10 between 200 th Street and 220 th Street	2.0	Aesthetic concerns, more residences than the Blue Segment equivalent
Blue H	Diagonal corner along field edge at intersection of 210 th Street and CSAH 10	0.6	Aesthetic concerns, proximity to residence
Blue I	From section centerline along 200 th Street west to Eagle Avenue and north to 210 th Street	2.0	More residences than the Blue Segment equivalent
Blue J	Along section centerline north between 220 th Street and MN068	2.0	While along parcel lines, new linear corridor compared to Blue Segment equivalent
Red A	From intersection of 330 th Avenue and 280 th Street, west along 210 th Street one mile then north along CSAH 7 one mile	2.0	Non-interested landowner parties
Red B	Along Eagle Avenue between US-14 north 2 miles then west two miles along 140 th Street	4.0	Required tree clearing along 140 th Street associated with Plum Creek; proximity to Laura Ingalls Wilder site

	Location	Length (miles)	Reason for Rejection
Red C	Along 130 th Street between Eagle Avenue and Duncan Avenue	1.0	Closer to residence
Red D	Along 170 th Street and section centerline from CSAH 5 west one mile to Crown Ave, north 2 miles to CSAH 4, then east half mile to section centerline	3.5	Multiple crossings of Lone Tree Creek; required tree clearing around farmstead; alignment would bisect a portion of agricultural field not along field edge; along Crown Avenue – moderate site of biodiversity on east side of road and farmstead with trees on opposite side
Red E	Along 160 th Street west one mile from CSAH 5 then north one mile along Crown Avenue	2.0	Cemetery, PWI crossing, and site of biodiversity significance compared to Red Segment equivalent
Red F	From section centerline along 200 th Street east half mile to Duncan Avenue and north one mile along Duncan Avenue	1.5	More residences than Red Segment equivalent
Red G	Along Duncan Avenue north 2 miles from 260 th Street to 280 th Street and east one mile to the switching station	3.0	Existing 345 kV transmission along 280 th Street
Red H	Along 2701 st Street between Duncan Avenue and Eagle Avenue	1.0	Non-interested landowner party



0 1 2 3 Miles

Data Source: Geronimo Energy, US Census, USGS, MDNR

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Segments Evaluated but Rejected

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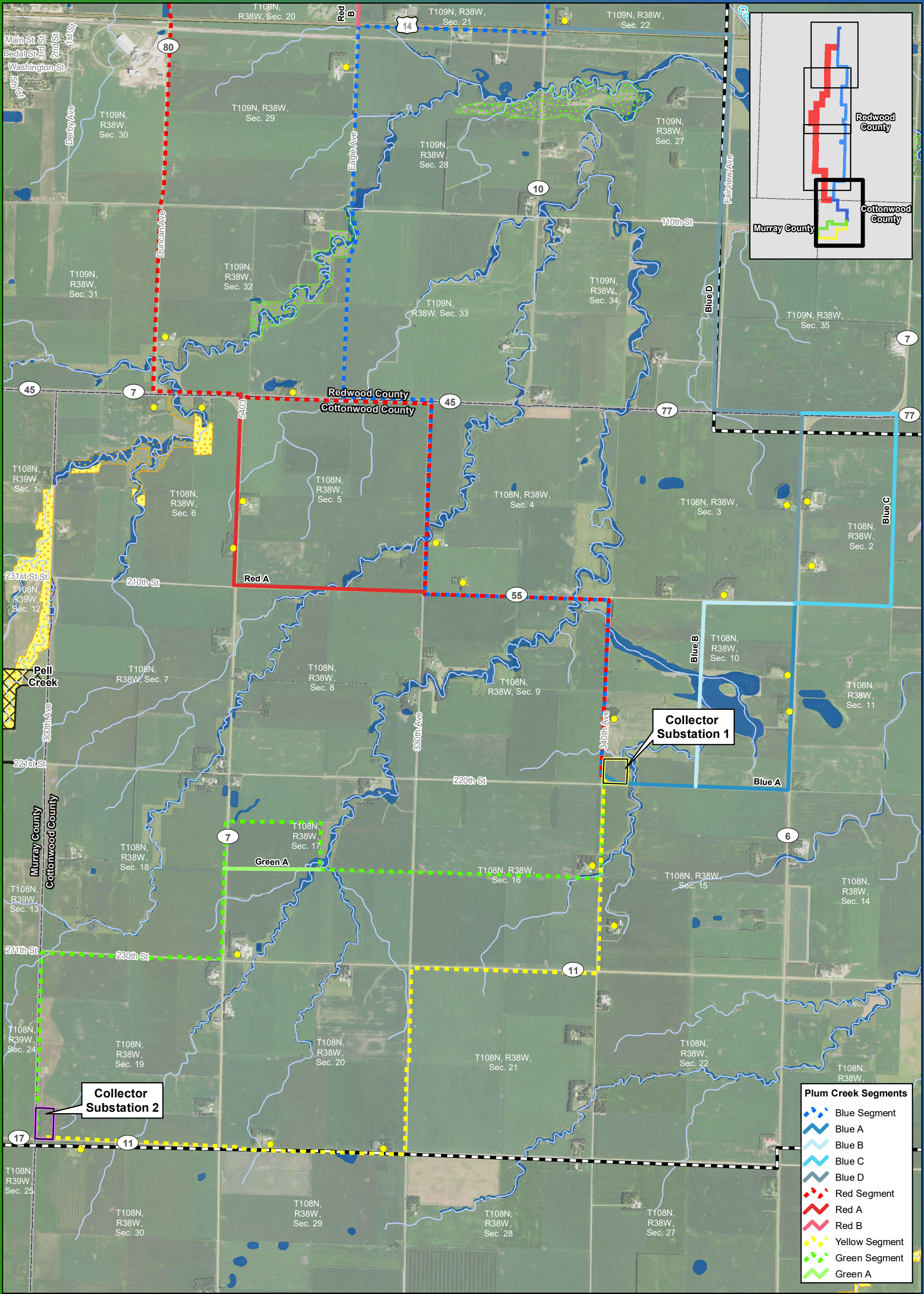
Plum Creek HVTL Project

