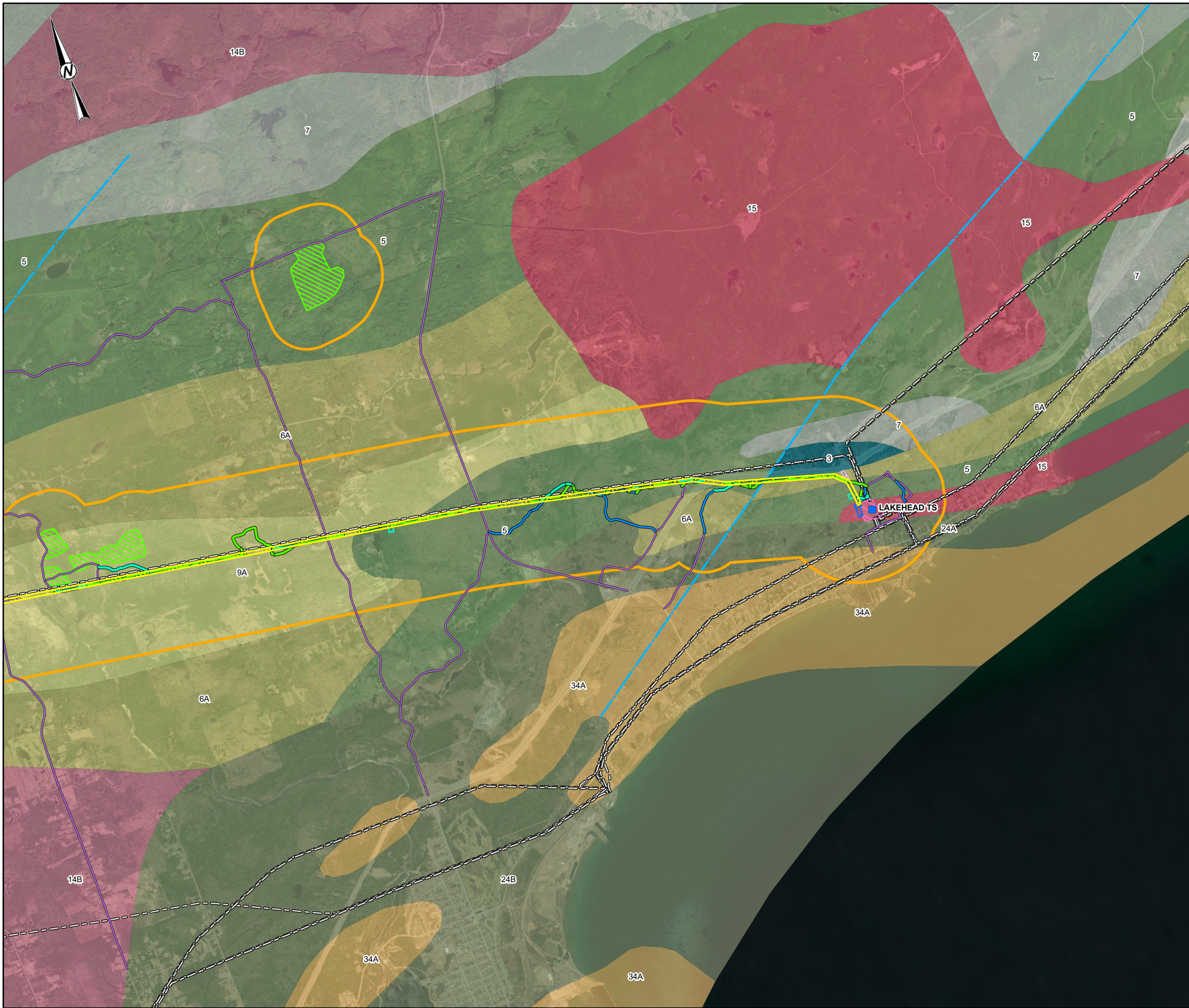


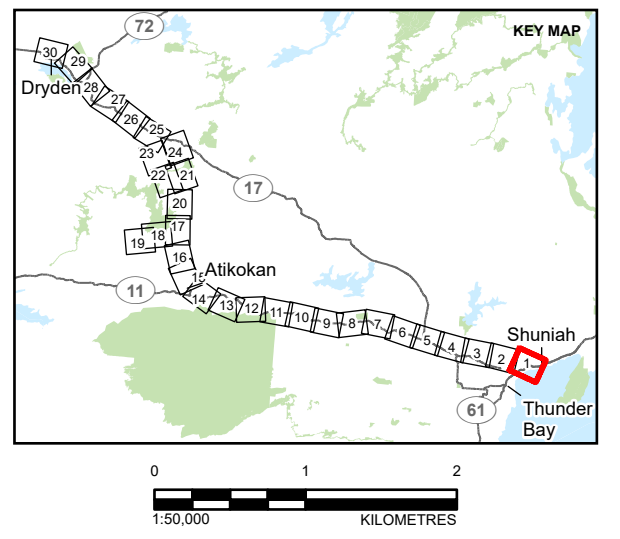
APPENDIX 6.1-A

Bedrock Geology





LEGEND	
	230 kV TRANSFORMER STATION (TS)
	EXISTING TRANSMISSION LINE
	EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
	EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
	NEW ACCESS ROAD - PREFERRED
	NEW ACCESS ROAD - ALTERNATE
	PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
	TRANSFORMER STATION FENCELINE - EXISTING
	TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
	TEMPORARY LAYDOWN AREA (PULL SITE)
	HELICOPTER PAD
	FLY YARD
	LOCAL STUDY AREA
	FAULT
	34A LOGAN AND NIPIGON MAFIC SILLS (CIRCA 1100-1115 MA)
	24A ROVE FORMATION: ARGILLITE, SHALE, WACKE, MINOR VOLCANIC ROCKS
	24B GUNFLINT FORMATION: CONGLOMERATE, TACONITE, ALGAL CHERT, CHERT, CARBONATE ROCKS, ARGILLITE-TUFF
	15 MASSIVE GRANODIORITE TO GRANITE
	14B GRANODIORITE, GRANITE
	9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
	7 METASEDIMENTARY ROCKS
	6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
	5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS
	3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS



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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
 HYDRO ONE NETWORKS INC.

PROJECT
 WAASIGAN TRANSMISSION LINE

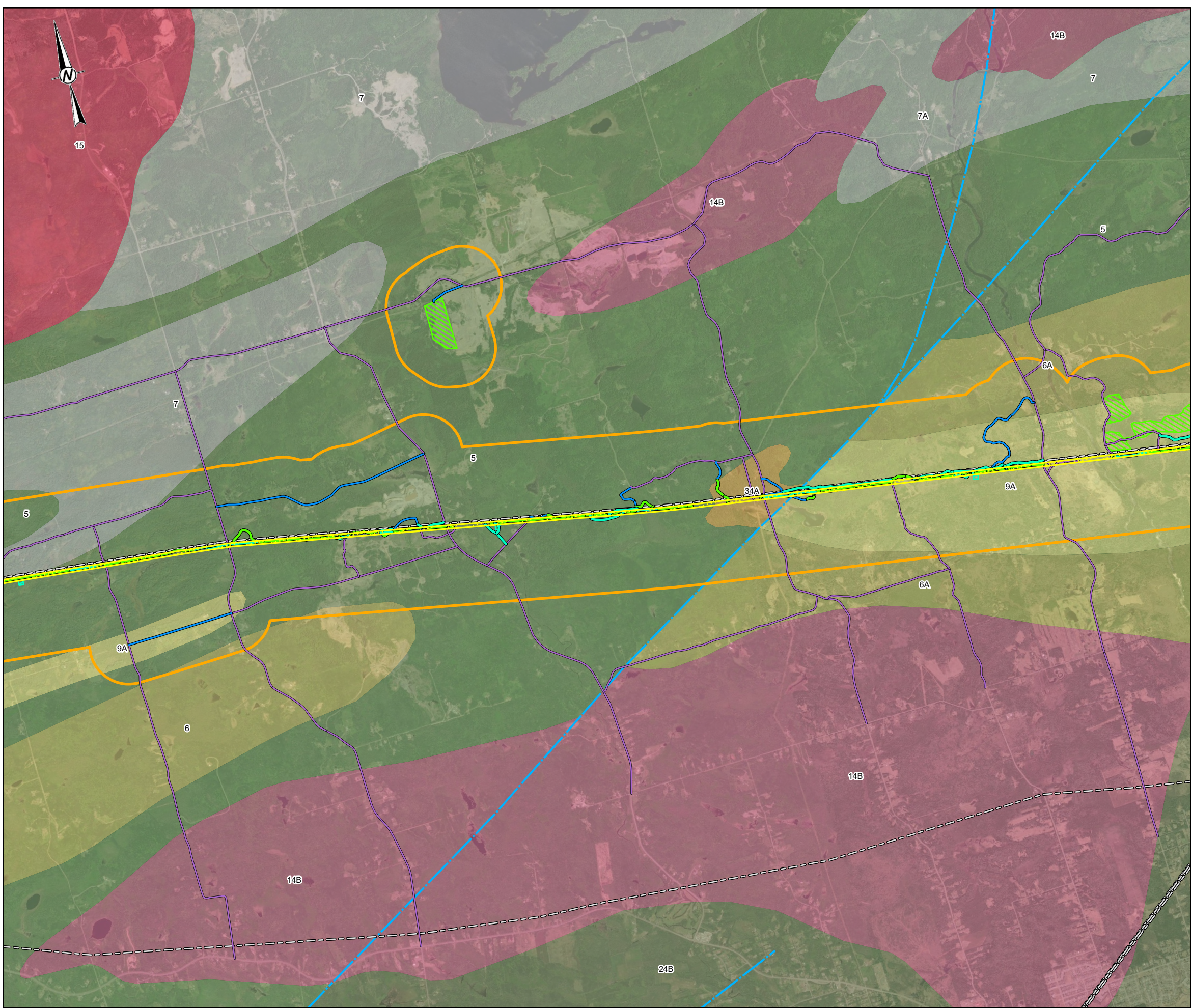
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APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 1

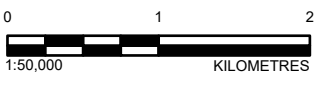
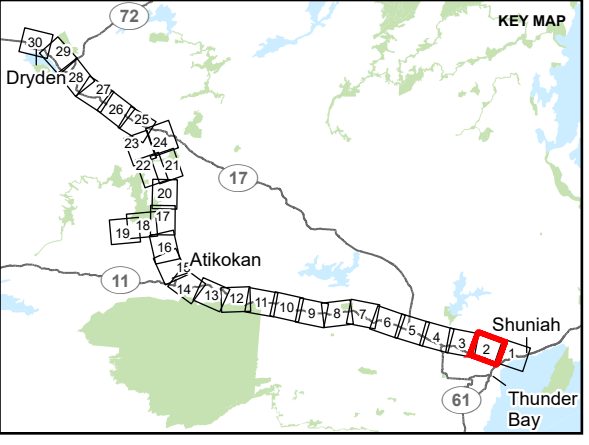
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

EXISTING TRANSMISSION LINE	FAULT
EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED	34A LOGAN AND NIPIGON MAFIC SILLS (CIRCA 1100-1115 MA)
EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS	24B GUNFLINT FORMATION: CONGLOMERATE, TACONITE, ALGAL CHERT, CHERT, CARBONATE ROCKS, ARGILLITE-TUFF
NEW ACCESS ROAD - PREFERRED	15 MASSIVE GRANODIORITE TO GRANITE
NEW ACCESS ROAD - ALTERNATE	14B GRANODIORITE, GRANITE
PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY	9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
HELICOPTER PAD	7 METASEDIMENTARY ROCKS
FLY YARD	7A WACKE, SILTSTONE, ARKOSE
LOCAL STUDY AREA	6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
	6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
	5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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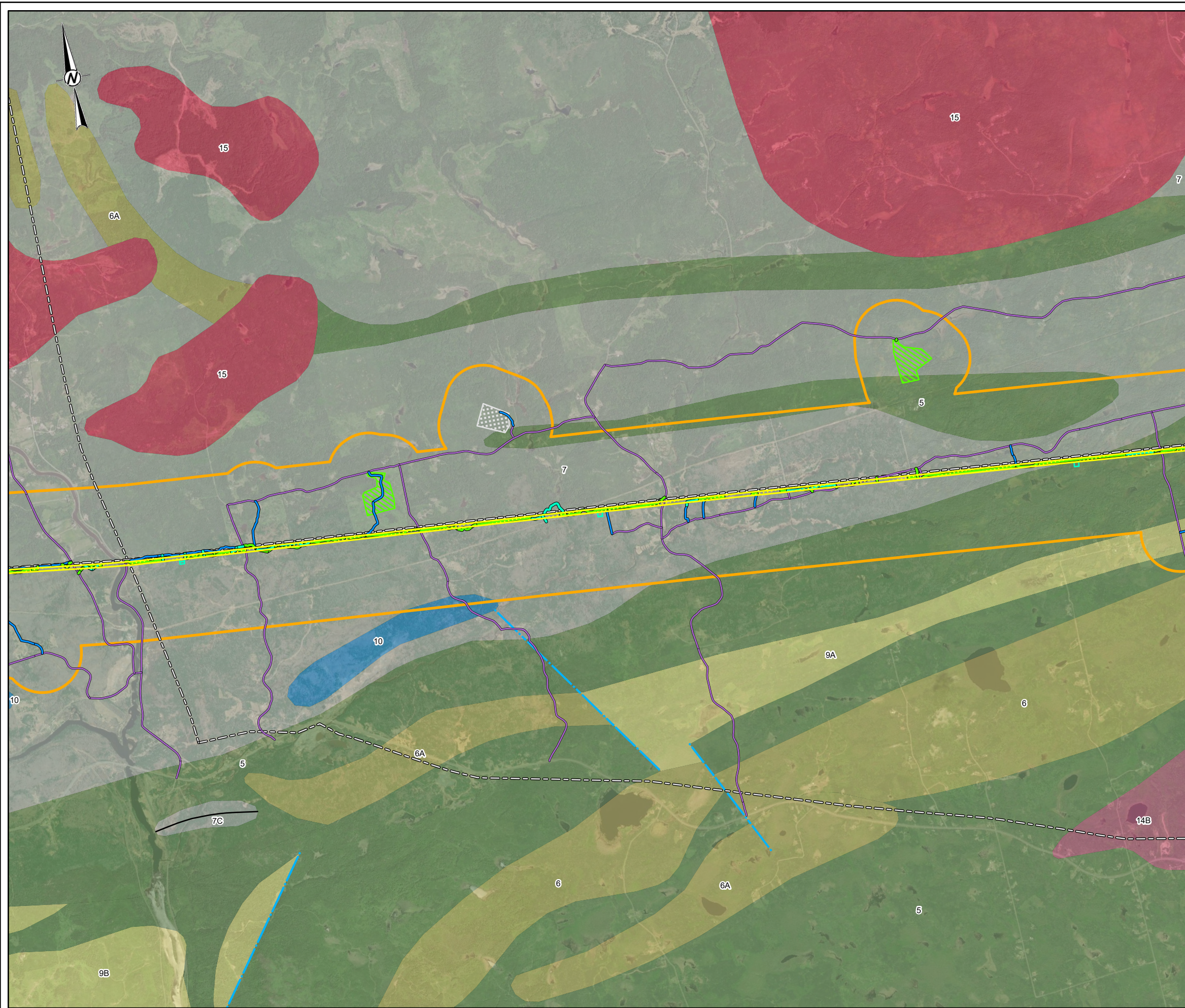
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

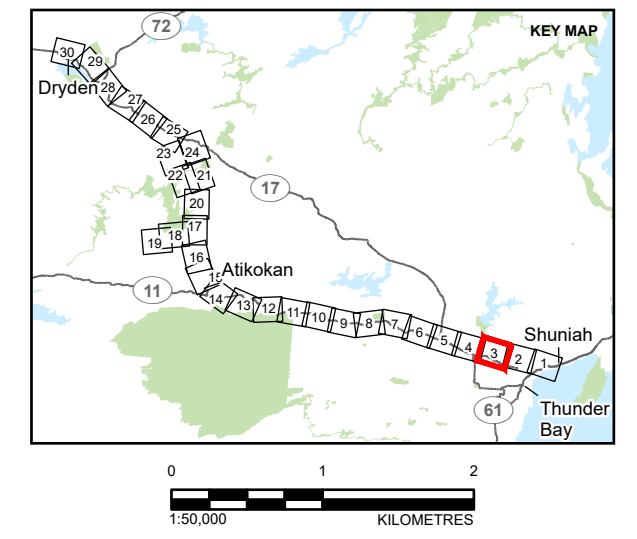
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LEGEND

	EXISTING TRANSMISSION LINE		IRON FORMATION
	EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED		FAULT
	EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS		15 MASSIVE GRANODIORITE TO GRANITE
	NEW ACCESS ROAD - PREFERRED		14B GRANODIORITE, GRANITE
	NEW ACCESS ROAD - ALTERNATE		10 MAFIC AND ULTRAMAFIC ROCKS
	PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY		9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
	AGGREGATE SITE		9B ALKALINE METAVOLCANIC ROCKS: MAFIC TO FELSIC METAVOLCANIC FLOWS, TUFFS AND BRECCIAS
	HELICOPTER PAD		7 METASEDIMENTARY ROCKS
	FLY YARD		7C MARBLE, CHERT, IRON FORMATION, MINOR METAVOLCANIC ROCKS
	LOCAL STUDY AREA		6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
			6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
			5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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PROJECT
 WAASIGAN TRANSMISSION LINE

