

Upper Afton Wind Project

Surficial Geology



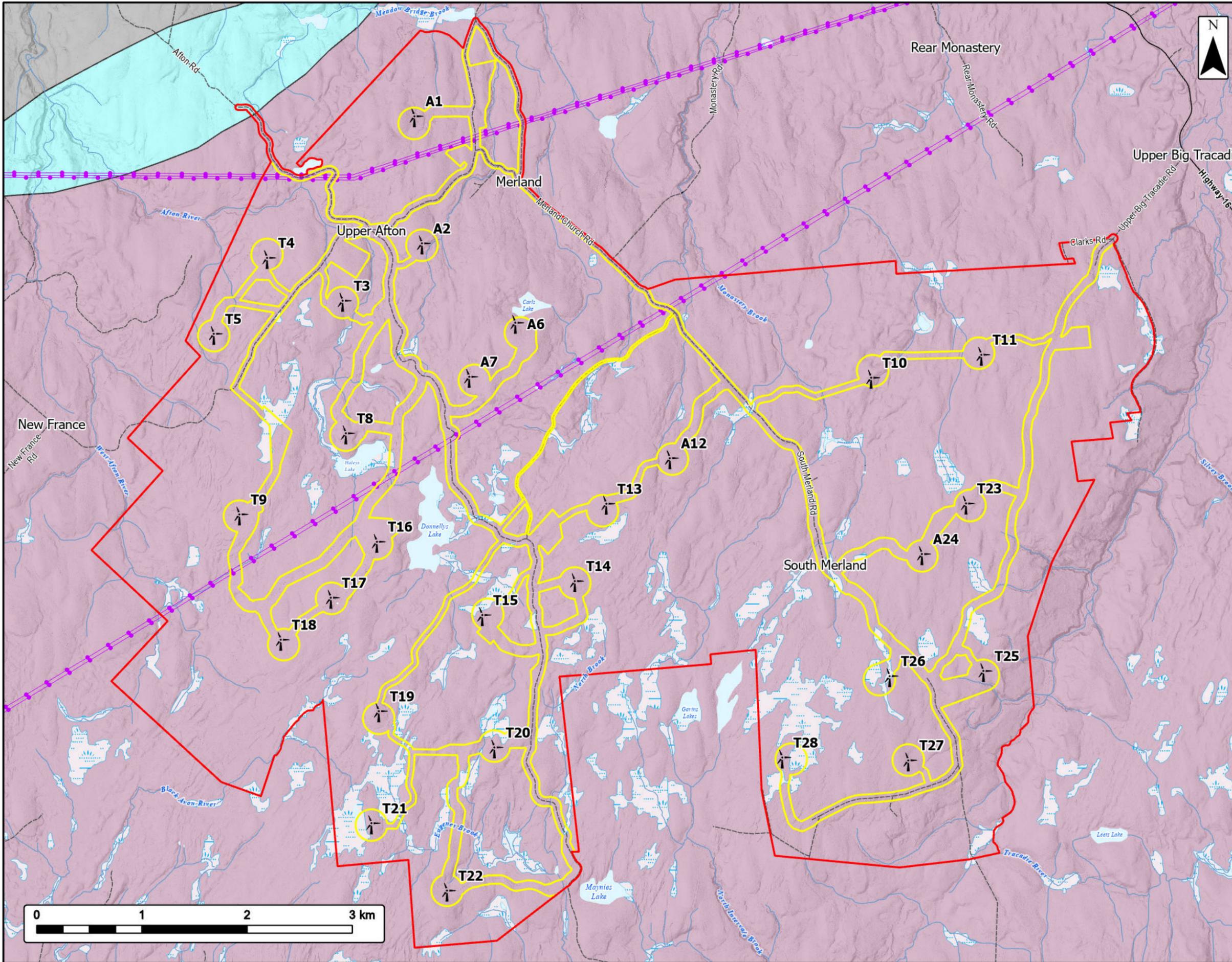
Study Area		Transportation	
Assessment Area		Road	
Proposed Turbine Location		Unpaved Road	
		Utilities (Line)	
		Existing Transmission Lines	
Surficial Geology By Unit			
Alluvial Deposits		Water Features	
Bedrock		Mapped Watercourses	
Hummocky Ground Moraine		Mapped Lakes and Rivers	
Kame Fields and Esker Systems		Mapped Wetlands	
Organic Deposits			
Silty Drumlin			
Silty Till Plain			
Stony Till Plain			



Coordinate System: NAD 1983 CSRS UTM Zone 20N
 Sources: Esri, NASA, NGA, USGS, Service Nova Scotia, GeoNOVA, SNSIS, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