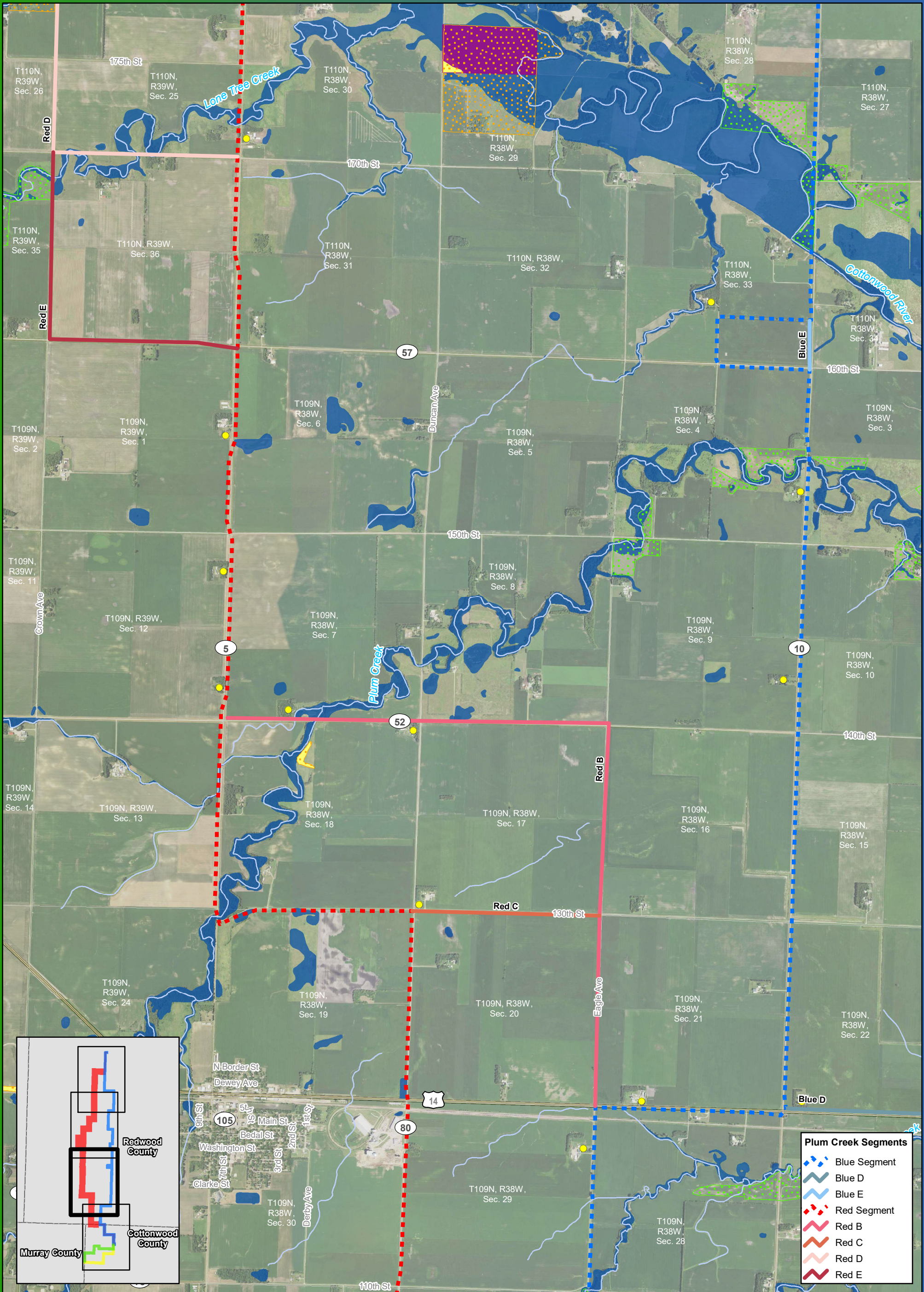
Redwood, Murray, and

Cottonwood Counties, MN

- Existing 345 kV Transmission Line
- Project Area/ Study Area
- Switching Station
- Collector Substation 1
- Collector Substation 2
- City/Township

brian.schreurs Date: 11/4/2019





0 0.25 0.5
Miles



Imagery: MNGeo 2017 Color FSA
Sources: Geronimo Energy, MN Geospatial Commons,
MDNR, MNDOT, USFWS