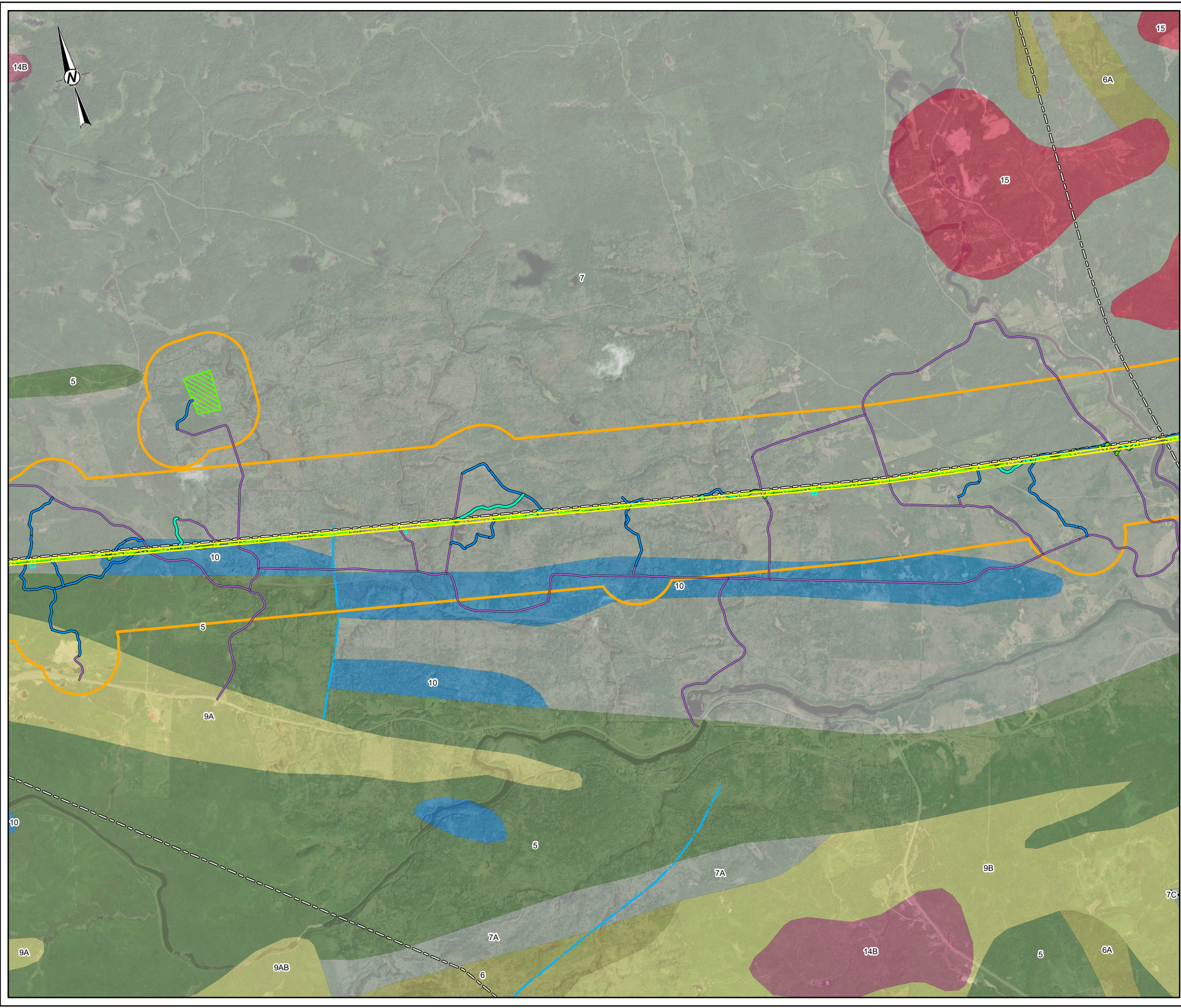
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APPENDIX 6.1-A BEDROCK GEOLOGY

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	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

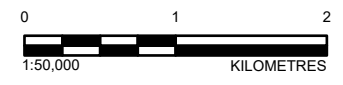
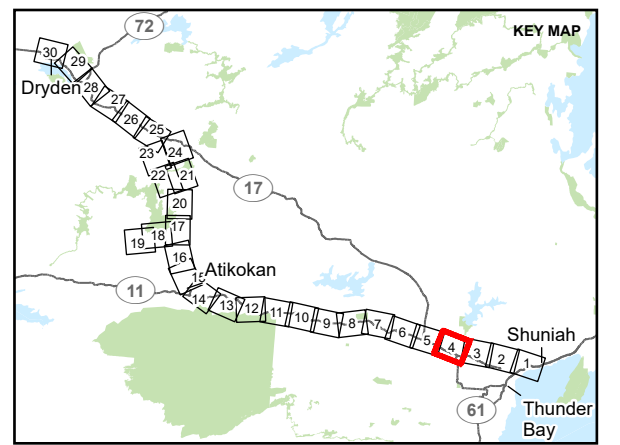
PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	3

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- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - IRON FORMATION
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14B GRANODIORITE, GRANITE
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
 - 9B ALKALINE METAVOLCANIC ROCKS: MAFIC TO FELSIC METAVOLCANIC FLOWS, TUFFS AND BRECCIAS
 - 7 METASEDIMENTARY ROCKS
 - 7A WACKE, SILTSTONE, ARKOSE
 - 7C MARBLE, CHERT, IRON FORMATION, MINOR METAVOLCANIC ROCKS
 - 6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

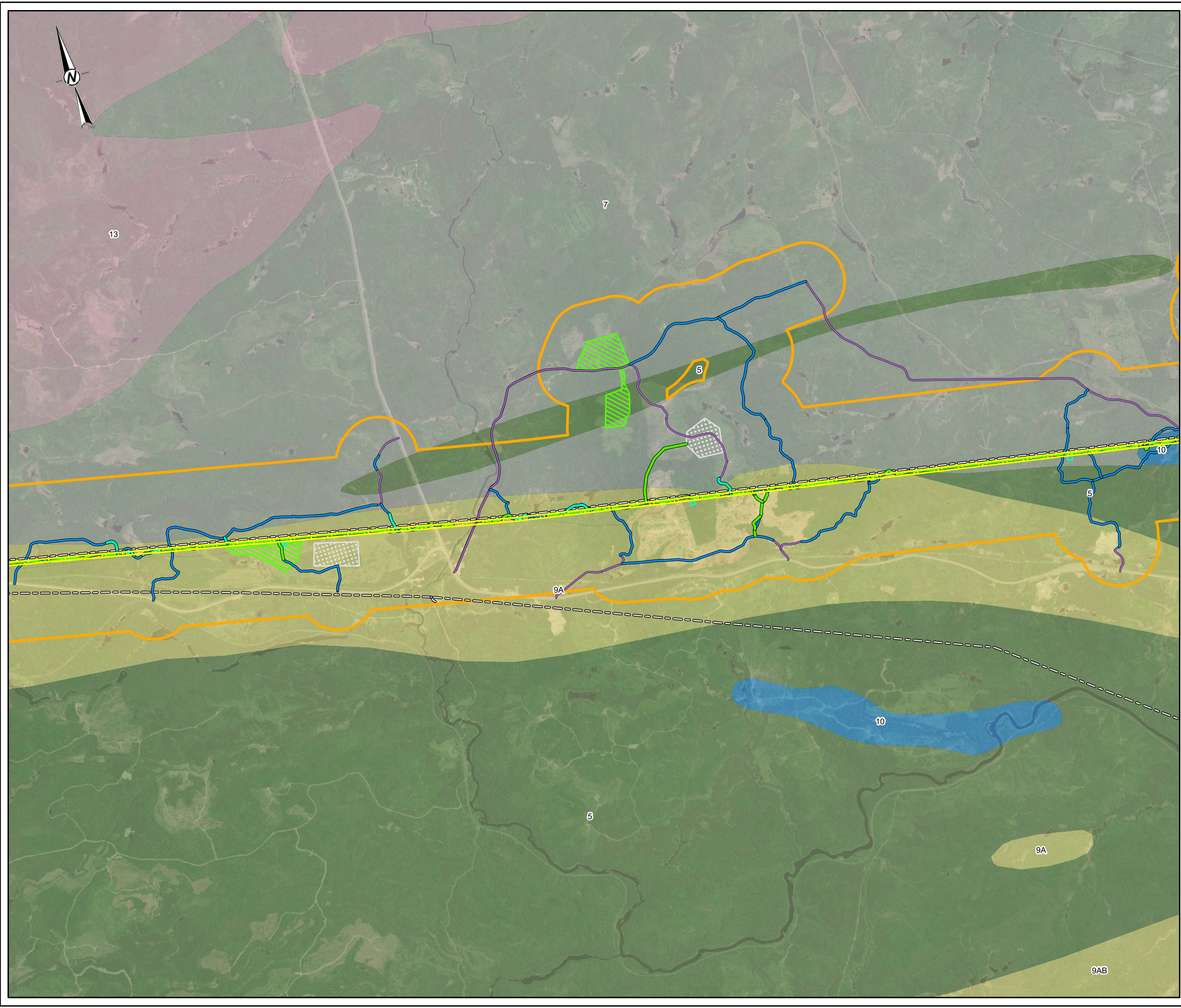
CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
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	APPROVED	CS



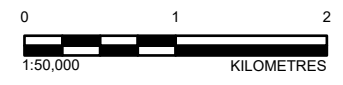
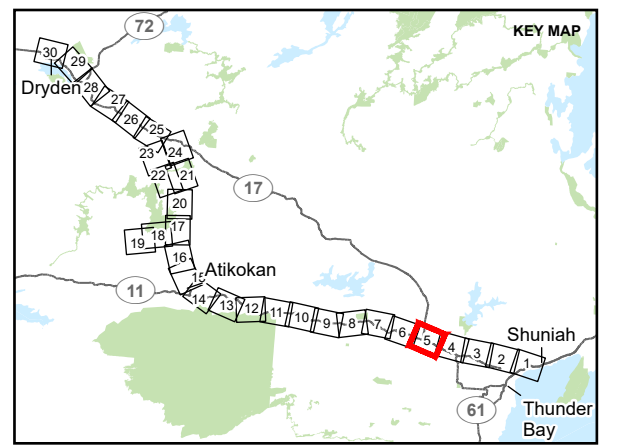
PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	4

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE
 - TRANSMISSION LINE RIGHT-OF-WAY
 - AGGREGATE SITE
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
 - 7 METASEDIMENTARY ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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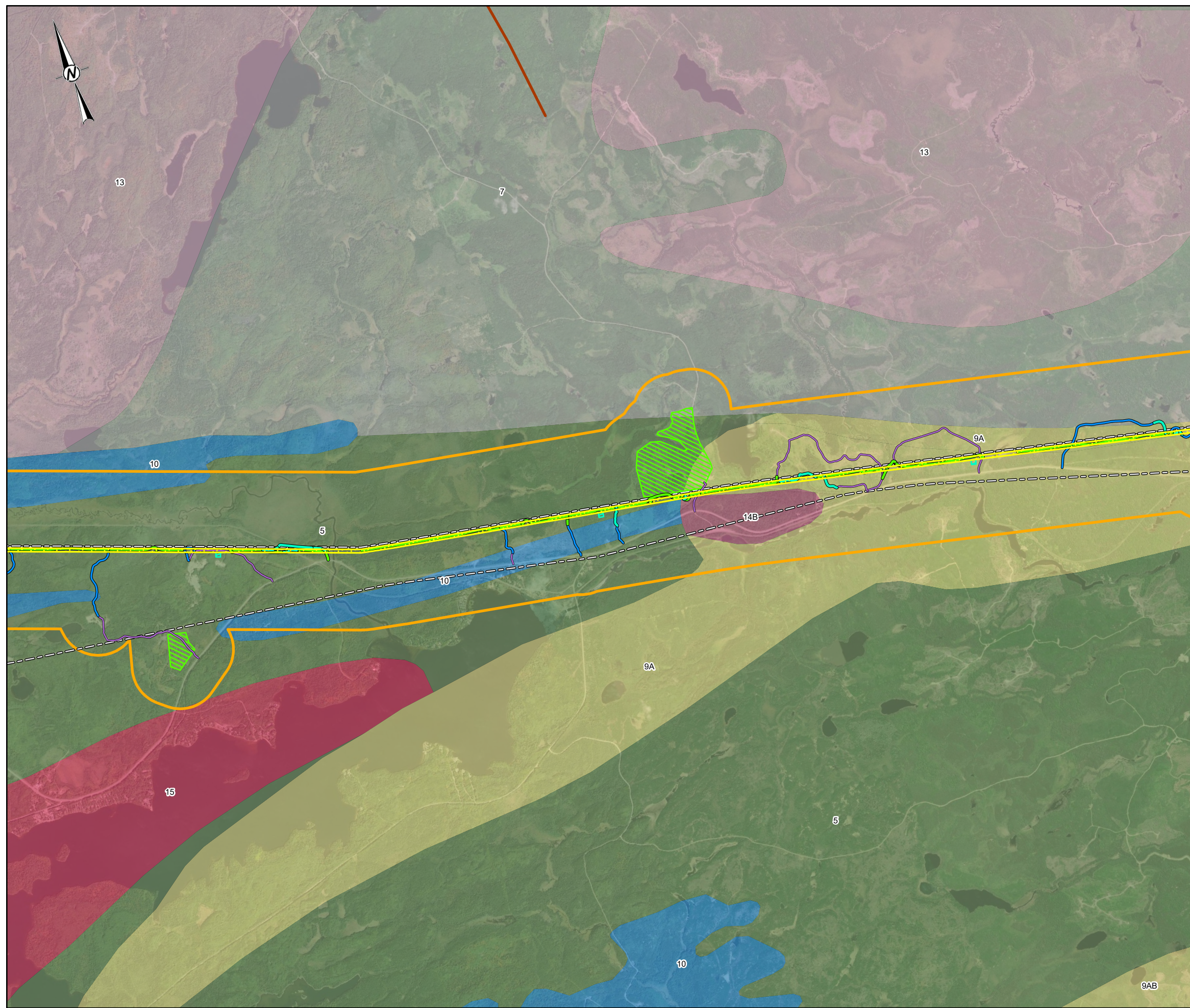
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TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

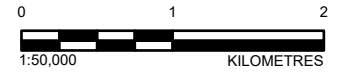
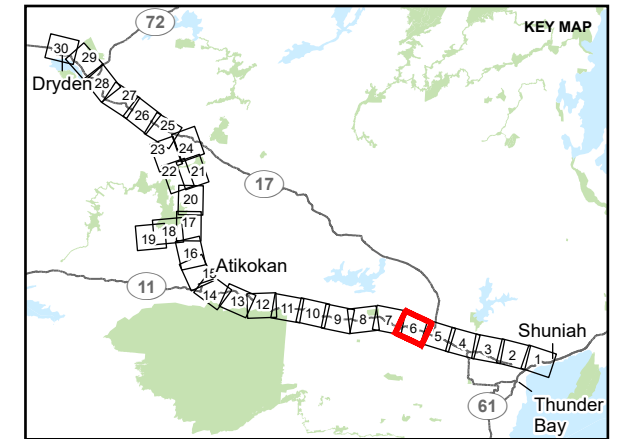
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	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - - - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE
 - TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - MAFIC SILLS AND DIKES
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14B GRANODIORITE, GRANITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
 - 7 METASEDIMENTARY ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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CLIENT

HYDRO ONE NETWORKS INC.

PROJECT

WAASIGAN TRANSMISSION LINE

TITLE

APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT



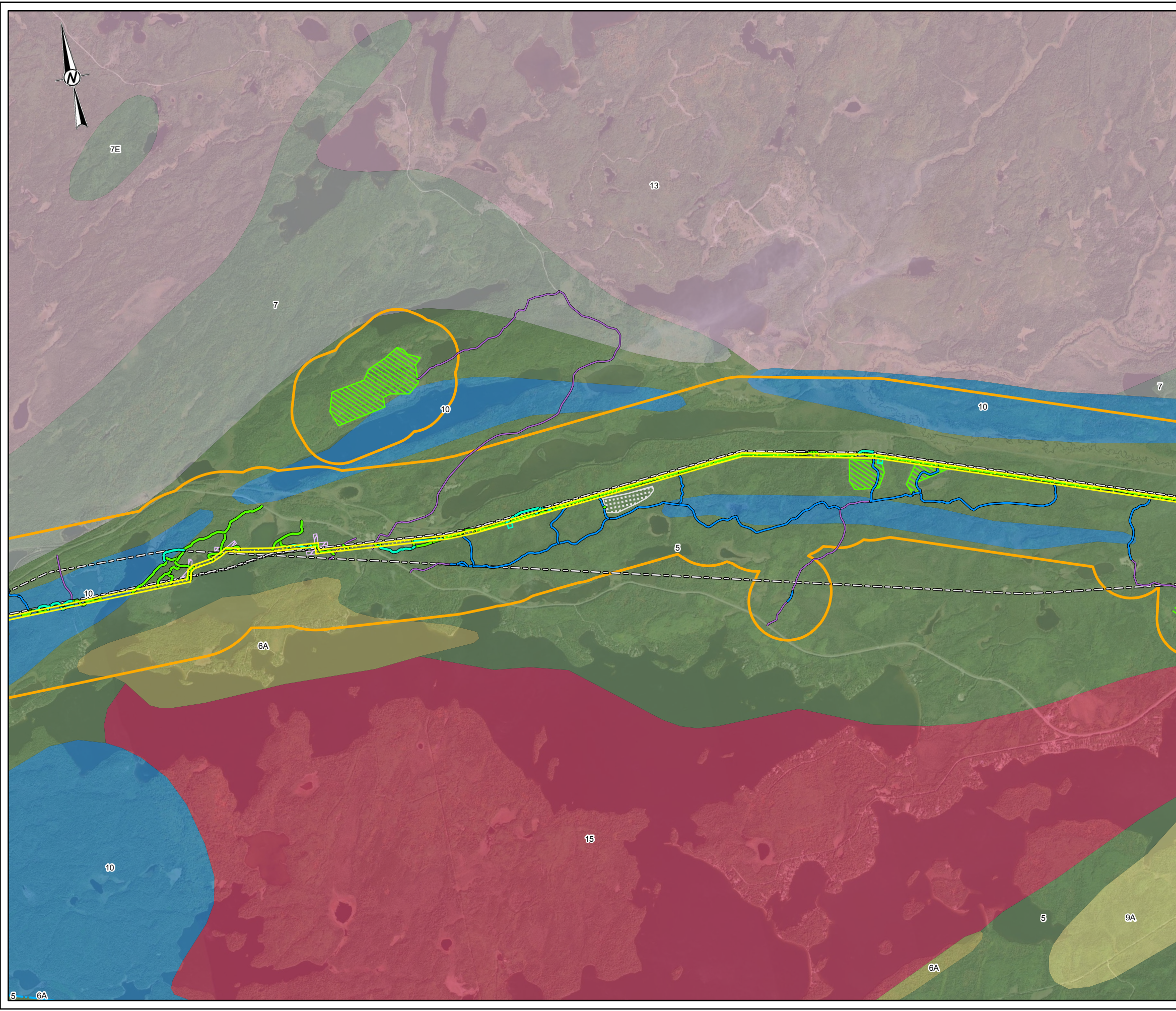
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DESIGNED	MB
PREPARED	JR/DB
REVIEWED	HK
APPROVED	CS