Date:	2026-02-24	Project #:	24-11145
Scale:	1:35,000	Drawing #:	8.2
Drawn By:	K. Wallace		
Checked By:	M. Smith		





Upper Afton Wind Project

Bedrock Geology



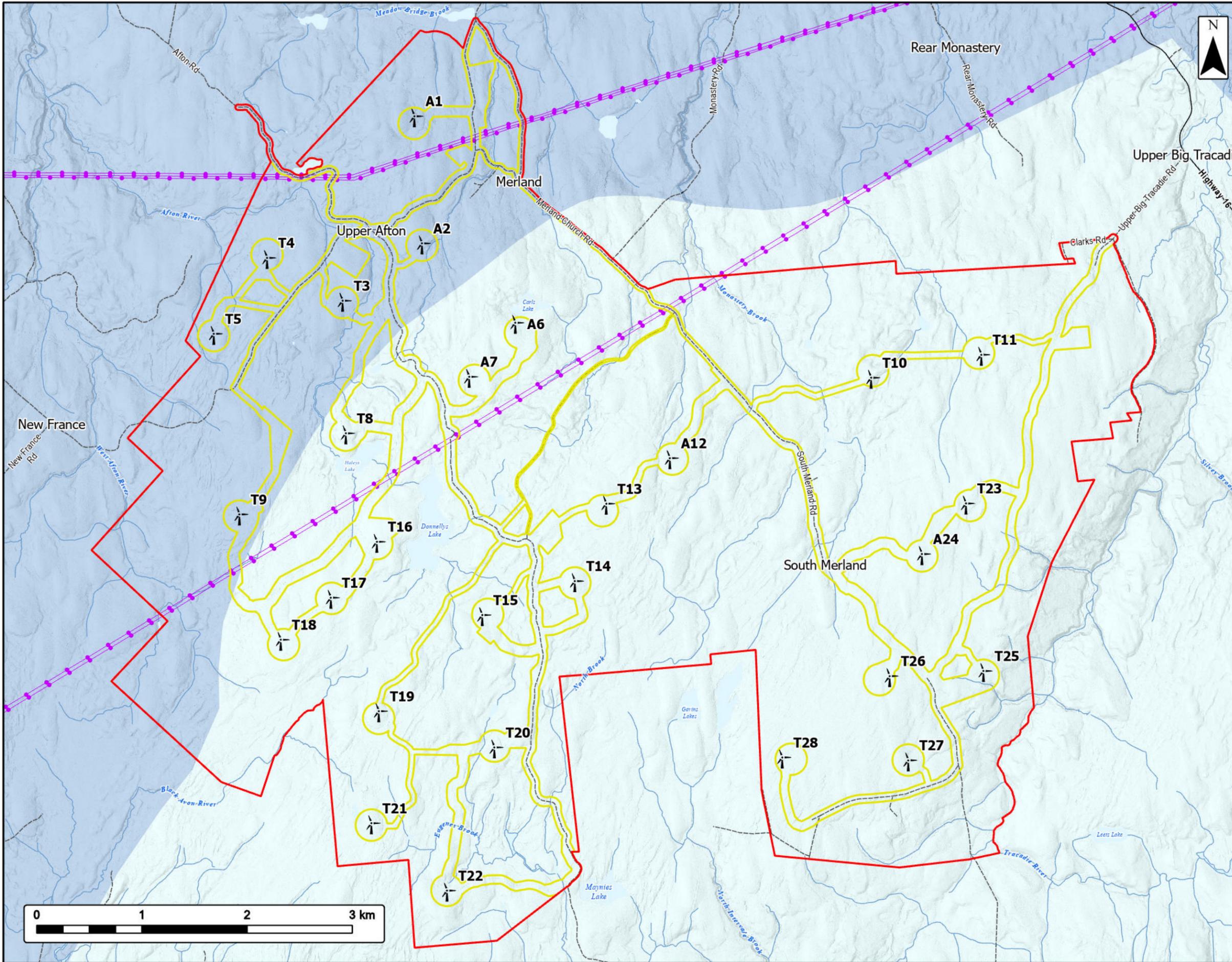
- Study Area
- Assessment Area
- Proposed Turbine Location
- Bedrock Geology By Formation**
- Hastings Formation
- Windsor Group: Northern Mainland
- Horton Group: Northern Mainland
- Transportation**
- Road
- Unpaved Road
- Utilities (Line)**
- Existing Transmission Lines
- Water Features**
- Mapped Watercourses
- Mapped Lakes and Rivers
- Mapped Wetlands