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Plum Creek HVTL Project

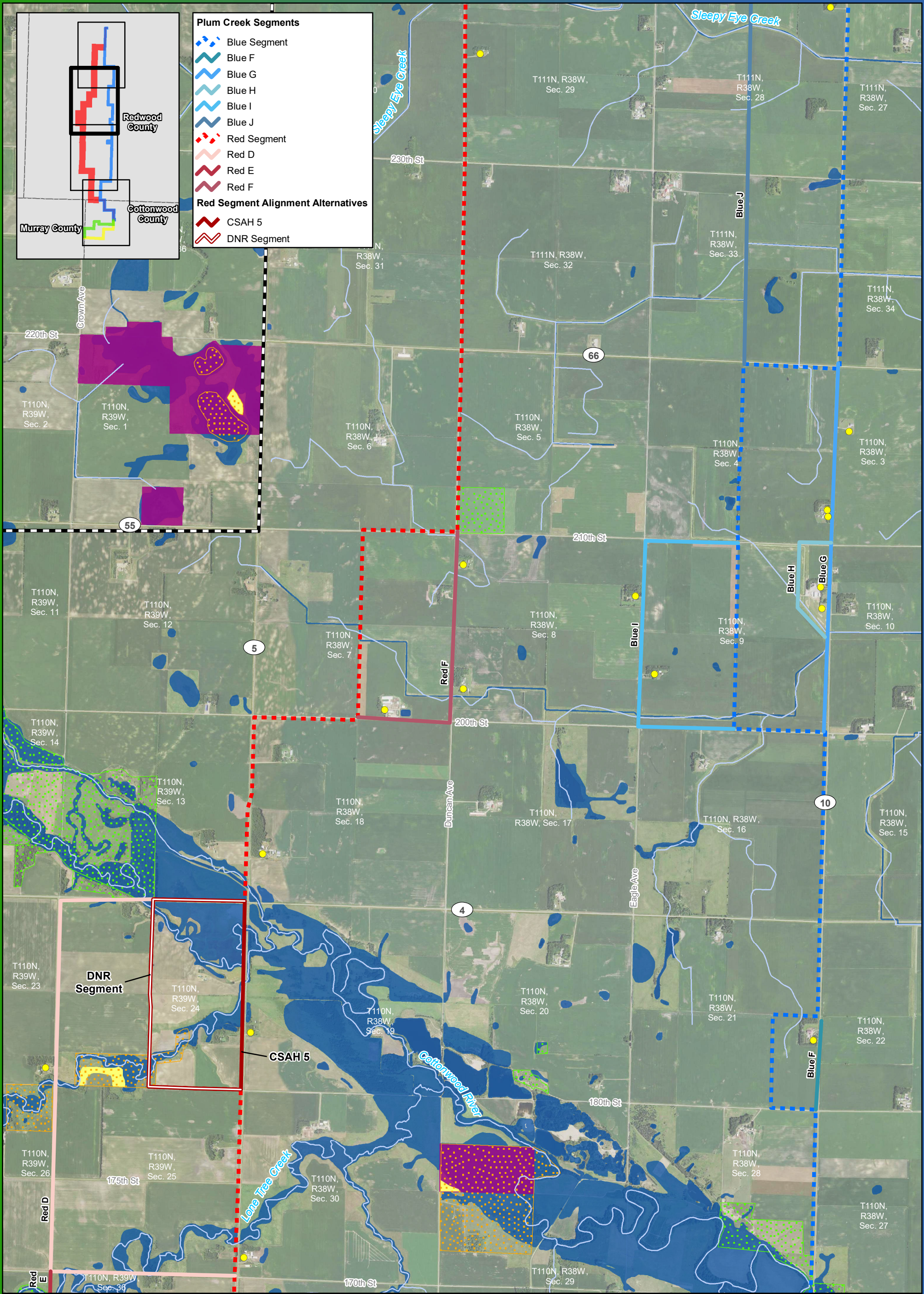
Redwood, Murray, and

Cottonwood Counties, MN

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- Residence within 500ft of Segments
- Existing 345 kV Transmission Line
- Switching Station
- Collector Substation 1
- Collector Substation 2
- Project Notice Area/ Study Area