PROJECT NO.
20137728

CONTROL
0035

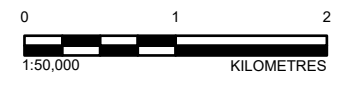
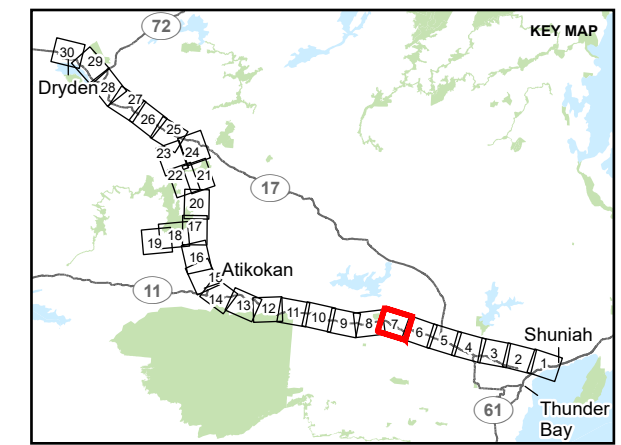
REV.
1

FIGURE
6



LEGEND

	EXISTING TRANSMISSION LINE		FAULT
	EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED		15 MASSIVE GRANODIORITE TO GRANITE
	EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS		13 MUSCOVITE-BEARING GRANITIC ROCKS
	NEW ACCESS ROAD - PREFERRED		10 MAFIC AND ULTRAMAFIC ROCKS
	NEW ACCESS ROAD - ALTERNATE		9A METASEDIMENTARY ROCKS: CONGLOMERATE, ARKOSE, ARENITE, WACKE, SANDSTONE, SILTSTONE, ARGILLITE
	PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY		7 METASEDIMENTARY ROCKS
	TEMPORARY LAYDOWN AREA (PULL SITE)		7E PARAGNEISS AND MIGMATITES
	AGGREGATE SITE		6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
	HELICOPTER PAD		5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS
	FLY YARD		
	LOCAL STUDY AREA		



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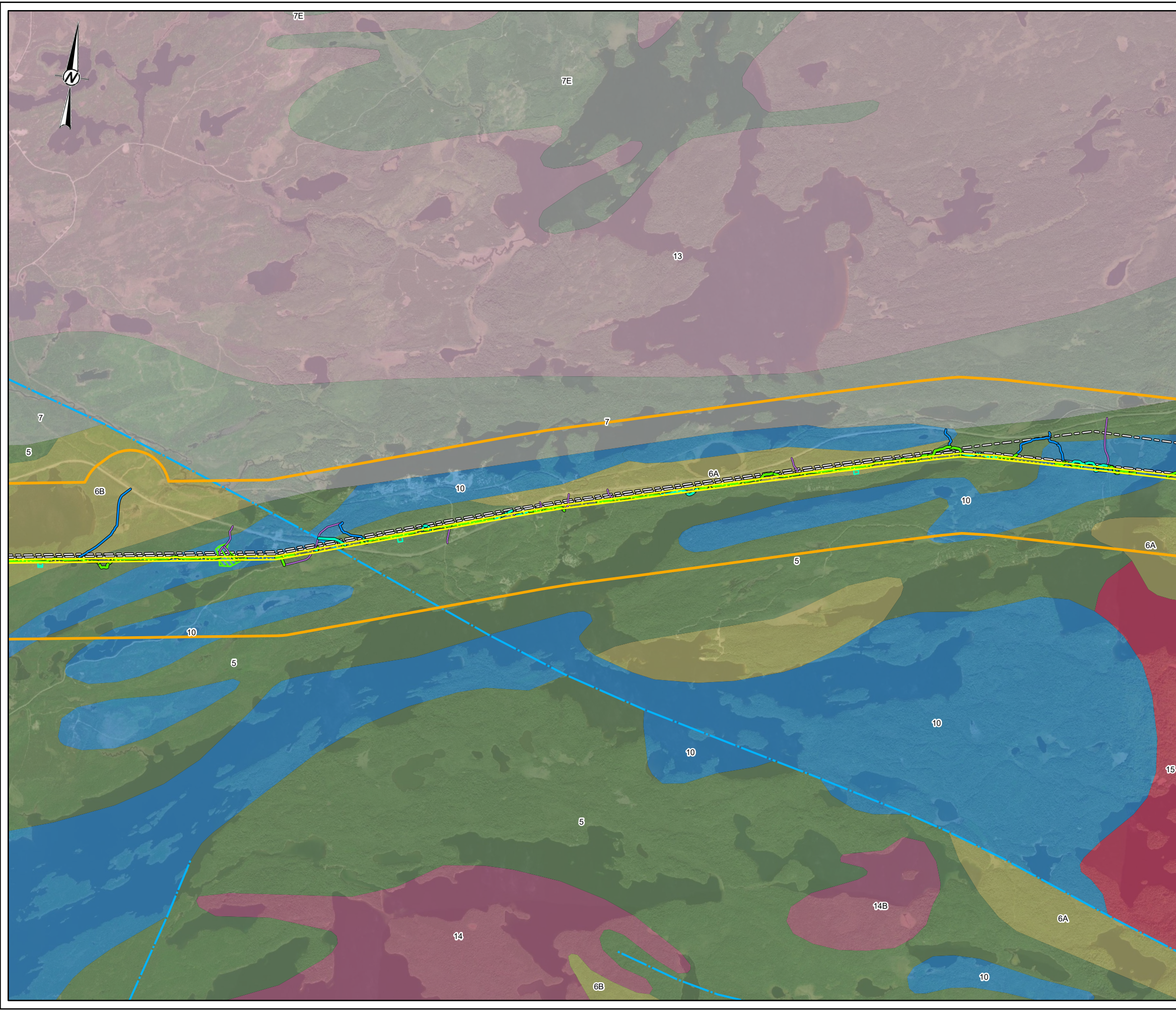
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

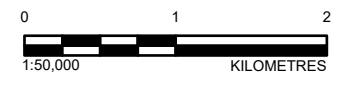
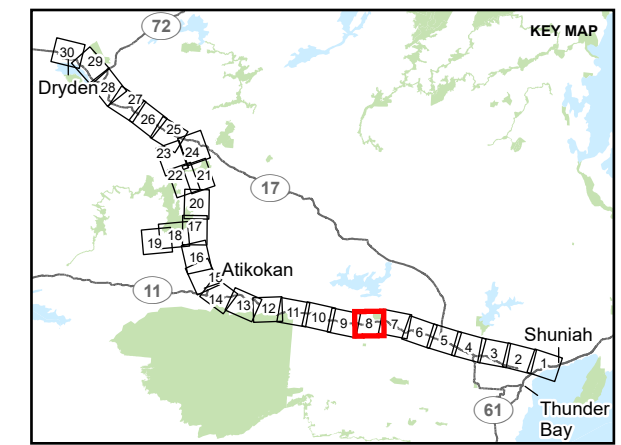
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	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
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- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 14B GRANODIORITE, GRANITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 7E PARAGNEISS AND MIGMATITES
 - 6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
 - 6B RHYOLITIC, RHYODACITIC FLOWS, TUFFS AND BRECCIAS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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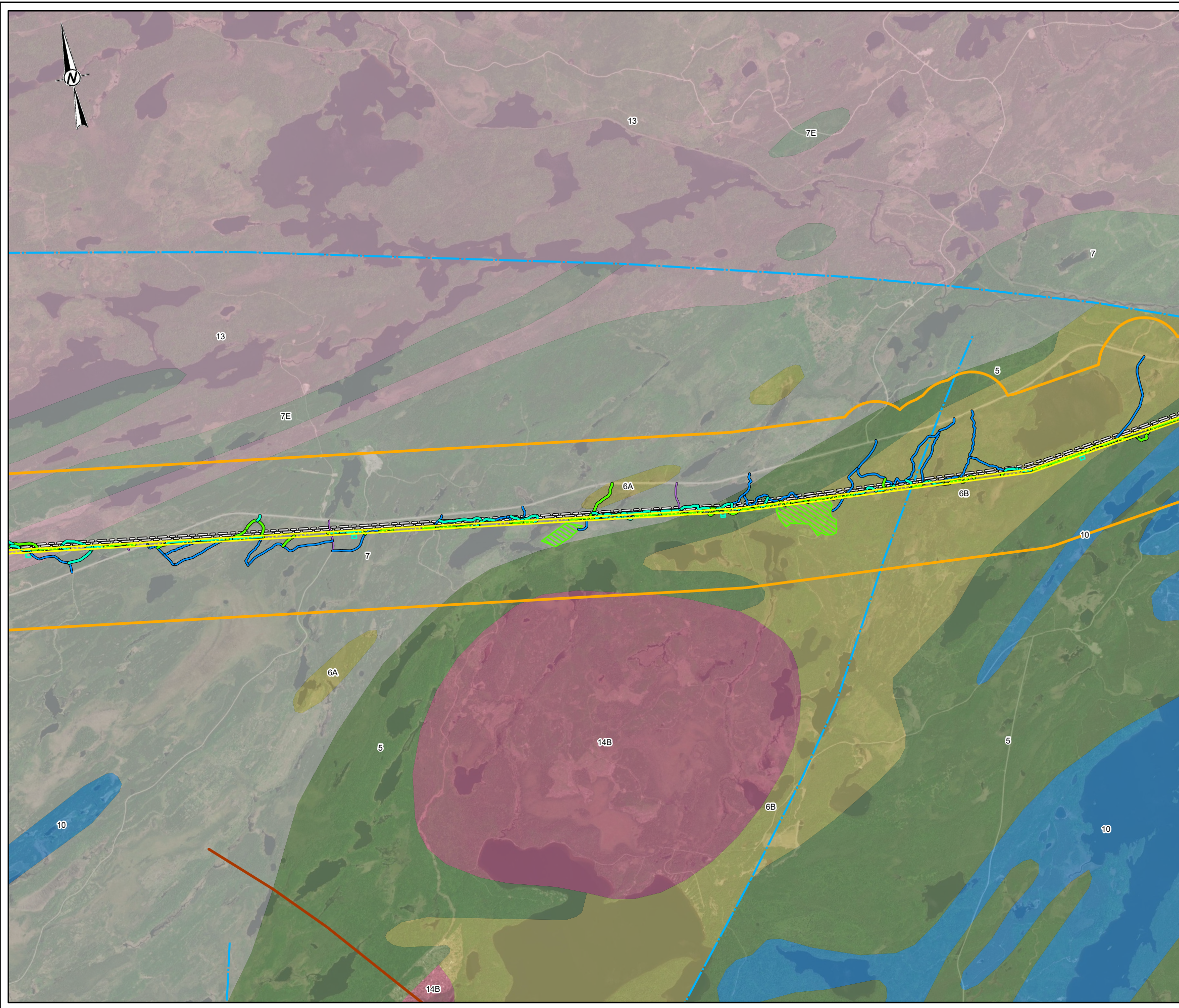
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

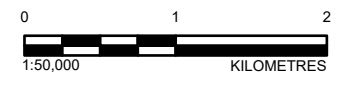
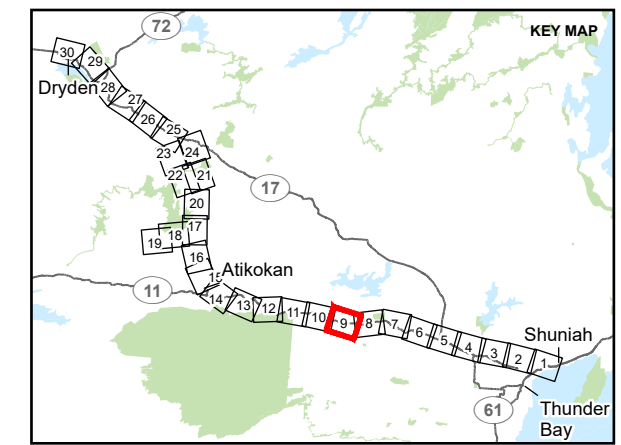
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	REVIEWED	HK
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LEGEND	
	EXISTING TRANSMISSION LINE
	EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
	EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
	NEW ACCESS ROAD - PREFERRED
	NEW ACCESS ROAD - ALTERNATE
	PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
	HELICOPTER PAD
	FLY YARD
	LOCAL STUDY AREA
	LOGAN AND NIPIGON MAFIC SILLS
	FAULT
	14B GRANODIORITE, GRANITE
	13 MUSCOVITE-BEARING GRANITIC ROCKS
	10 MAFIC AND ULTRAMAFIC ROCKS
	7 METASEDIMENTARY ROCKS
	7E PARAGNEISS AND MIGMATITES
	6A DACITIC AND ANDESITIC FLOWS, TUFFS AND BRECCIAS
	6B RHYOLITIC, RHYODACITIC FLOWS, TUFFS AND BRECCIAS
	5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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PROJECT
 WAASIGAN TRANSMISSION LINE

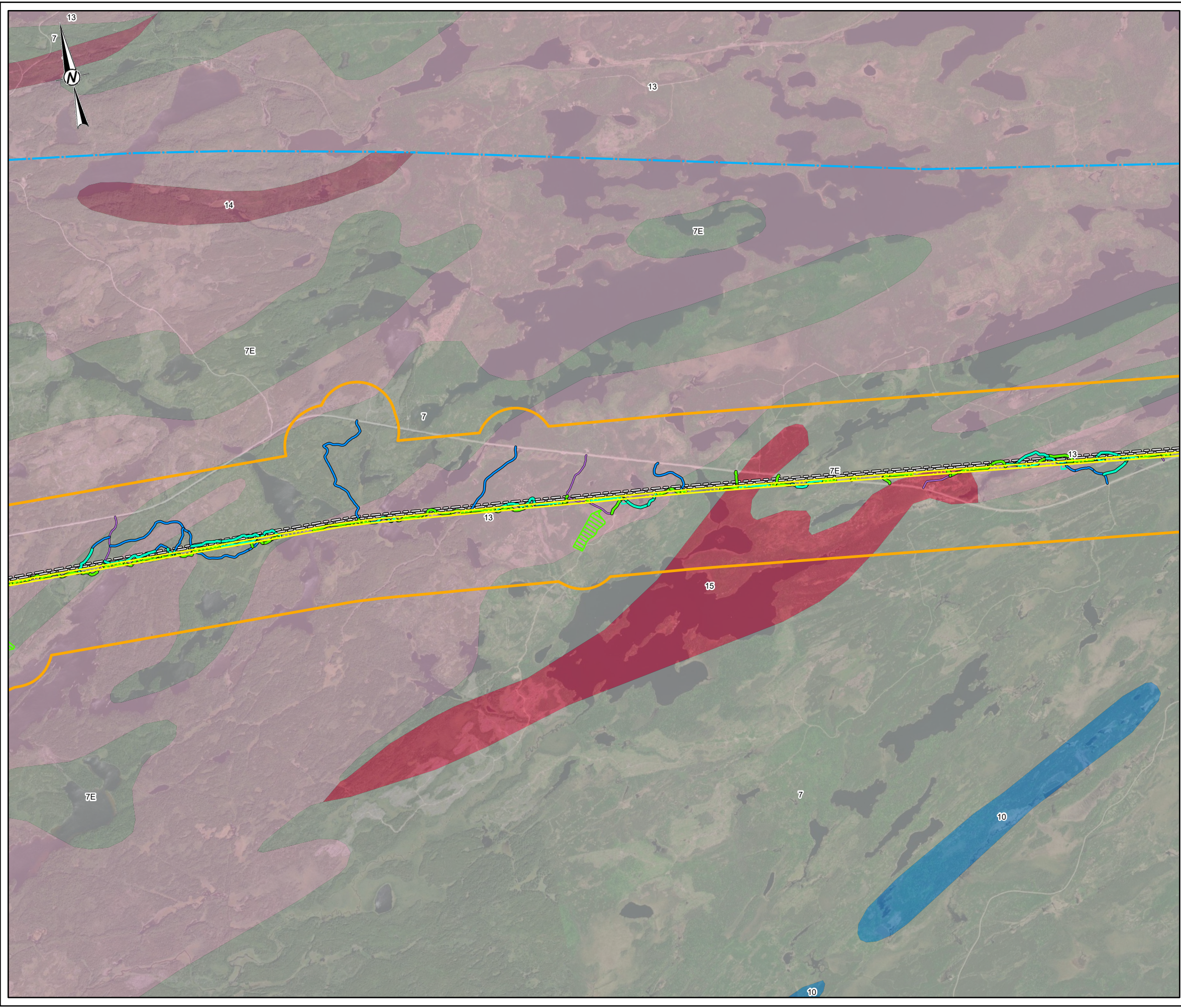
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APPENDIX 6.1-A BEDROCK GEOLOGY

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	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

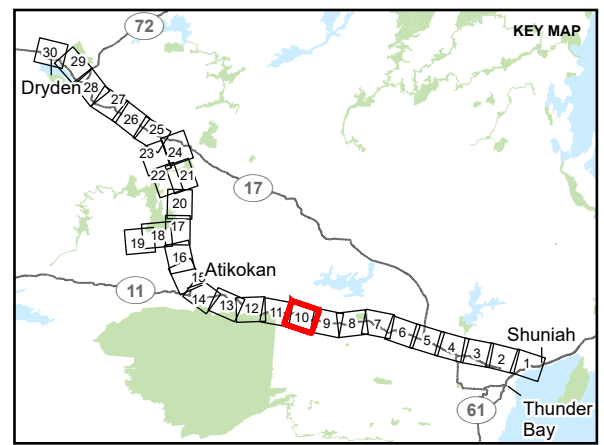
PROJECT NO.	CONTROL	REV.	FIGURE
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- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 7E PARAGNEISS AND MIGMATITES



NOTE(S)

REFERENCE(S)
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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
 HYDRO ONE NETWORKS INC.