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Date: 2026-02-24	Project #: 24-11145
Scale: 1:35,000	<h1>8.3</h1>
Drawn By: K. Wallace	
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Upper Afton Wind Project

Karst Risk



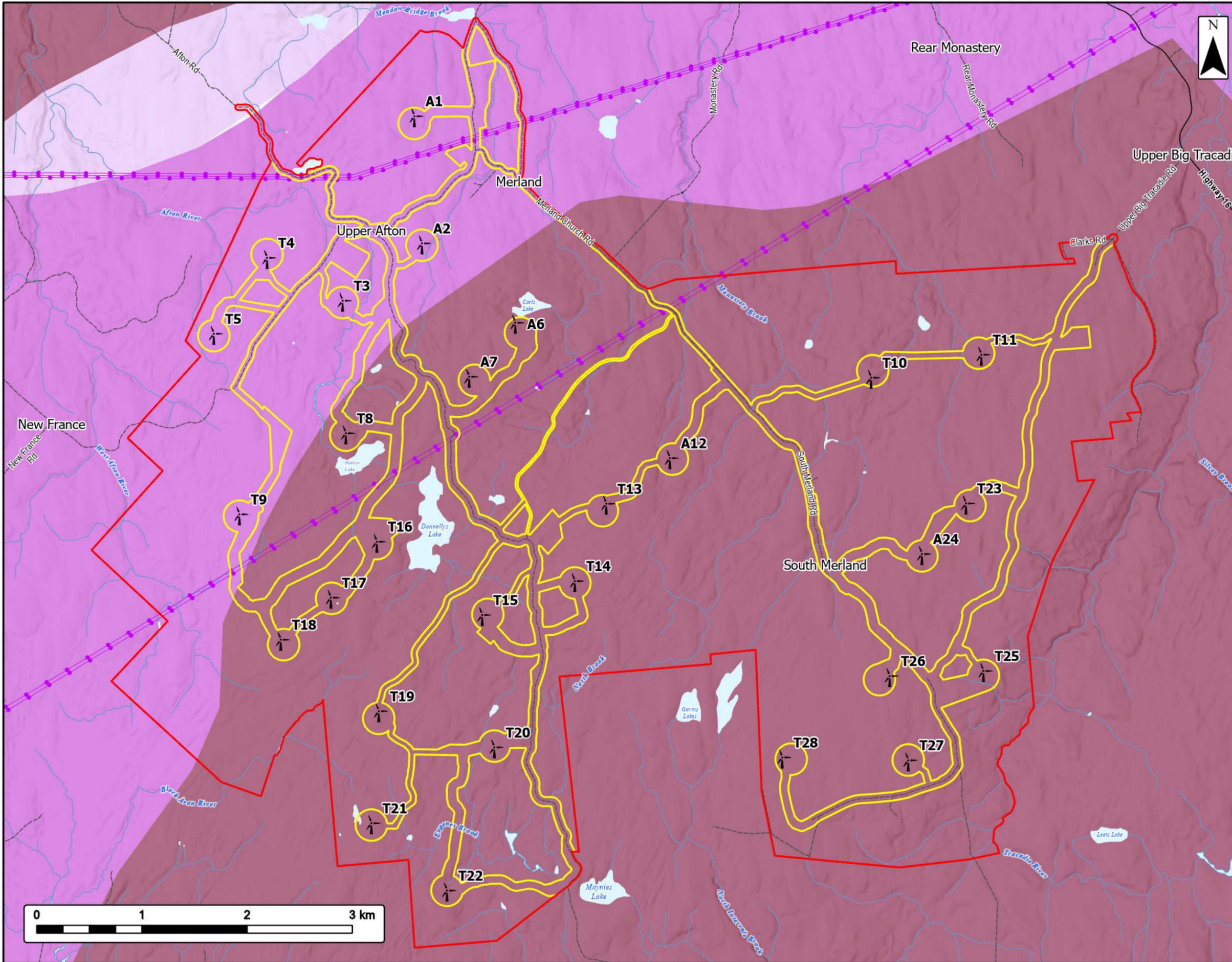
Study Area	
Assessment Area	
Proposed Turbine Location	
Karst Risk	
Low Risk	
Medium Risk	
Transportation	
Road	
Unpaved Road	
Utilities (Line)	
Existing Transmission Lines	
Water Features	
Mapped Watercourses	
Mapped Lakes and Rivers	



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Scale:	1:35,000	Drawing #:	8.4
Drawn By:	K. Wallace		
Checked By:	M. Smith		