- National Wildlife Refuge
- Native Plant Community
- Wildlife Management
- NWI Wetlands
- MDNR Stream/River
- Sites of Biological Significance**
 - Moderate
 - Below



0 0.25 0.5
Miles

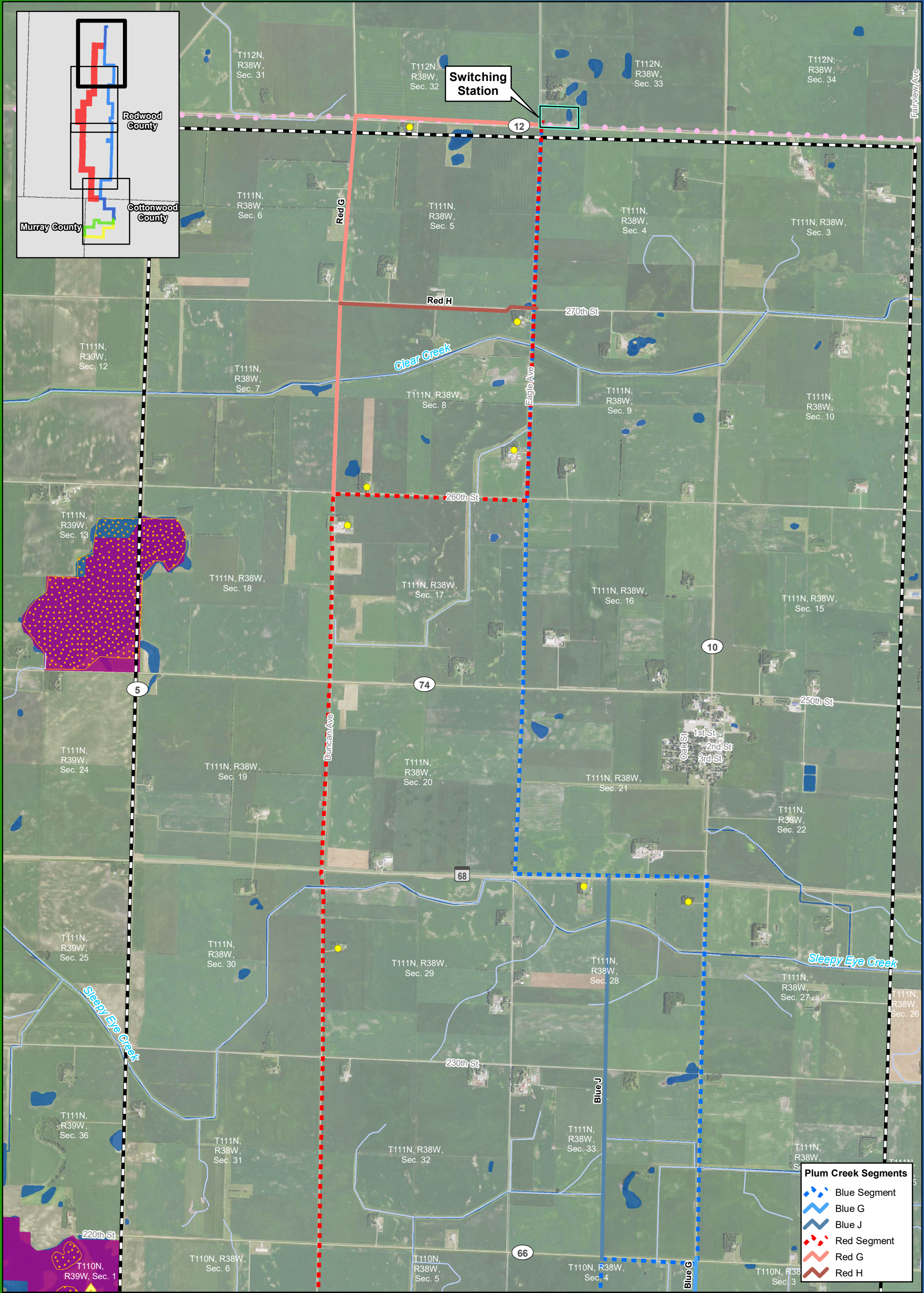


Imagery: MNGeo 2017 Color FSA
Sources: Geronimo Energy, MN Geospatial Commons,
MDNR, MNDOT, USFWS

Segments Evaluated but Rejected Appendix F Plum Creek HVTL Project Redwood, Murray, and Cottonwood Counties, MN Page 3 of 4

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