PROJECT
 WAASIGAN TRANSMISSION LINE

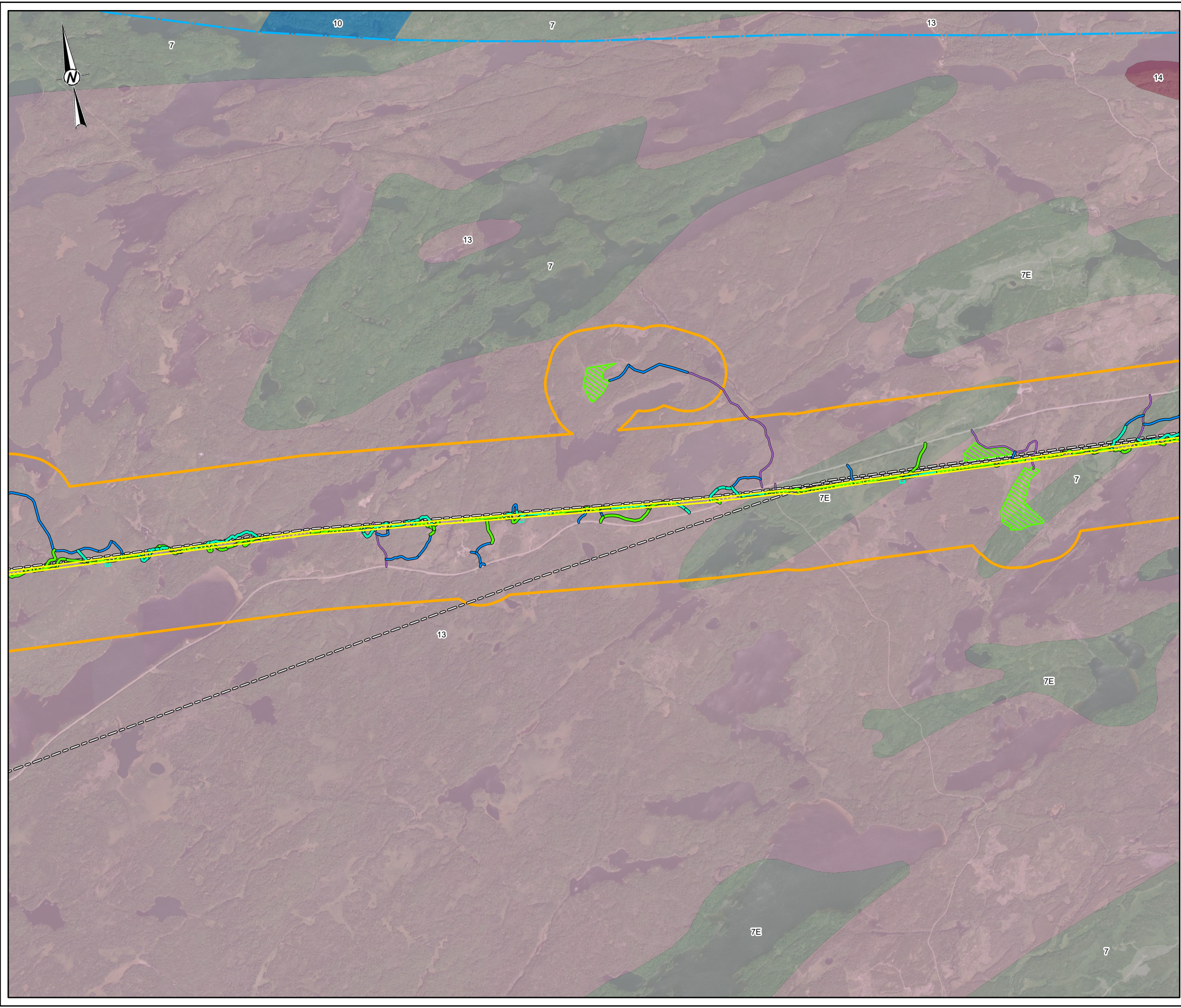
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 APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

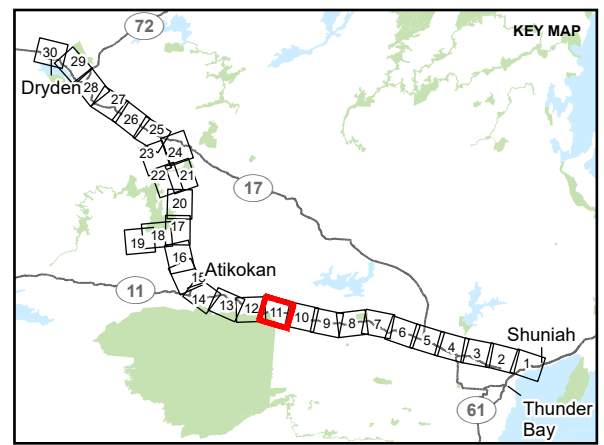
PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	10

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE
 - TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - FAULT
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 7E PARAGNEISS AND MIGMATITES



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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

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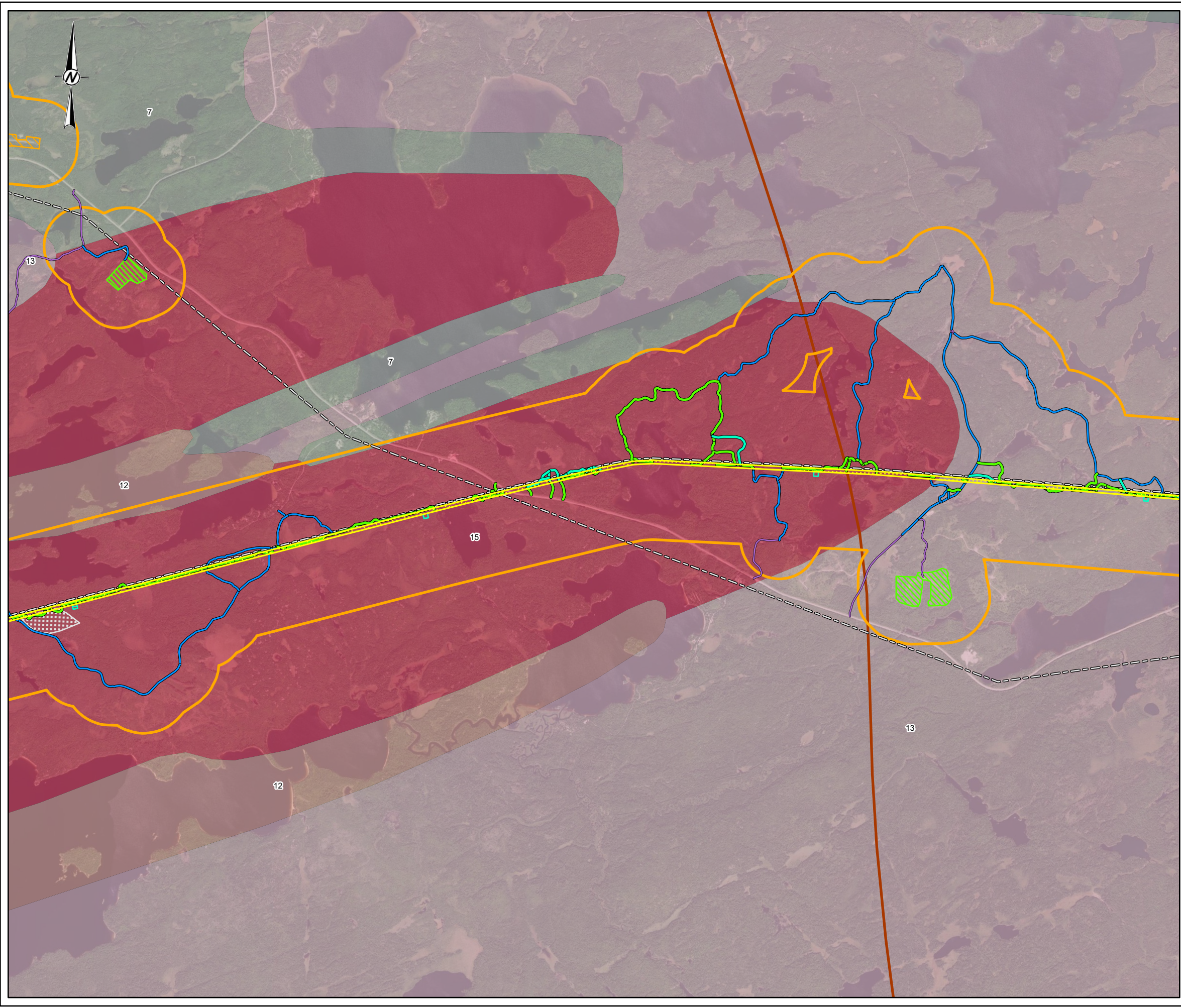
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

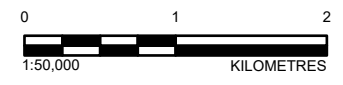
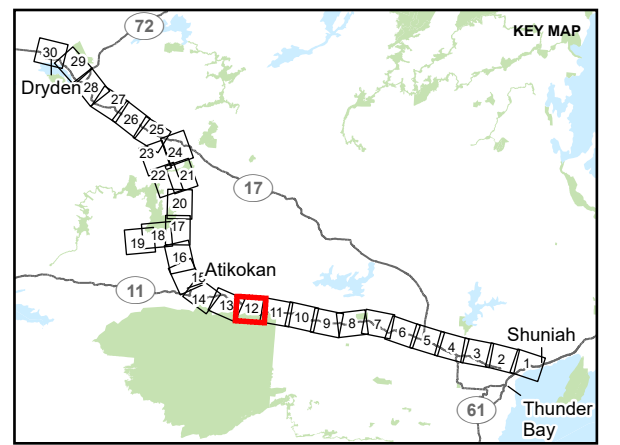
CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - AGGREGATE SITE
 - HELICOPTER PAD
 - FLY YARD
 - CAMP / LAYDOWN
 - LOCAL STUDY AREA
 - MAFIC SILLS AND DIKES
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 12 FOLIATED TONALITE SUITE
 - 7 METASEDIMENTARY ROCKS



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CLIENT
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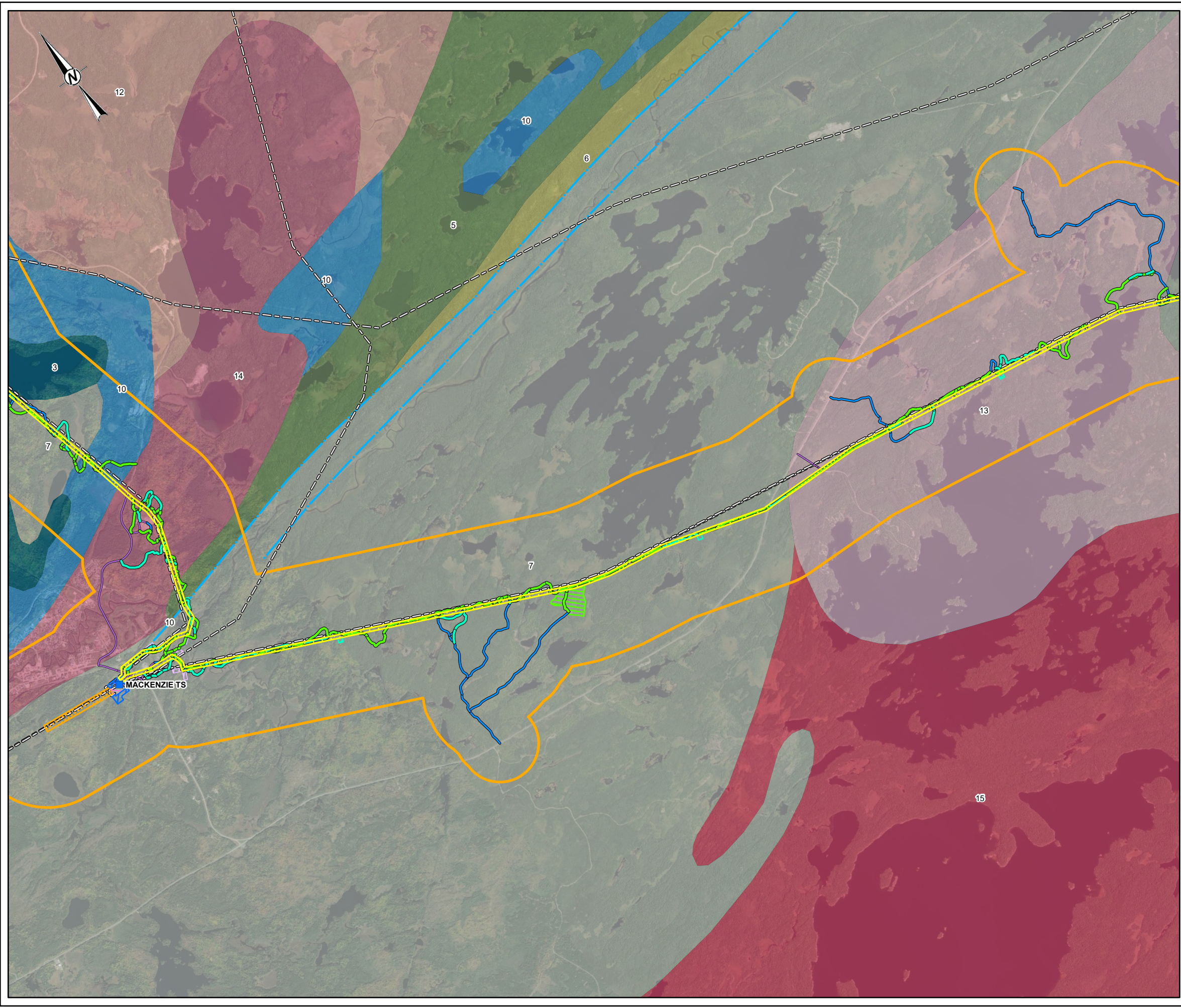
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

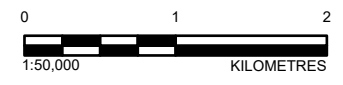
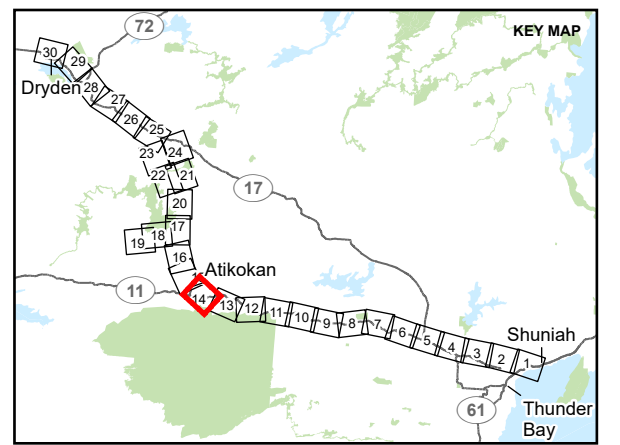
CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- 230 kV TRANSFORMER STATION (TS)
 - EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - TRANSFORMER STATION FENCELINE - EXISTING
 - TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
 - D26A / F25A CIRCUIT SEPARATION
 - TEMPORARY LAYDOWN AREA (PULL SITE)
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 12 FOLIATED TONALITE SUITE
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS



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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

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PROJECT
 WAASIGAN TRANSMISSION LINE

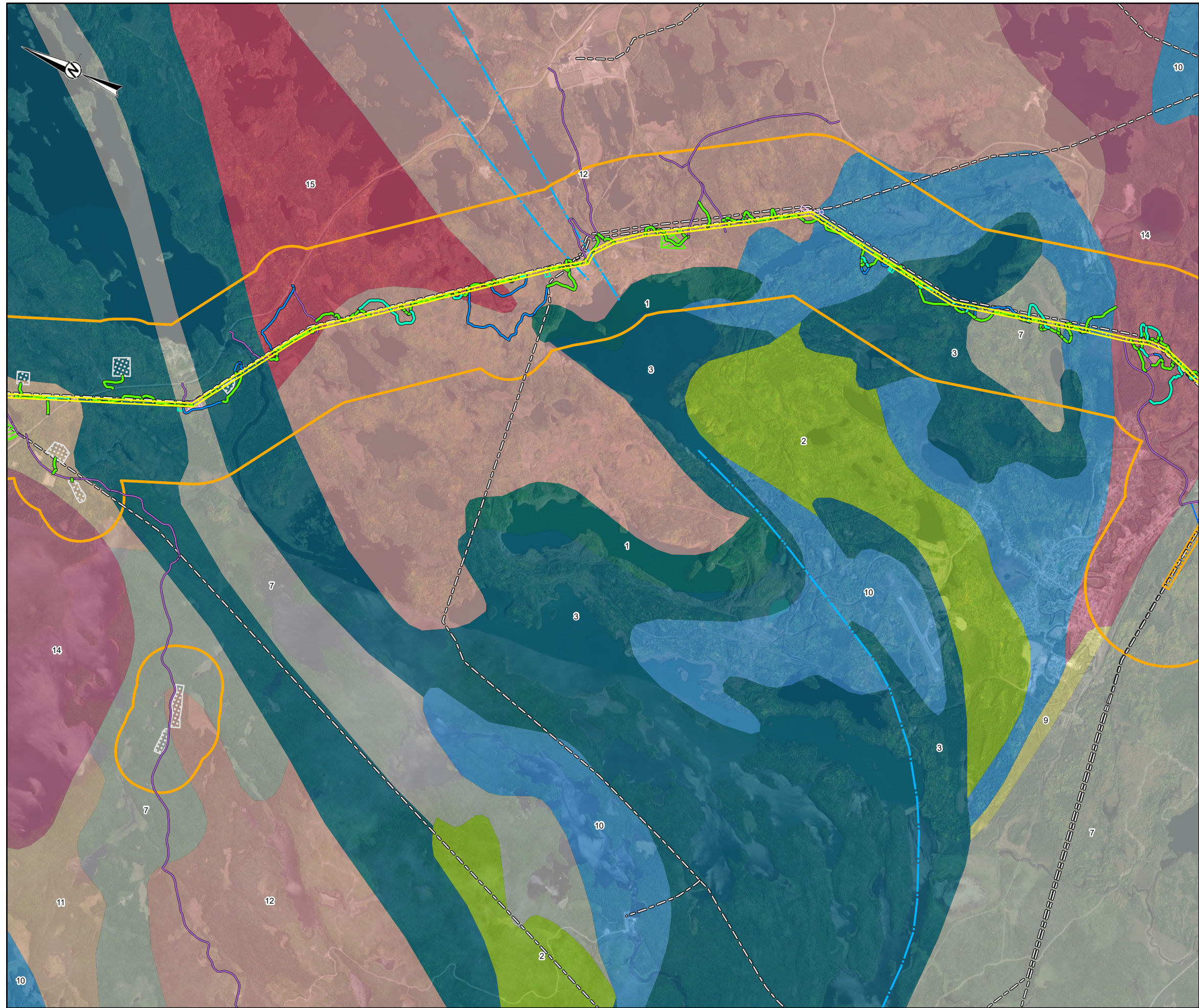
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APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