Upper Afton Wind Project
Arsenic Risk



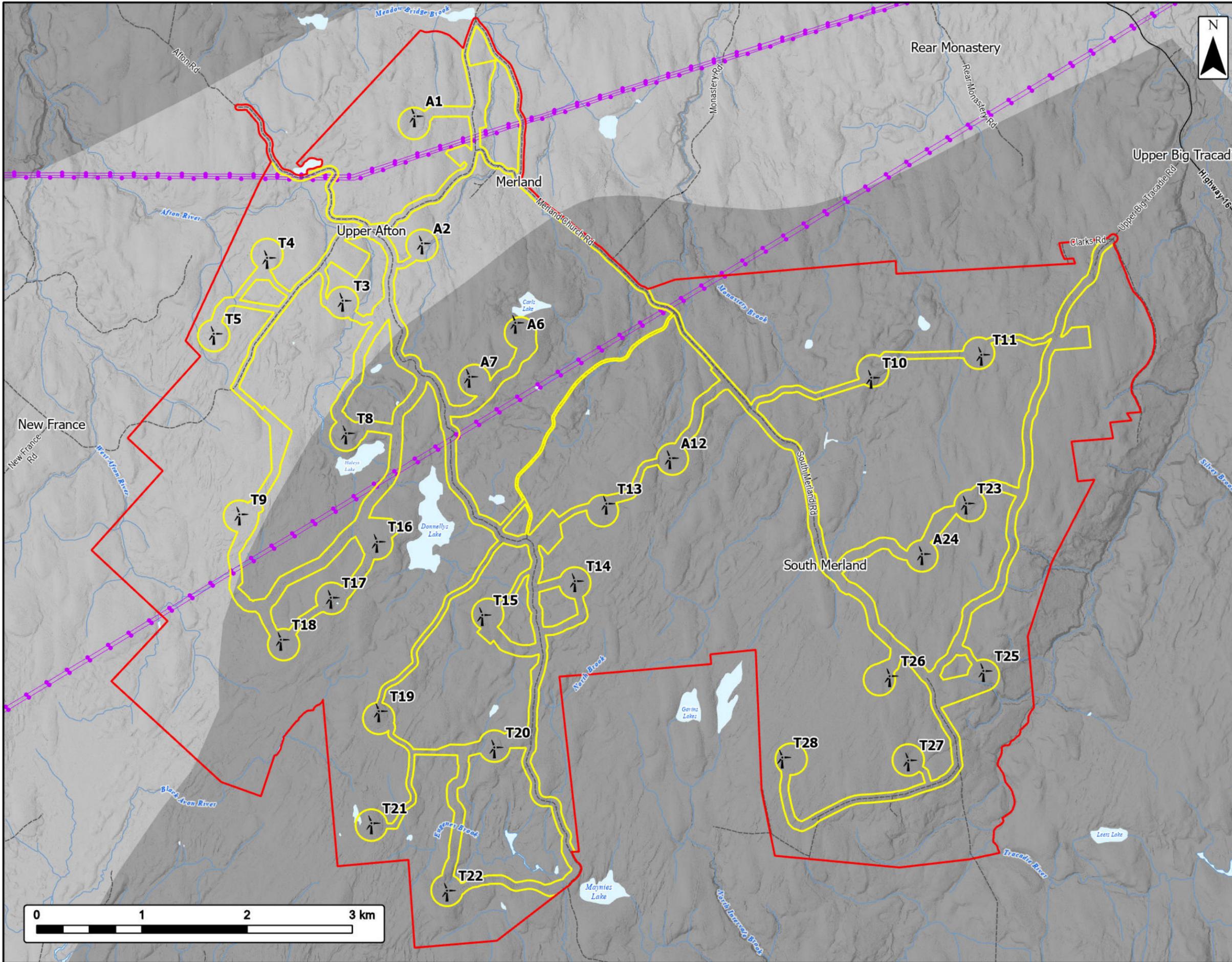
Study Area	
Assessment Area	
Proposed Turbine Location	
Arsenic Risk	
High Risk	
Medium Risk	
Low Risk	
Transportation	
Road	
Unpaved Road	
Utilities (Line)	
Existing Transmission Lines	
Water Features	
Mapped Watercourses	
Mapped Lakes and Rivers	



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Date: 2026-02-24	Project #: 24-11145
Scale: 1:35,000	Drawing #: 8.5
Drawn By: K. Wallace	
Checked By: M. Smith	