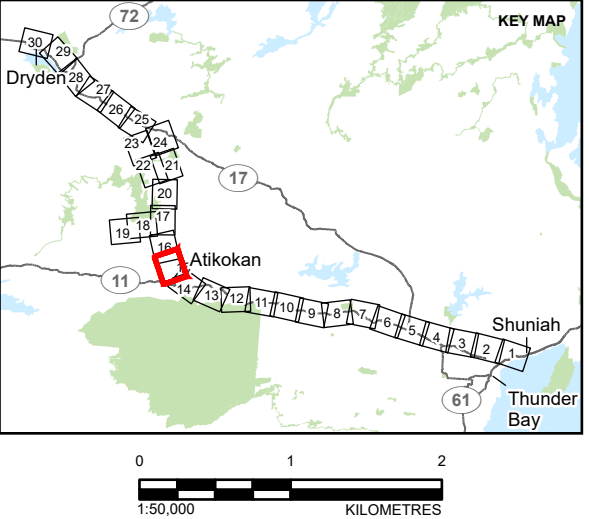
PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 14

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND	
	EXISTING TRANSMISSION LINE
	EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
	EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
	NEW ACCESS ROAD - PREFERRED
	NEW ACCESS ROAD - ALTERNATE
	PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
	D26A / F25A CIRCUIT SEPARATION
	TEMPORARY LAYDOWN AREA (PULL SITE)
	AGGREGATE SITE
	HELICOPTER PAD
	FLY YARD
	LOCAL STUDY AREA
	FAULT
	15 MASSIVE GRANODIORITE TO GRANITE
	14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
	12 FOLIATED TONALITE SUITE
	11 GNEISSIC TONALITE SUITE
	10 MAFIC AND ULTRAMAFIC ROCKS
	9 COARSE CLASTIC METASEDIMENTARY ROCKS
	7 METASEDIMENTARY ROCKS
	3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS
	2 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
	1 METASEDIMENTARY ROCKS AND MAFIC TO ULTRAMAFIC METAVOLCANIC ROCKS



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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

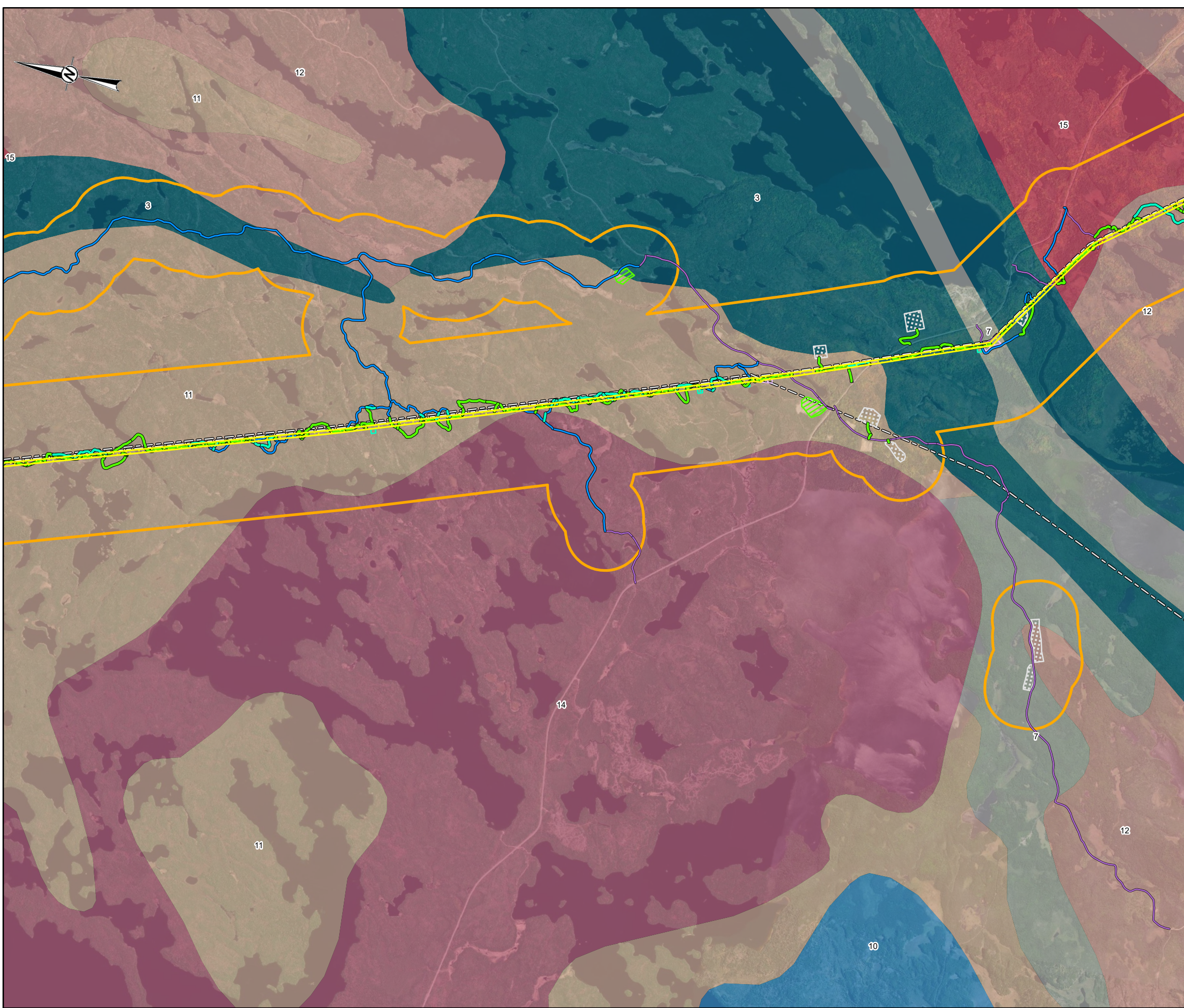
CLIENT
 HYDRO ONE NETWORKS INC.

PROJECT
 WAASIGAN TRANSMISSION LINE

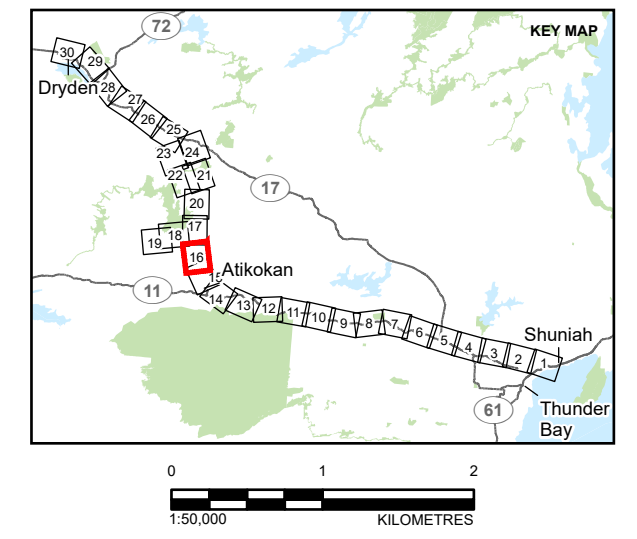
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APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 15



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - ▨ TEMPORARY LAYDOWN AREA (PULL SITE)
 - ▨ AGGREGATE SITE
 - ▨ HELICOPTER PAD
 - ▨ FLY YARD
 - ▭ LOCAL STUDY AREA
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 12 FOLIATED TONALITE SUITE
 - 11 GNEISSIC TONALITE SUITE
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS




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PROJECT
 WAASIGAN TRANSMISSION LINE

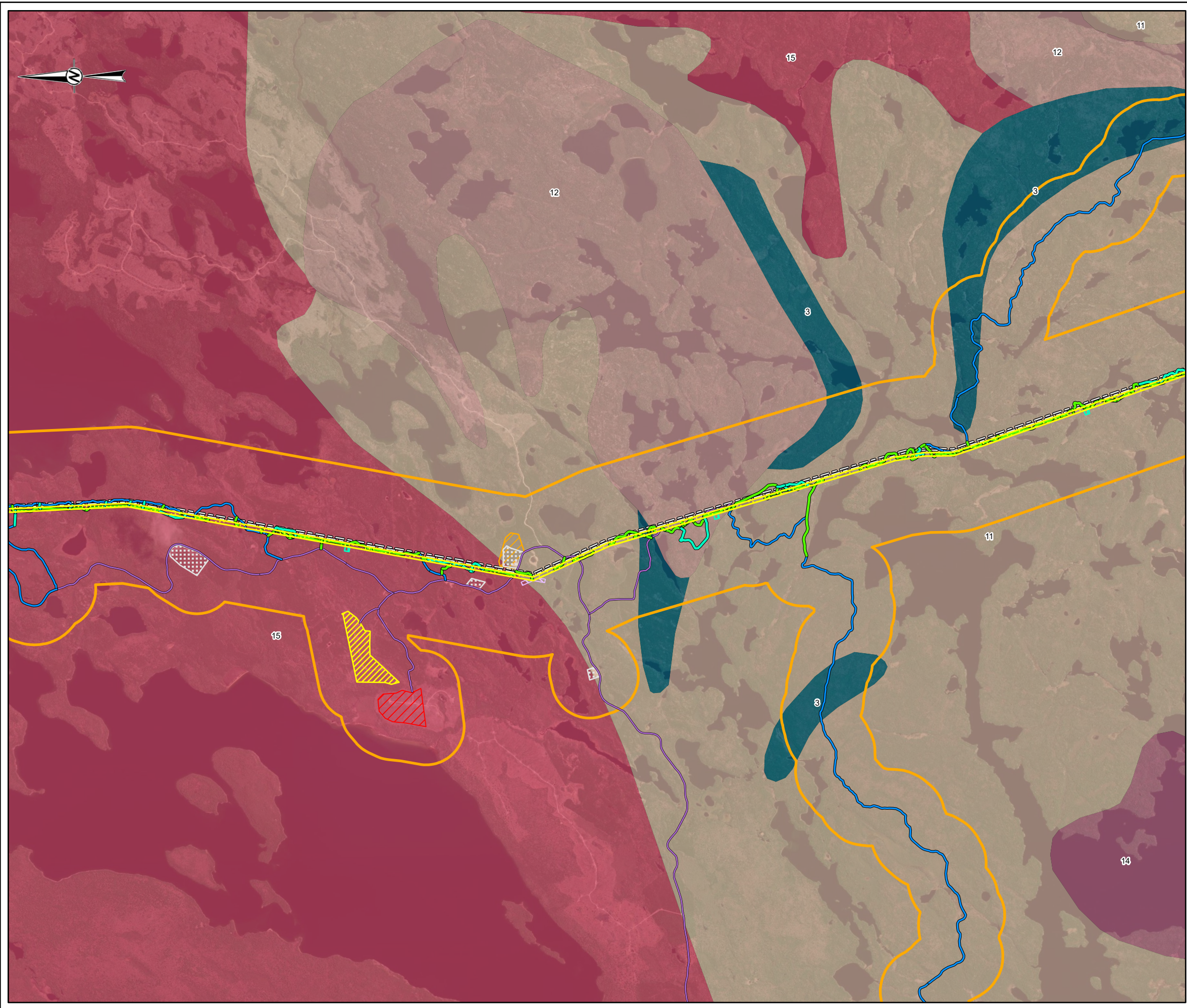
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APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
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	PREPARED	JR/DB
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	APPROVED	CS

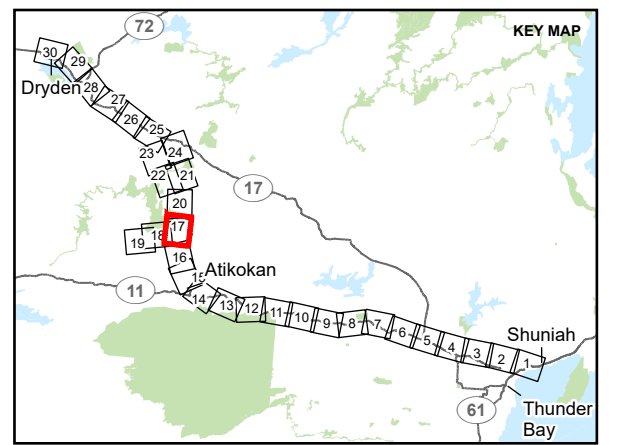
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - TEMPORARY LAYDOWN AREA (PULL SITE)
 - AGGREGATE SITE
 - HELICOPTER PAD
 - CAMP / LAYDOWN
 - FLY YARD / CAMP / LAYDOWN
 - CONSTRUCTION CAMP (NO LONGER TO BE USED)
 - LOCAL STUDY AREA
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 12 FOLIATED TONALITE SUITE
 - 11 GNEISSIC TONALITE SUITE
 - 3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS



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CLIENT
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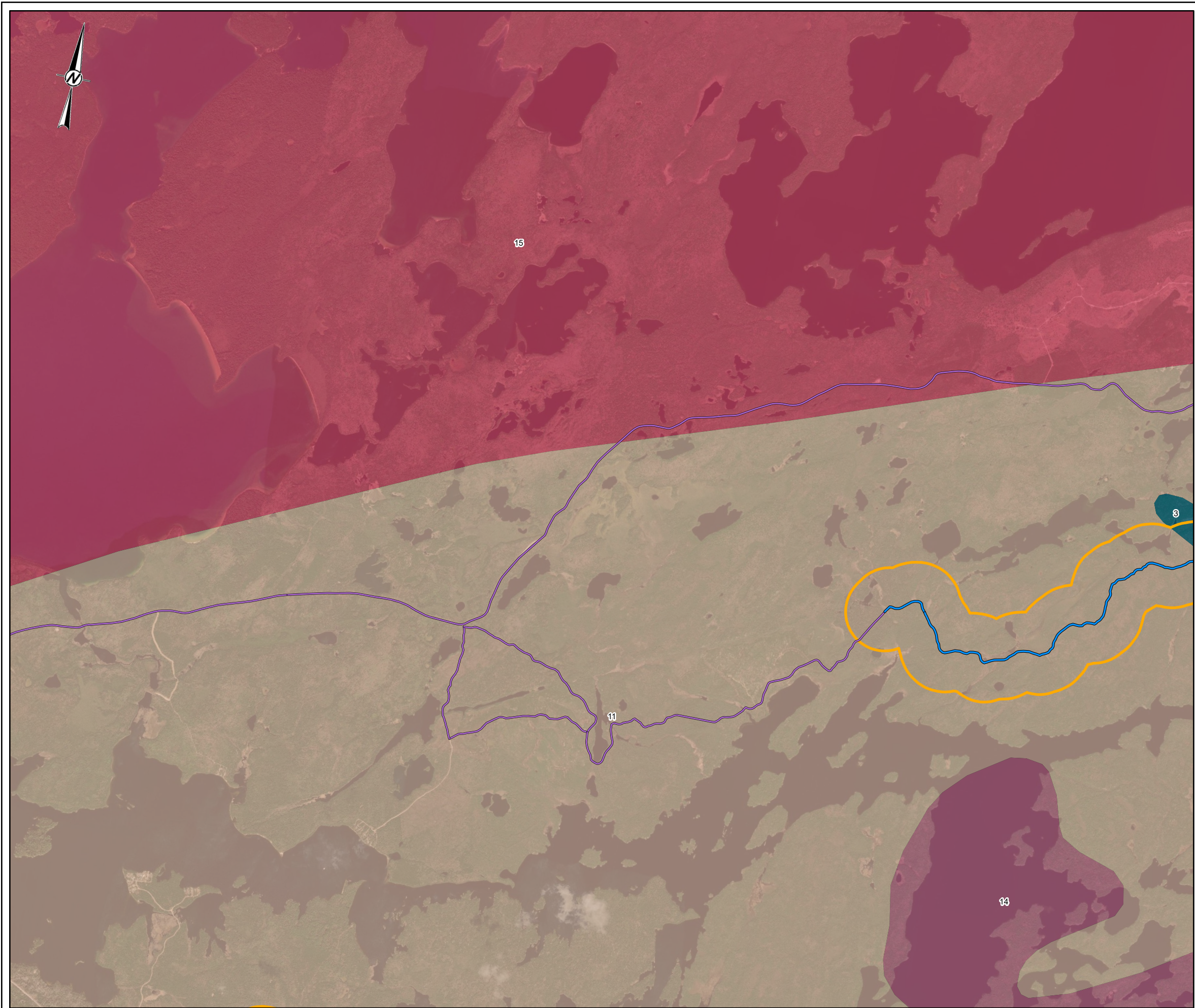
PROJECT
WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

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	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

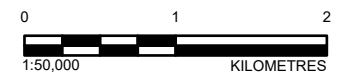
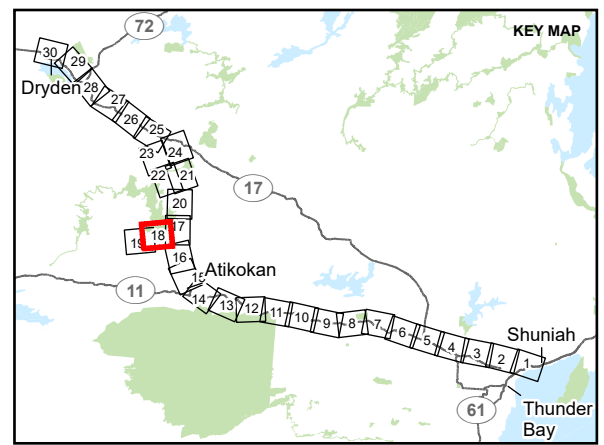
PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 17

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

-  EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
-  EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
-  LOCAL STUDY AREA
-  15 MASSIVE GRANODIORITE TO GRANITE
-  14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
-  11 GNEISSIC TONALITE SUITE
-  3 MAFIC METAVOLCANIC AND METASEDIMENTARY ROCKS



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CLIENT
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PROJECT
 WAASIGAN TRANSMISSION LINE

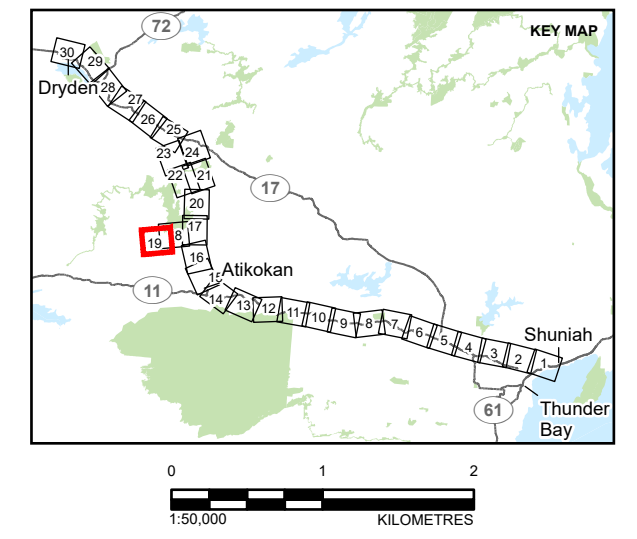
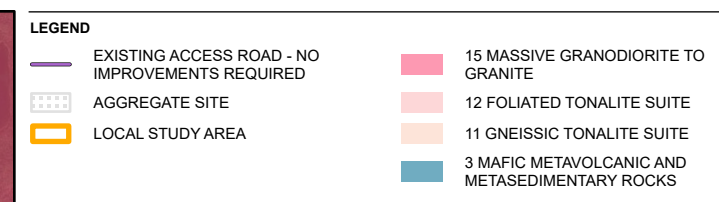
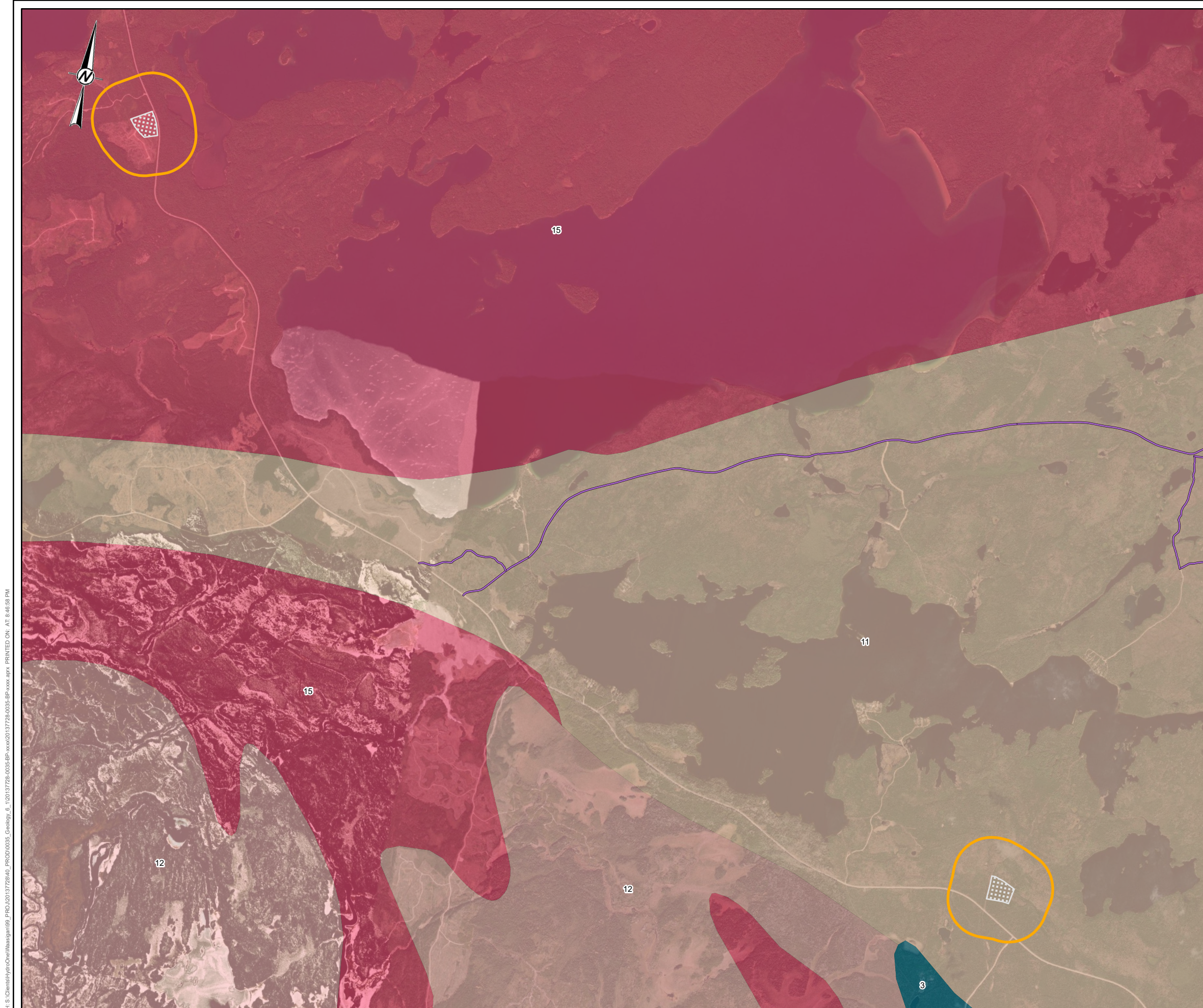
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APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
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	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	18

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CLIENT

HYDRO ONE NETWORKS INC.

PROJECT

WAASIGAN TRANSMISSION LINE

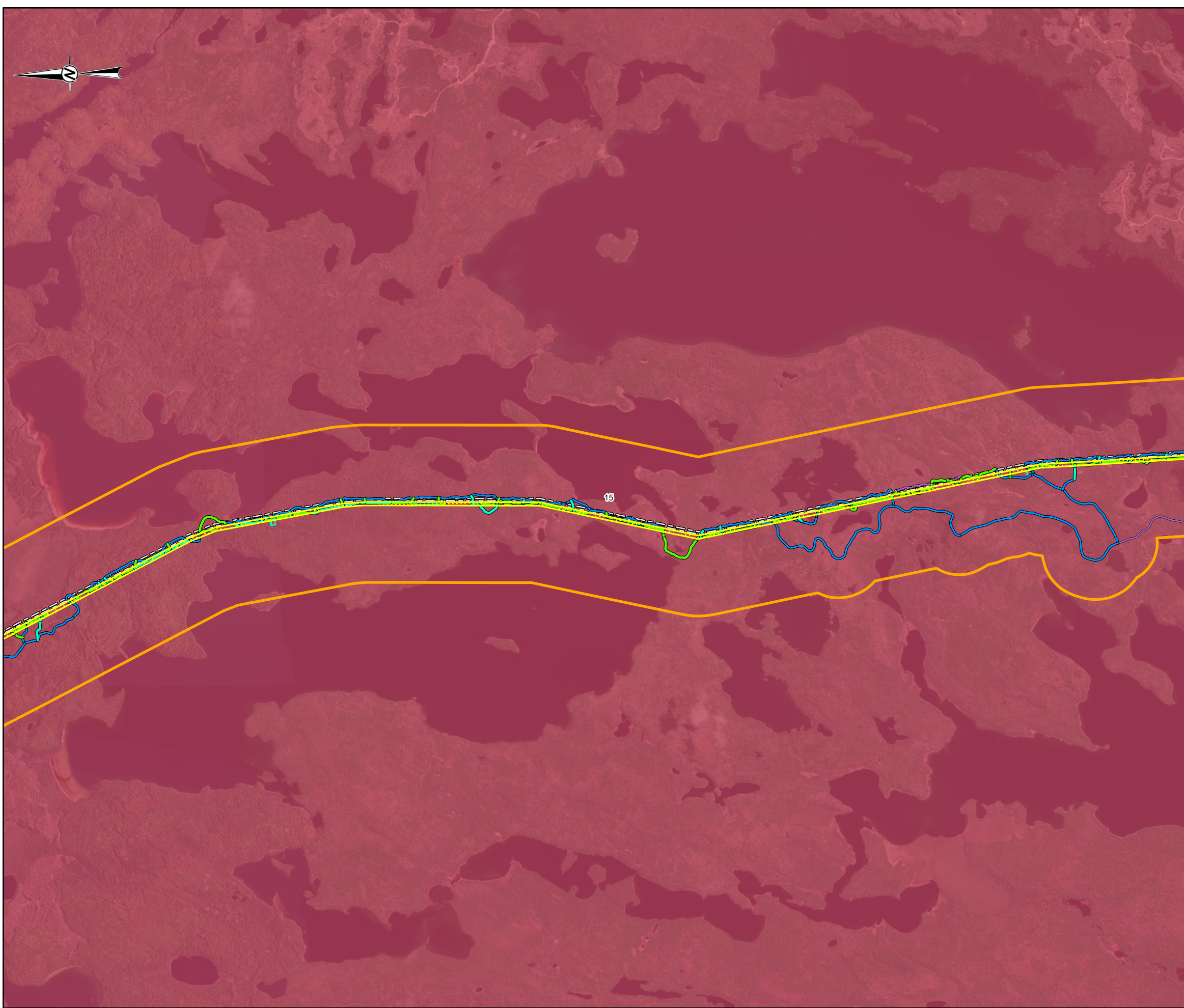
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APPENDIX 6.1-A BEDROCK GEOLOGY

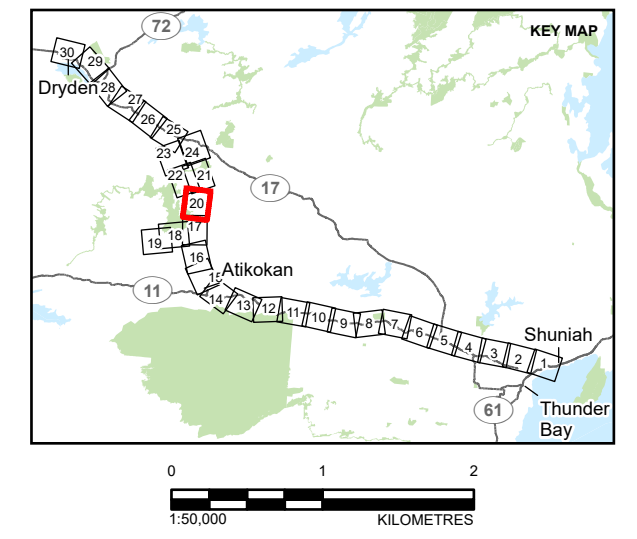
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B 29mm



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - LOCAL STUDY AREA
 - 15 MASSIVE GRANODIORITE TO GRANITE



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PROJECT
 WAASIGAN TRANSMISSION LINE

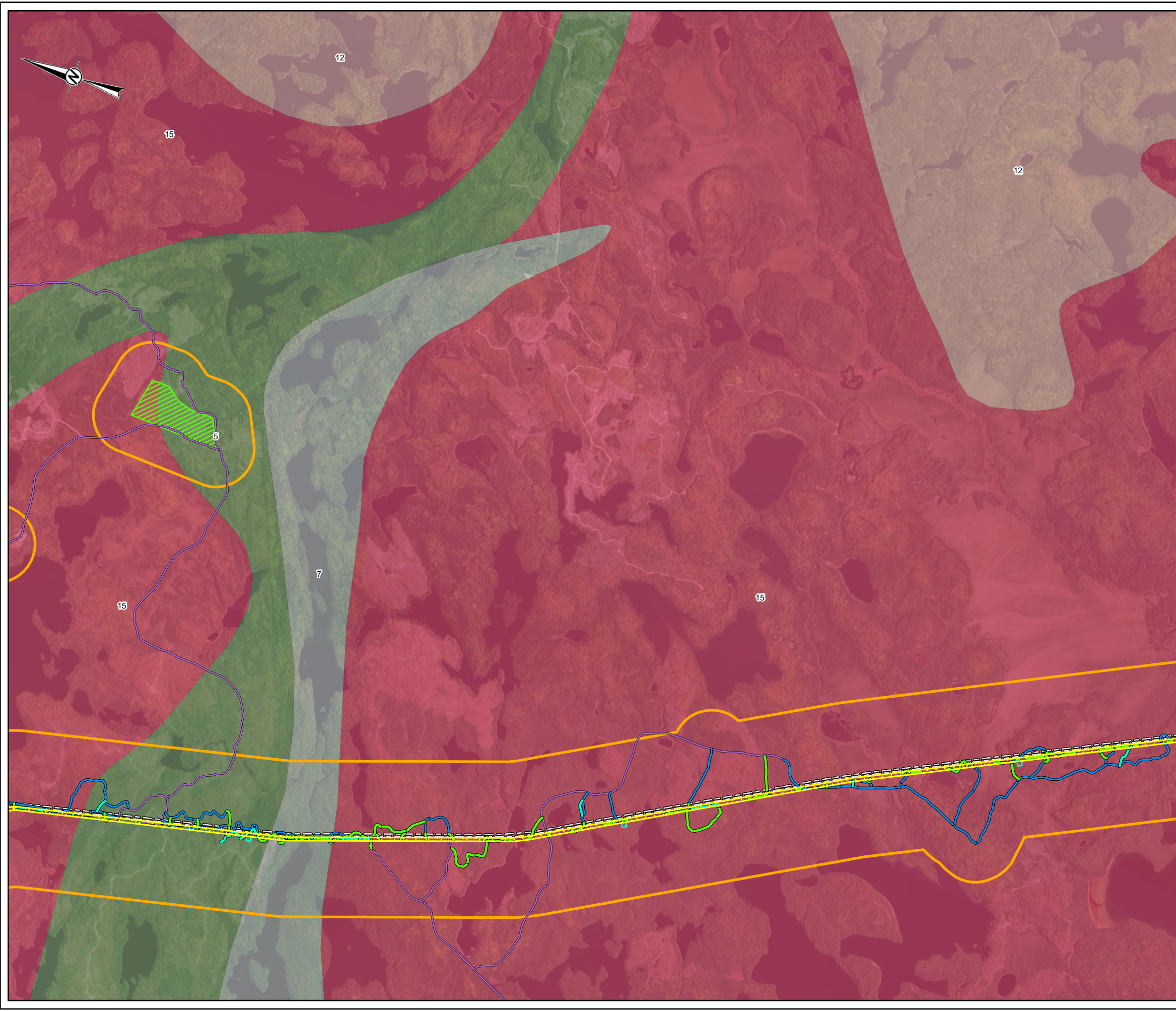
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APPENDIX 6.1-A BEDROCK GEOLOGY

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	DESIGNED	MB
	PREPARED	JR/DB
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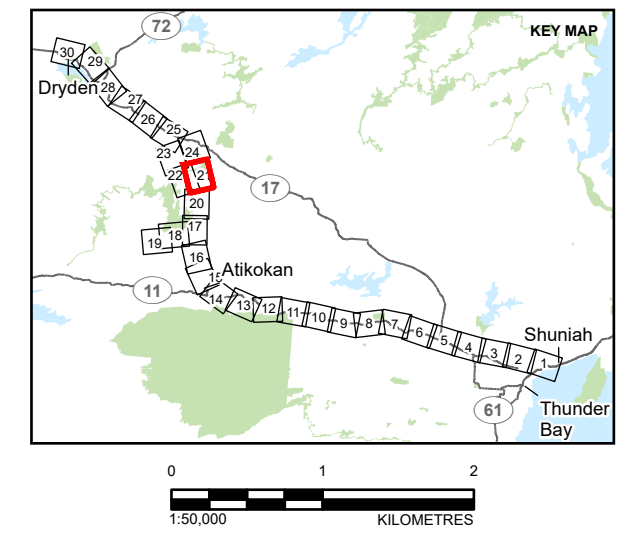
PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	20

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 12 FOLIATED TONALITE SUITE
 - 7 METASEDIMENTARY ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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CLIENT
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PROJECT
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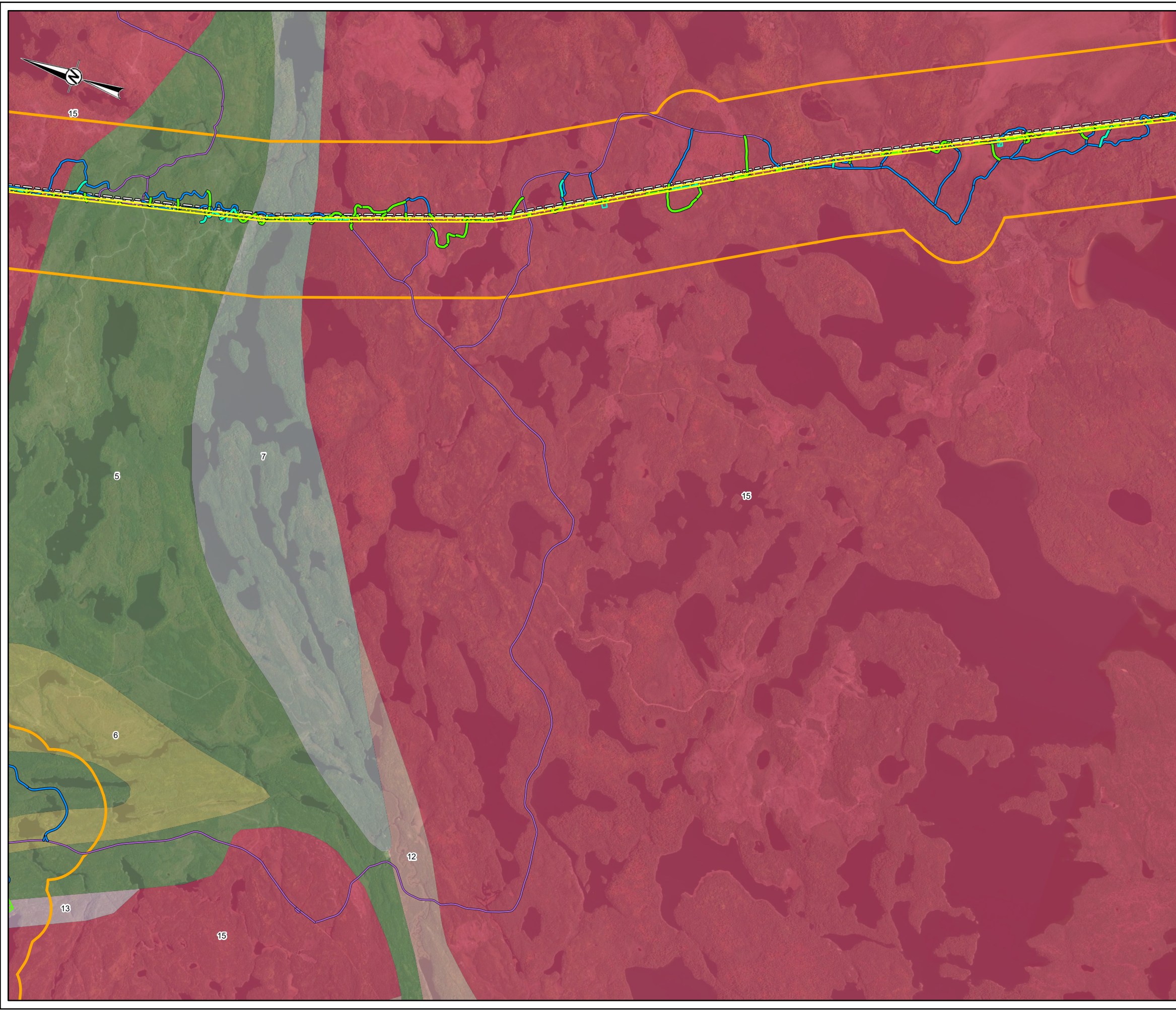
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 APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 21