Upper Afton Wind Project

Manganese Risk



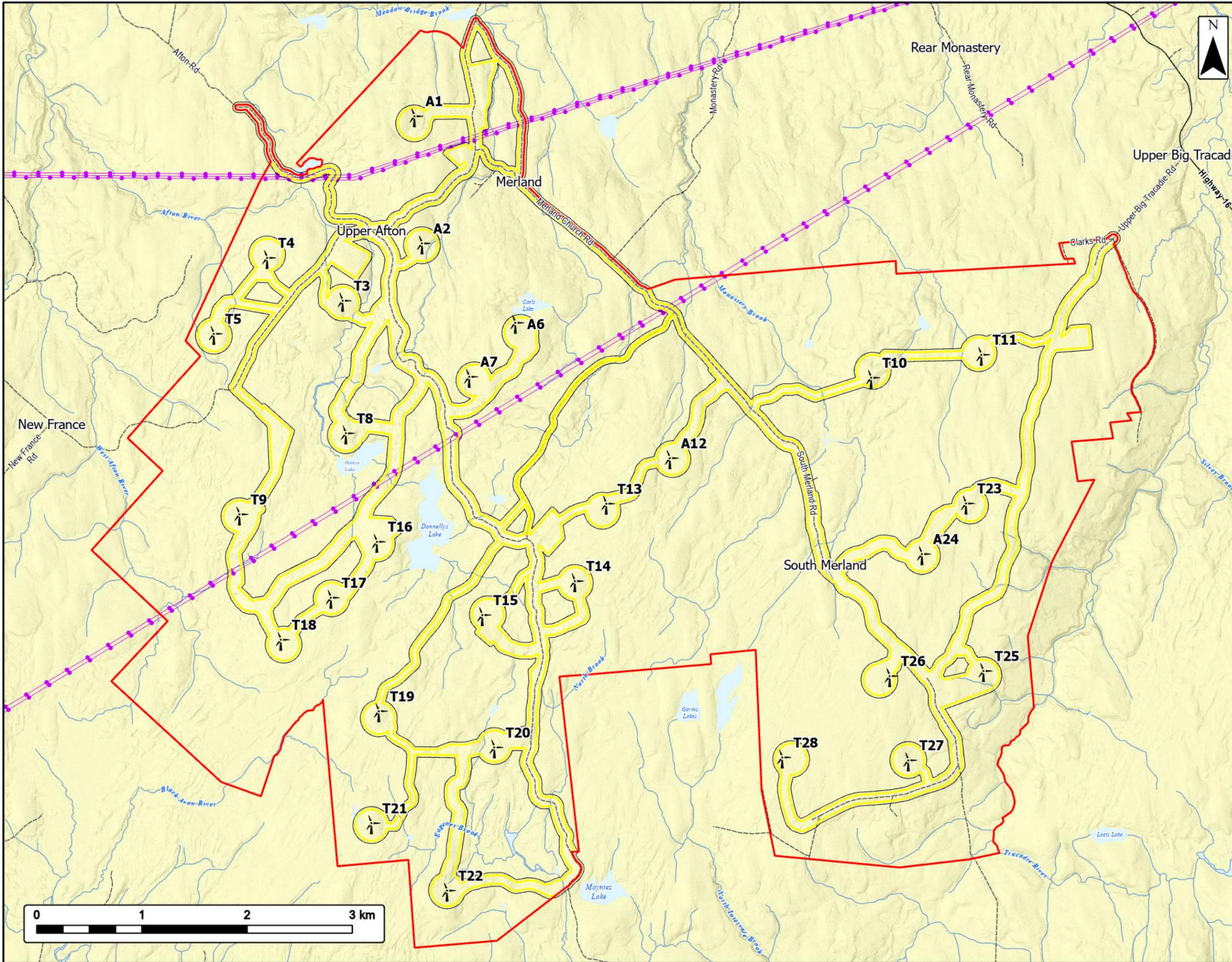
- Study Area
- Assessment Area
- Proposed Turbine Location
- Manganese Risk**
- High Risk
- Medium Risk
- Transportation**
- Road
- Unpaved Road
- Utilities (Line)**
- Existing Transmission Lines
- Water Features**
- Mapped Watercourses
- Mapped Lakes and Rivers



Coordinate System: NAD 1983 CSRS UTM Zone 20N
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Date: 2026-02-24	Project #: 24-11145
Scale: 1:35,000	Drawing #: 8.6
Drawn By: K. Wallace	
Checked By: M. Smith	