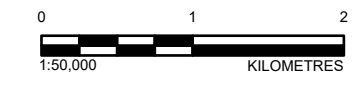
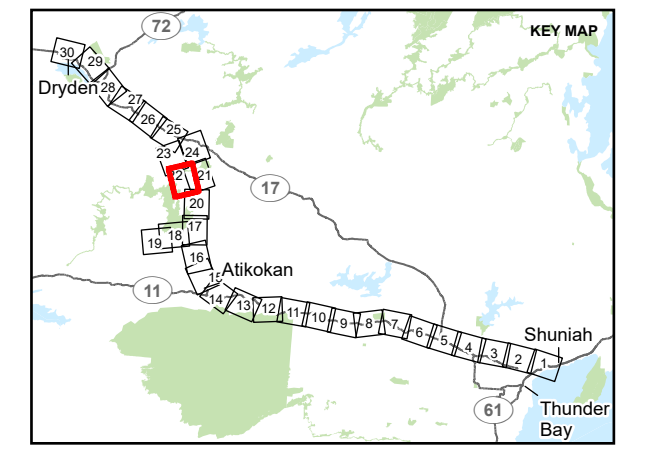
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

EXISTING TRANSMISSION LINE	15 MASSIVE GRANODIORITE TO GRANITE
EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED	13 MUSCOVITE-BEARING GRANITIC ROCKS
EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS	12 FOLIATED TONALITE SUITE
NEW ACCESS ROAD - PREFERRED	7 METASEDIMENTARY ROCKS
NEW ACCESS ROAD - ALTERNATE	6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY	5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS
HELICOPTER PAD	
FLY YARD	
LOCAL STUDY AREA	



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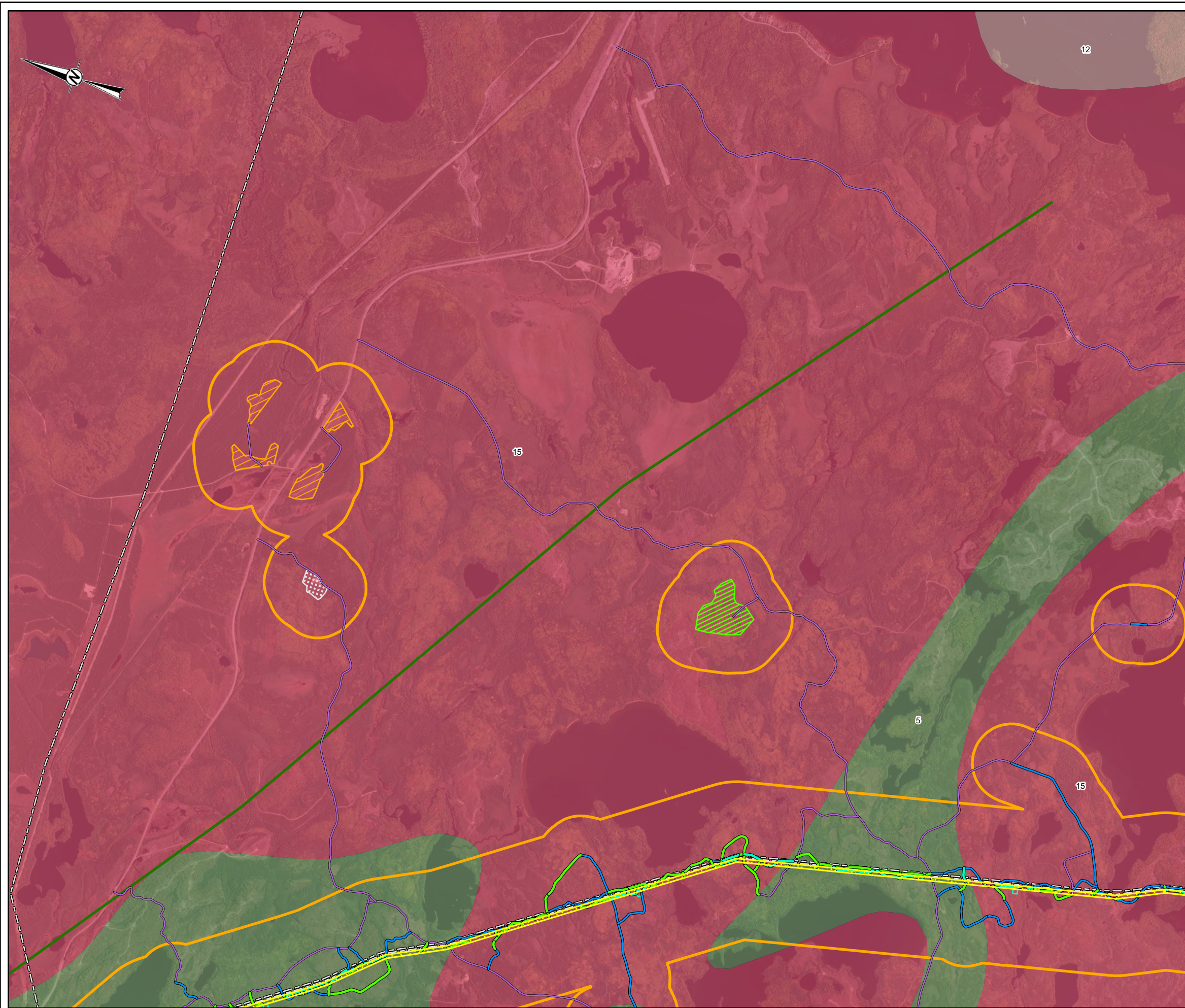
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
 APPENDIX 6.1-A BEDROCK GEOLOGY

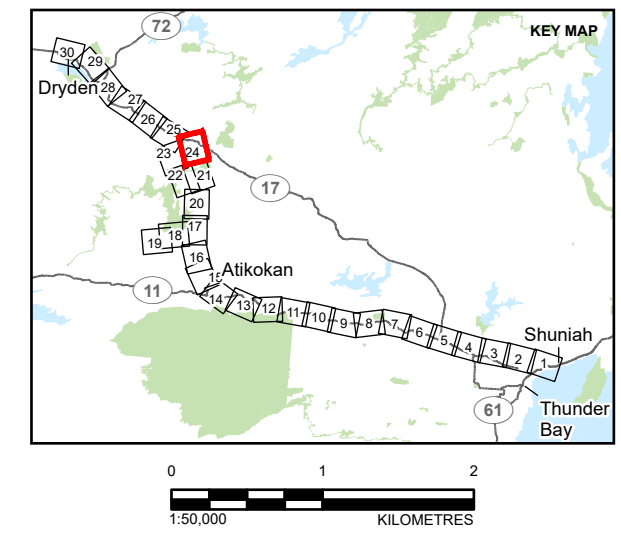
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	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - - - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - - - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - AGGREGATE SITE
 - HELICOPTER PAD
 - FLY YARD
 - CAMP / LAYDOWN
 - LOCAL STUDY AREA
 - MAFIC DIKES OF UNCERTAIN AGE
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 12 FOLIATED TONALITE SUITE
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



NOTE(S)

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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
 HYDRO ONE NETWORKS INC.

PROJECT
 WAASIGAN TRANSMISSION LINE

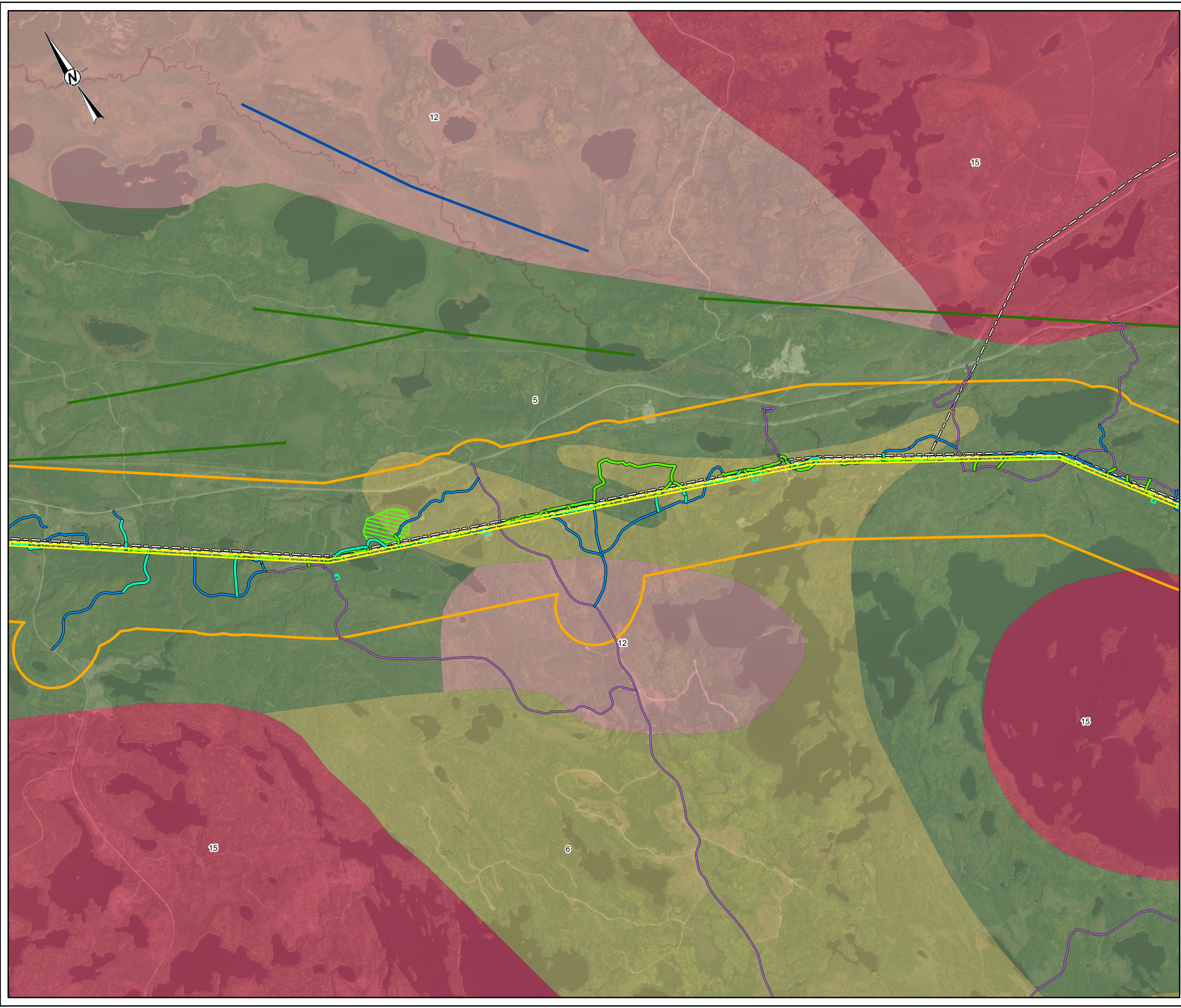
TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

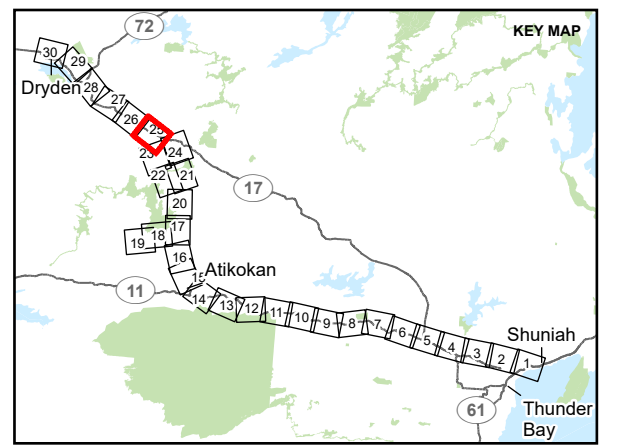
PROJECT NO.	CONTROL	REV.	FIGURE
20137728	0035	1	24

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE
 - TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - MAFIC DIKES OF UNCERTAIN AGE
 - FORT FRANCES MAFIC DIKE
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 12 FOLIATED TONALITE SUITE
 - 6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS




NOTE(S)

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 PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

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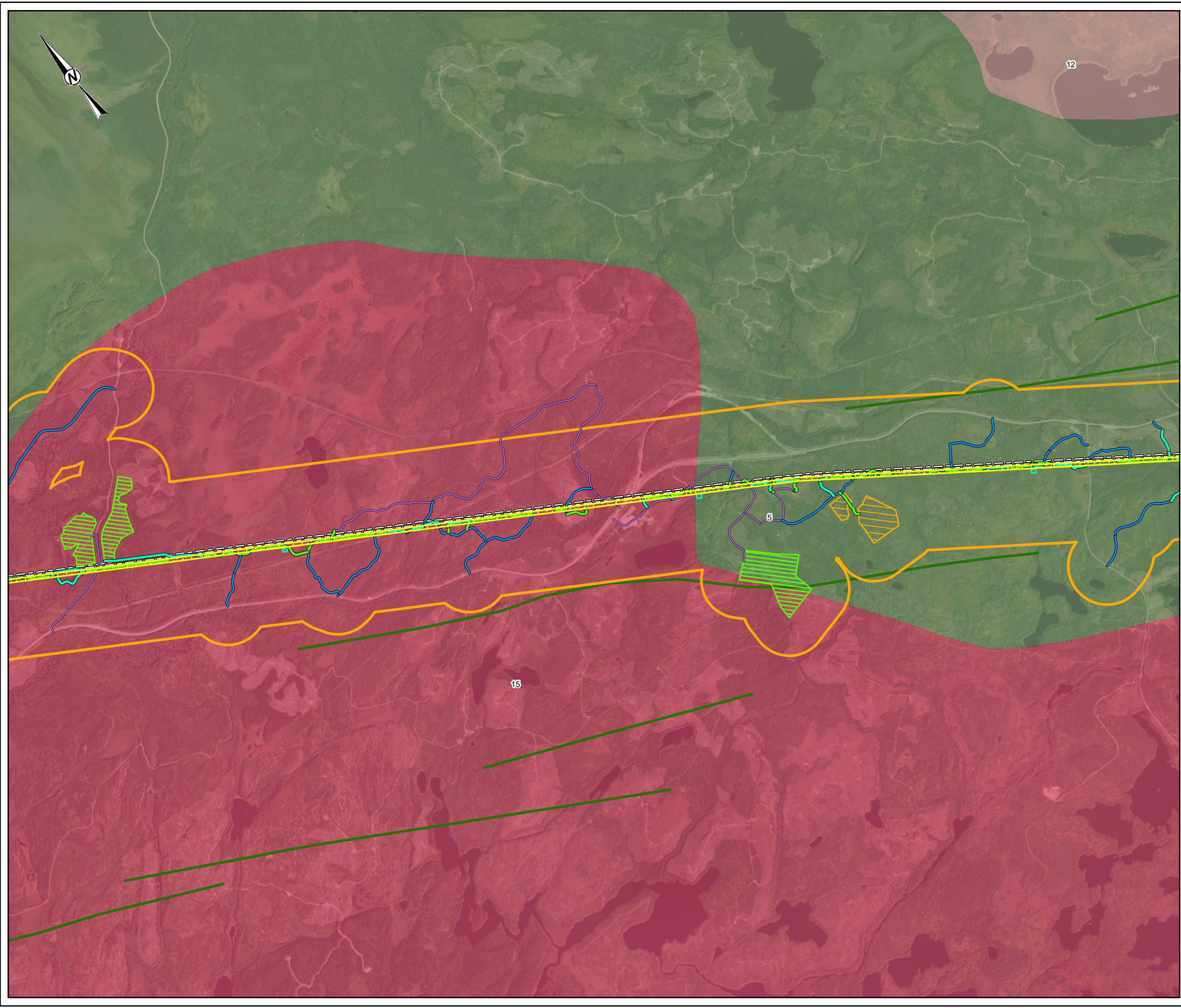
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

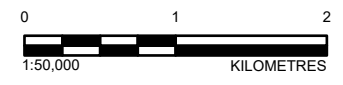
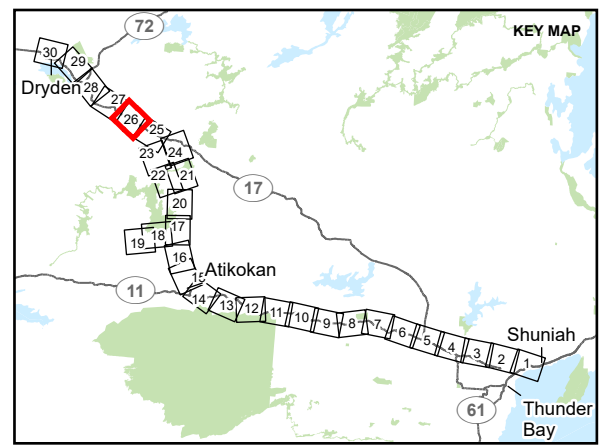
CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - HELICOPTER PAD
 - FLY YARD
 - CAMP / LAYDOWN
 - LOCAL STUDY AREA
 - MAFIC DIKES OF UNCERTAIN AGE
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 12 FOLIATED TONALITE SUITE
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



NOTE(S)

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PROJECTION: CSRS UTM ZONE 15 DATUM: NAD 83

CLIENT
HYDRO ONE NETWORKS INC.