Upper Afton Wind Project
Uranium Risk



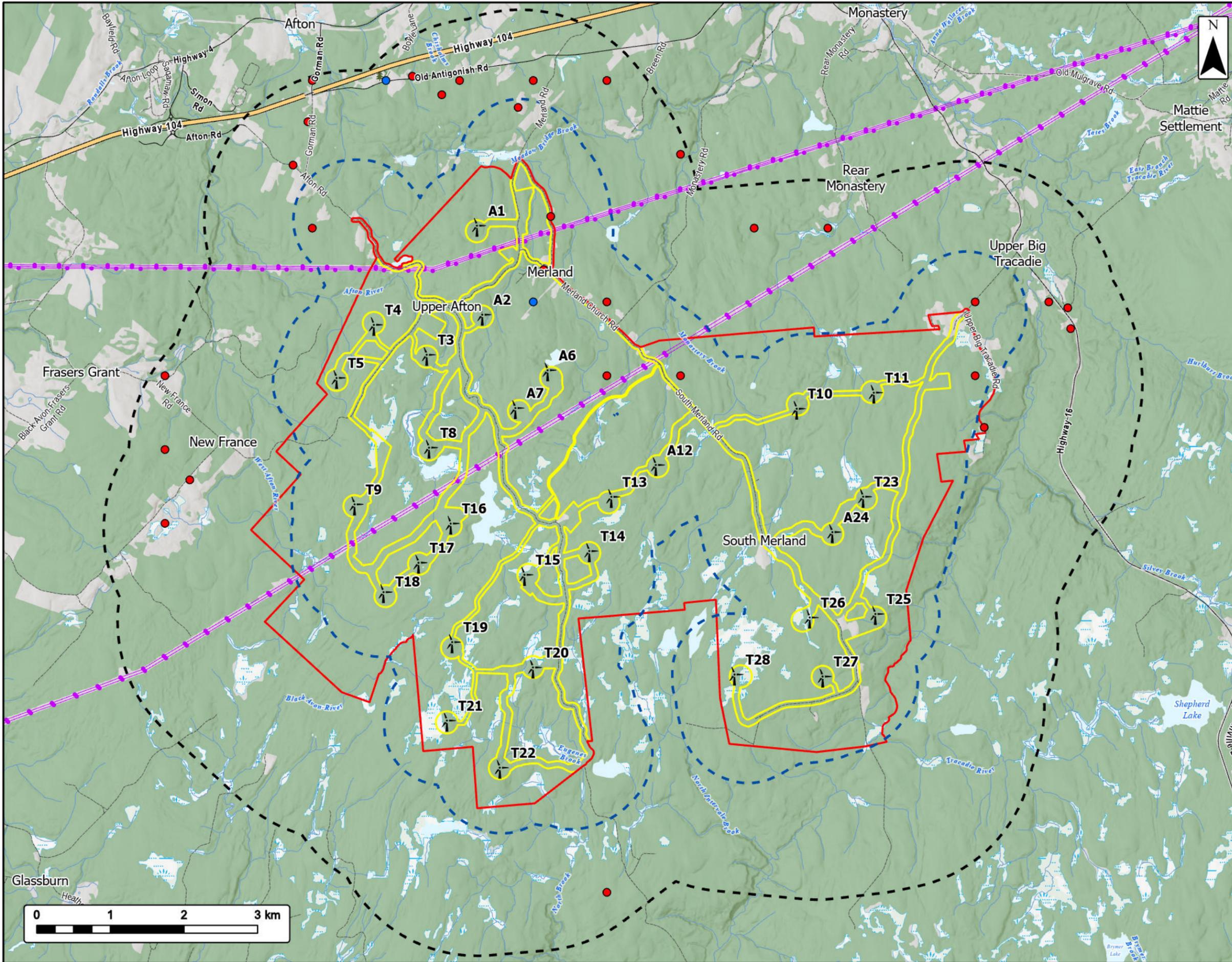
Study Area	
Assessment Area	
Proposed Turbine Location	
Low Risk	
Transportation	
Road	
Unpaved Road	
Utilities (Line)	
Existing Transmission Lines	
Water Features	
Mapped Watercourses	
Mapped Lakes and Rivers	



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Date:	2026-02-24	Project #:	24-11145
Scale:	1:35,000	Drawing #:	8.7
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Checked By:	M. Smith		