PROJECT
WAASIGAN TRANSMISSION LINE

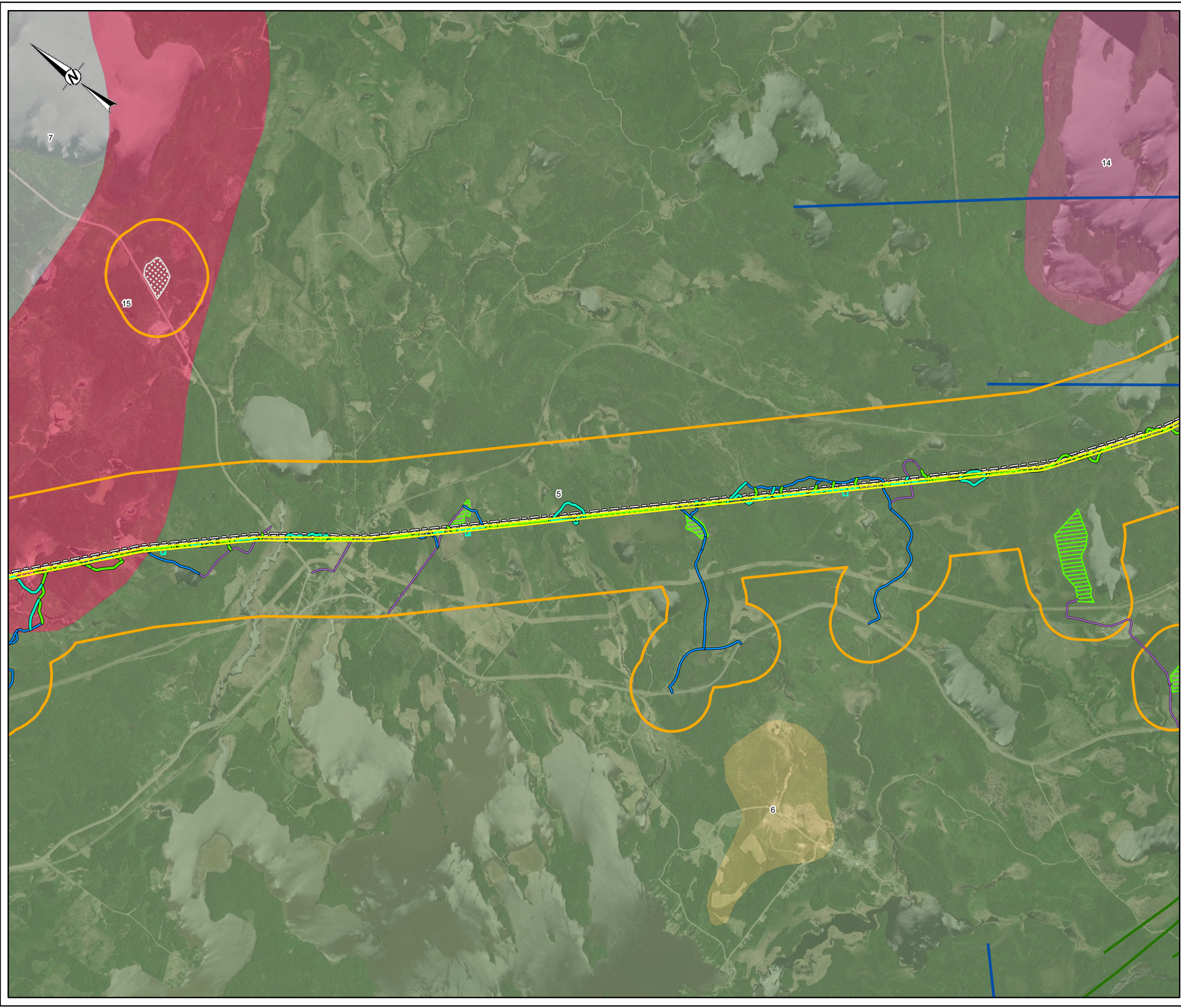
TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

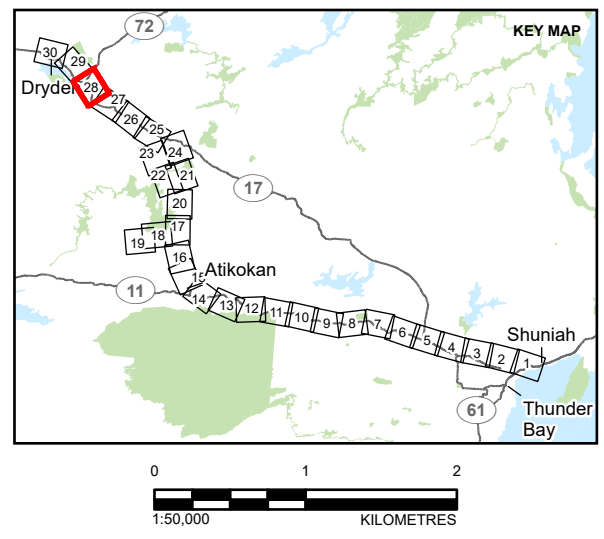
PROJECT NO. 20137728	CONTROL 0035	REV. 1	FIGURE 26
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - AGGREGATE SITE
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - MAFIC DIKES OF UNCERTAIN AGE
 - FORT FRANCES MAFIC DIKE
 - MARATHON, KAPUSKASING OR BISCOTASING MAFIC DIKE
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 14 DIORITE-MONZODIORITE-GRANODIORITE SUITE
 - 7 METASEDIMENTARY ROCKS
 - 6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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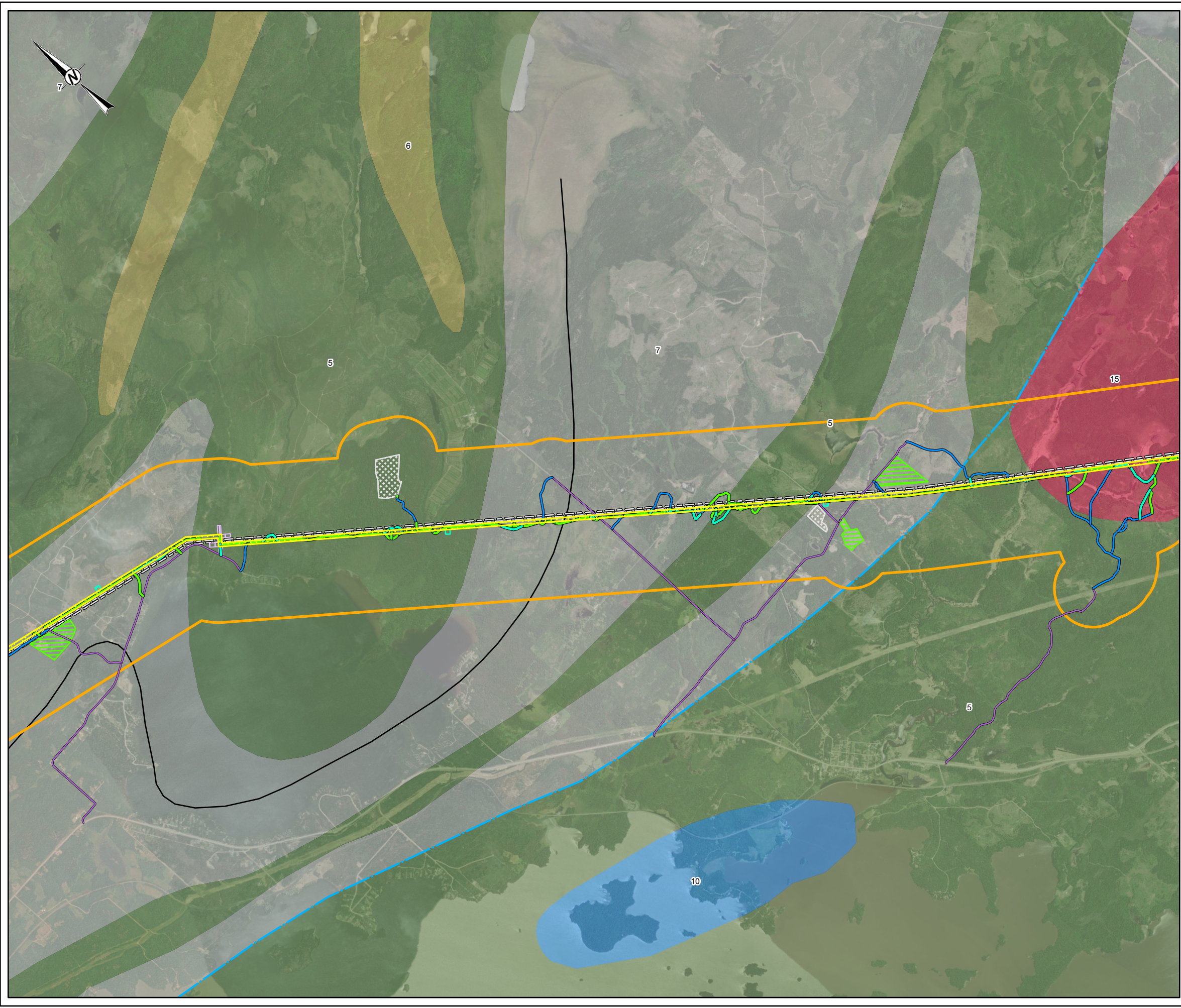
PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

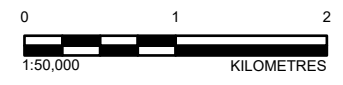
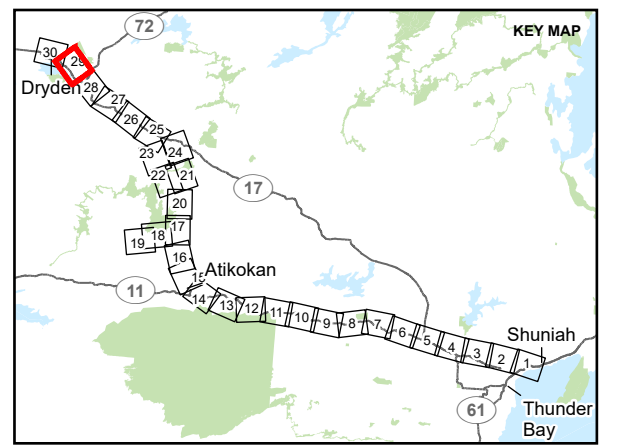
CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - TEMPORARY LAYDOWN AREA (PULL SITE)
 - AGGREGATE SITE
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - IRON FORMATION
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 10 MAFIC AND ULTRAMAFIC ROCKS
 - 7 METASEDIMENTARY ROCKS
 - 6 FELSIC TO INTERMEDIATE METAVOLCANIC ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS




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PROJECT
 WAASIGAN TRANSMISSION LINE

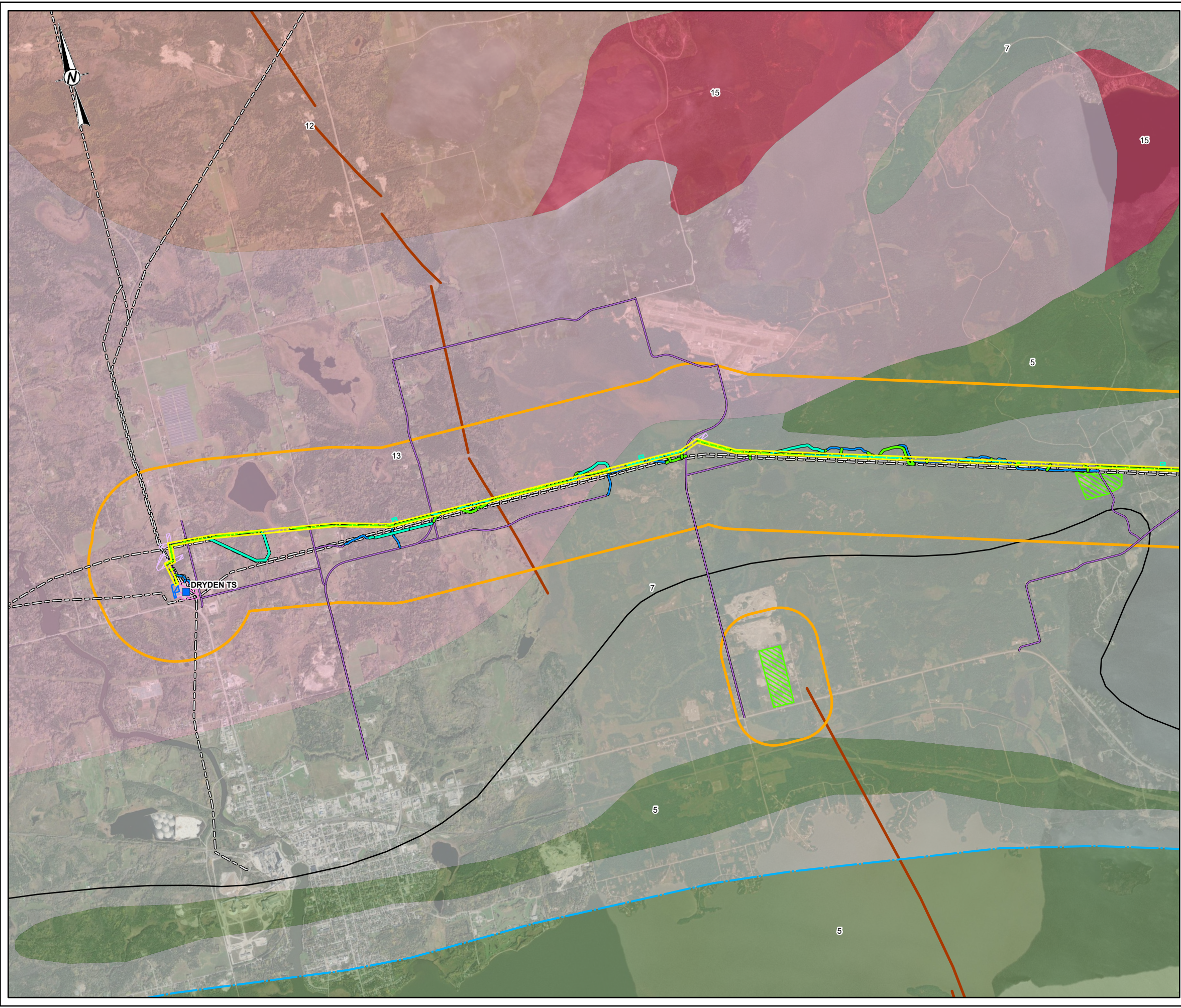
TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

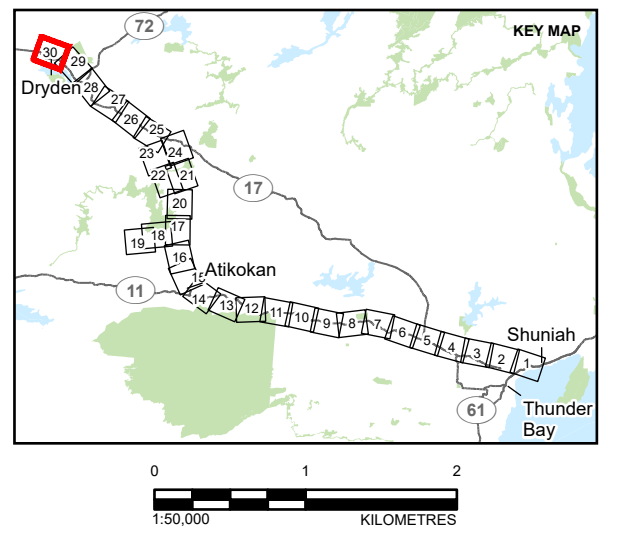
PROJECT NO. 20137728 CONTROL 0035 REV. 1 FIGURE 29

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



- LEGEND**
- 230 kV TRANSFORMER STATION (TS)
 - EXISTING TRANSMISSION LINE
 - EXISTING ACCESS ROAD - NO IMPROVEMENTS REQUIRED
 - EXISTING ACCESS ROAD - POTENTIAL IMPROVEMENTS
 - NEW ACCESS ROAD - PREFERRED
 - NEW ACCESS ROAD - ALTERNATE
 - PREFERRED ROUTE TRANSMISSION LINE RIGHT-OF-WAY
 - TRANSFORMER STATION FENCELINE - EXISTING
 - TRANSFORMER STATION FENCELINE - APPROXIMATE AREA OF EXPANSION
 - TEMPORARY LAYDOWN AREA (PULL SITE)
 - HELICOPTER PAD
 - FLY YARD
 - LOCAL STUDY AREA
 - IRON FORMATION
 - MINE CENTRE MAFIC DIKE
 - FAULT
 - 15 MASSIVE GRANODIORITE TO GRANITE
 - 13 MUSCOVITE-BEARING GRANITIC ROCKS
 - 12 FOLIATED TONALITE SUITE
 - 7 METASEDIMENTARY ROCKS
 - 5 MAFIC TO INTERMEDIATE METAVOLCANIC ROCKS



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PROJECT
 WAASIGAN TRANSMISSION LINE

TITLE
APPENDIX 6.1-A BEDROCK GEOLOGY

CONSULTANT	YYYY-MM-DD	2023-09-27
	DESIGNED	MB
	PREPARED	JR/DB
	REVIEWED	HK
	APPROVED	CS

PATH: S:\Client\HydroOne\Waasigan\9999_FPO_20137728\03_0035-EP-xxx\20137728-0035-EP-xxx.aprx PRINTED ON: AT: 8:48:47 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B