Upper Afton Wind Project

Groundwater Wells



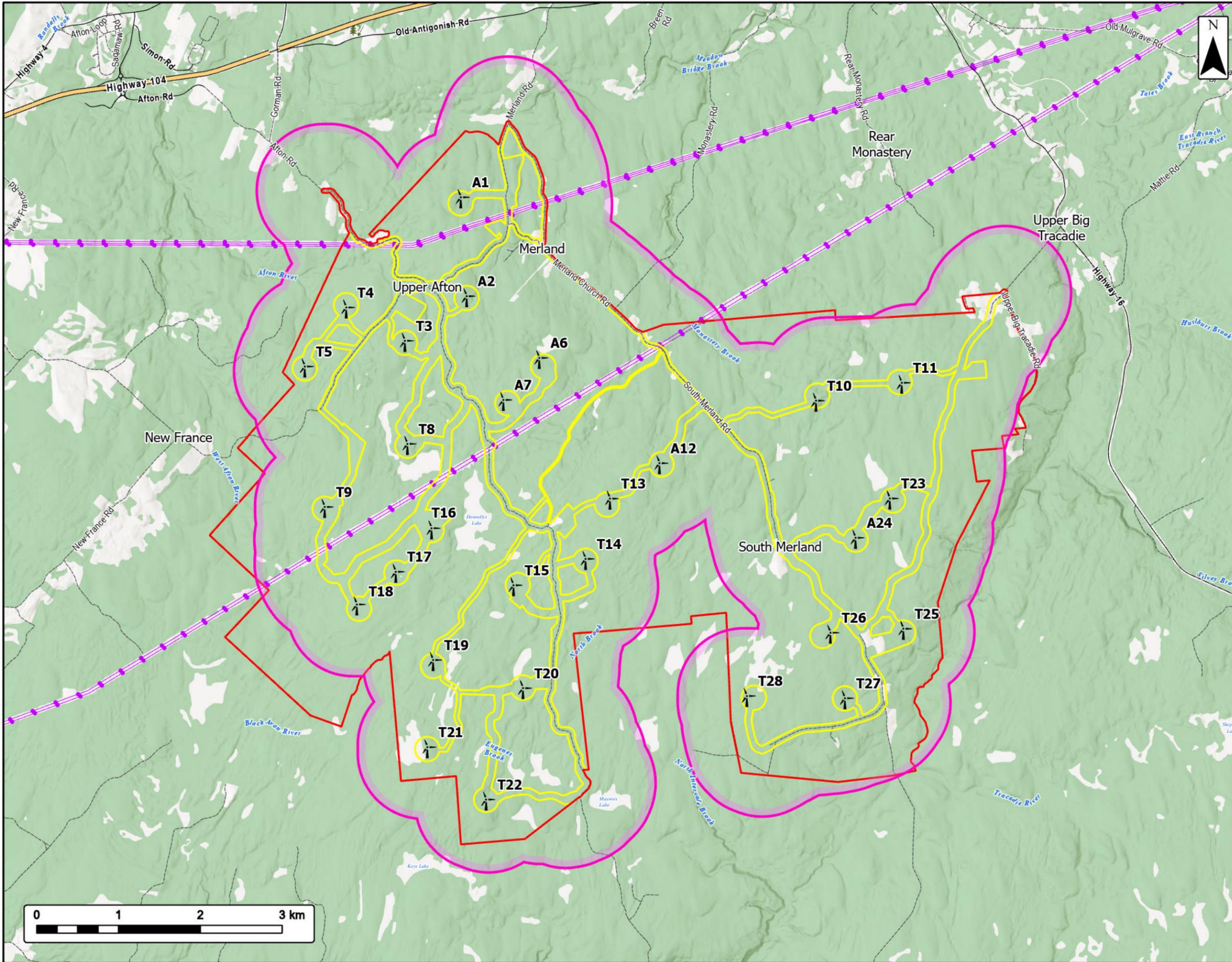
- Study Area
- Assessment Area
- 800 m Project Footprint Buffer
- 2 km Study Area Buffer
- Proposed Turbine Location
- Drilled Well
- Dug Well
- Transportation**
- Trans-Canada Highway
- Road
- Unpaved Road
- Utilities (Line)**
- Existing Transmission Lines
- Water Features**
- Mapped Watercourses
- Mapped Lakes and Rivers
- Mapped Wetlands



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Date: 2026-02-24	Project #: 24-11145
Scale: 1:50,000	Drawing #: 8.8
Drawn By: K. Wallace	
Checked By: M. Smith	





Upper Afton Wind Project

Geophysical LAA



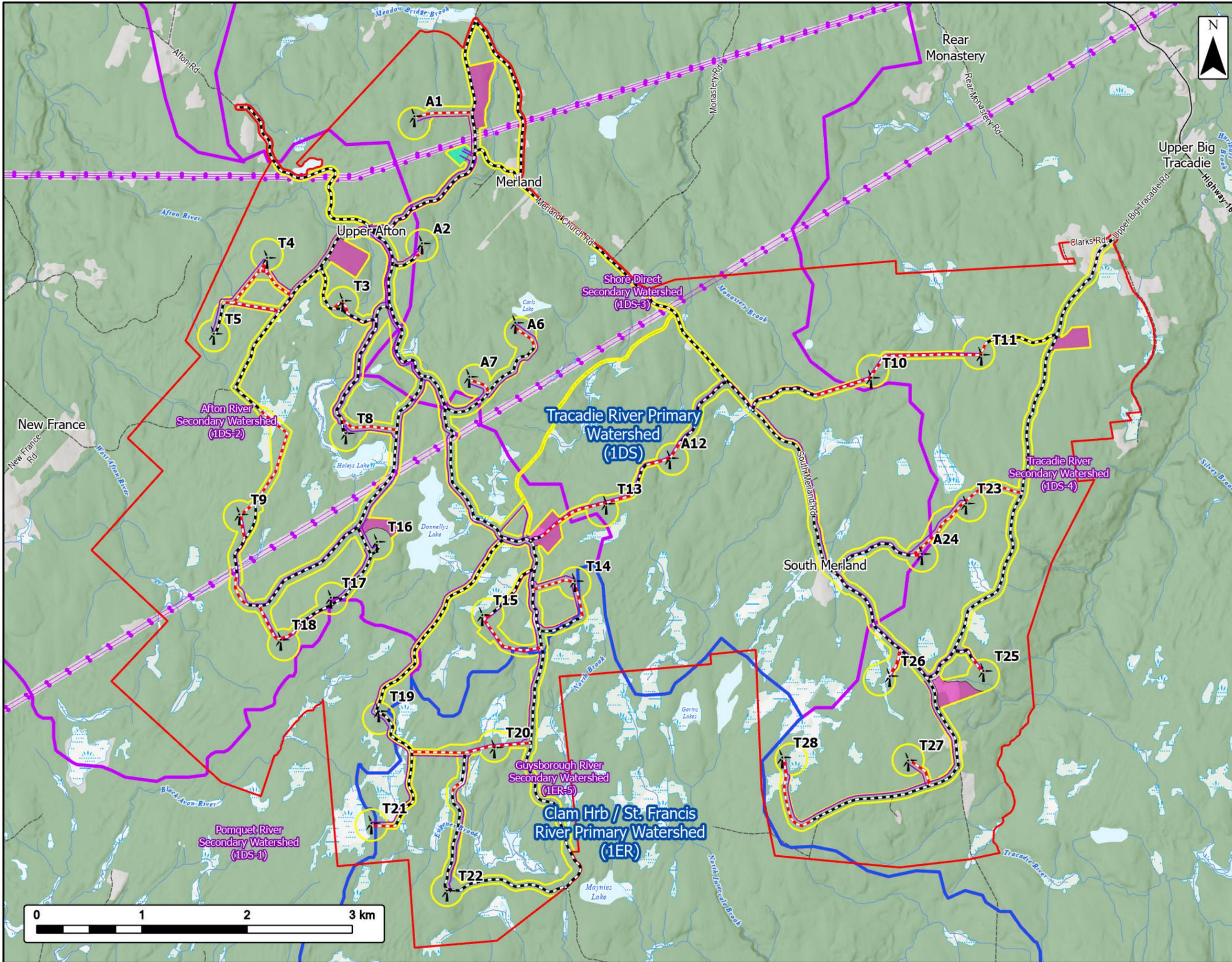
- Study Area
- Assessment Area
- Geophysical Local Assessment Area (LAA)
- Proposed Turbine Location
- Transportation**
- Trans-Canada Highway
- Road
- Unpaved Road
- Utilities (Line)**
- Existing Transmission Lines
- Water Features**
- Mapped Watercourses
- Mapped Lakes and Rivers
- Mapped Wetlands



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Date: 2026-02-24	Project #: 24-11145
Scale: 1:45,000	<h1>8.9</h1>
Drawn By: K. Wallace	
Checked By: M. Smith	





Upper Afton Wind Project
 Desktop Freshwater Aquatic Environment



Study Area		Transportation	
Assessment Area		Road	
Proposed Turbine Location		Unpaved Road	
Existing Road		Utilities (Line)	
Proposed New Road		Existing Transmission Lines	
Collector Line		Water Features	
Laydown Area		Mapped Watercourses	
Substation		Mapped Lakes and Rivers	
Primary Watershed Boundary		Mapped Wetlands	
Secondary Watershed Boundary			



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Date:	2026-02-24	Project #:	24-11145
Scale:	1:35,000	Drawing #:	9.1
Drawn By:	K. Wallace		
Checked By:	M. Smith		

