Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-111a137**
General Site Location:	Nuttby
Watercourse Name	Trib1a to Chiganois River
Field Assessor(s)	CJ, MT
Field Assessment Date:	30-Nov-22
UTM Coordinates:	
Datum:	UTM (WP 004)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Poor
Spawning	Poor
Rearing	Moderate
Foraging	Moderate
Migration	Poor
Overwintering	Poor
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	2.45
pH	5.62
Dissolved Oxygen (mg/l)	7.96
Dissolved Oxygen (%)	
Conductivity (µs/cm)	0.025
Salinity (ppt)	0.01
Total Dissolved Solids (g/L)	0.016
Turbidity (NTU)	6.6
Average Velocity (m/sec)	0.31
Velocity Location	Upstream

CHANNEL MEASUREMENTS	
Average Channel Width (m)	1.29
Average Wetted Width (m)	1.07
Average Bankful Depth (m)	0.38
Average Water Depth (m)	0.13
Average Pool Depth (m)	
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Irregular Wandering
Slope	
Confinement	Occasionally Confined
INSTREAM COVER	
Dominant	Small Woody Debris
Subdominant	Overhanging Vegetation
Subdominant	Large Woody Debris
Subdominant	Instream Vegetation
Subdominant	Uprooted Tree Area
Trace	Boulder
Trace	Undercut Banks
Trace	
Trace	
SUBSTRATE	
Dominant	Fines
Subdominant	Gravel
Subdominant	Cobble
Subdominant	Bedrock
Trace	
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1	Balsam Fir	*Abies balsamea*
2	yellow birch	*Betula alleghaniensis*
3	american beech	*Fagus grandifolia*
4	mosses	*#N/A*
5	bluejoint grass	*#N/A*
6	cinnamon fern	*Osmunda cinnamomea*
7	red maple	*Acer rubrum*
8	red spruce	*Picea rubens*
9		*#N/A*
10		*#N/A*
RIPARIAN INFORMATION		
Crown Closure %	26-50%	
Bank Texture	Mixed (Fines, Organics, Gravel)	
Bank Shape	Shallow Slope (<100% / 45 deg.)	
Bank Stability	Good >80% Stable	
Vegetation Stage	Mature Forest	
IMPORTANT FEATURES OBSERVED		
Spawning Area / REDD	☐	
Beaver Dam	☐	
Beaver Pond	☐	
Underground Sections	☐	
Waterfall or Cascade	☐	
No Defined Channel	☐	
Hanging Culvert	☐	
Blocked or Damaged Culvert	☐	
Bridge	☐	
ADDITIONAL NOTES		

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-111a137

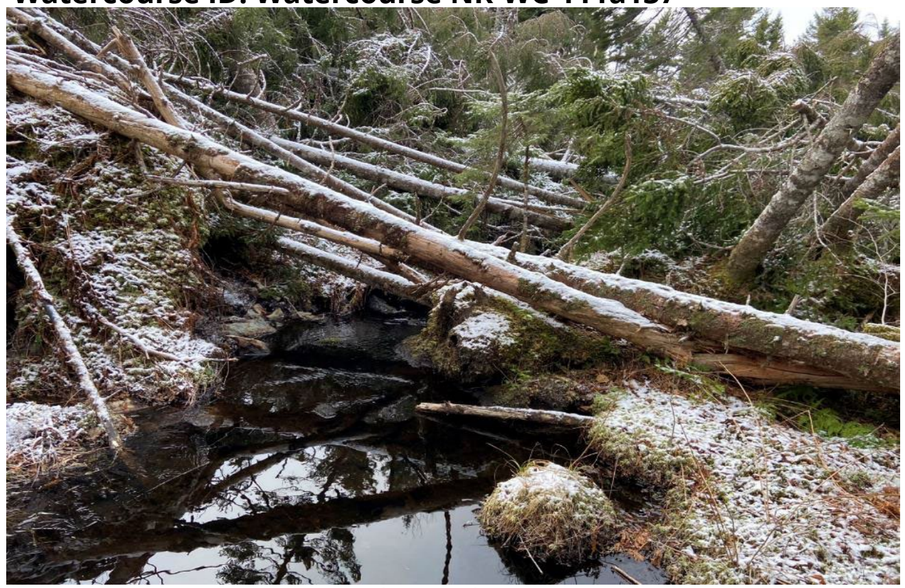

Photo 1: Upstream at Crossing Location

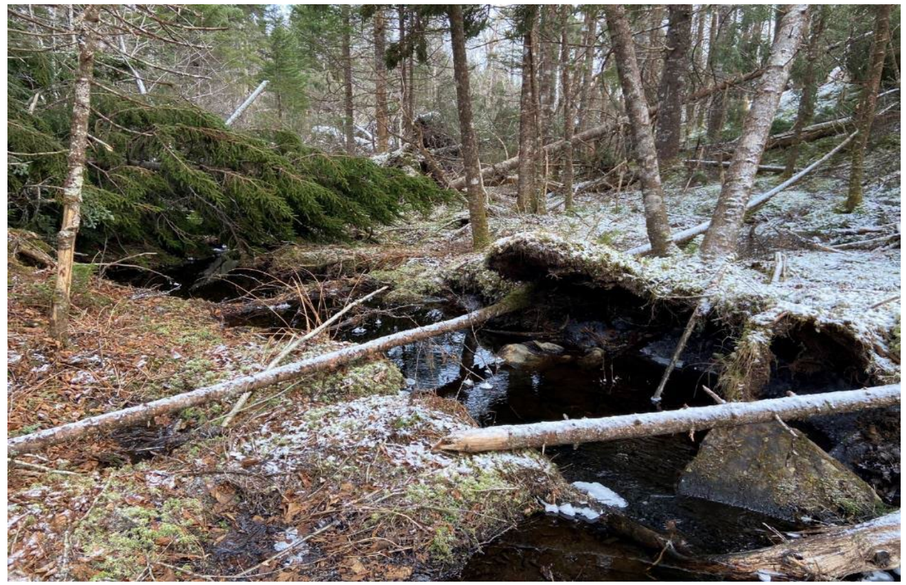

Photo 2: Downstream at Crossing Location

Photo 3: Feature 1 (riffles in stream, downstream)

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-122a339**
General Site Location:	Nuttby
Watercourse Name	Coal Mine Brook
Field Assessor(s)	CJ, MT
Field Assessment Date:	30-Nov-22
UTM Coordinates:	
Datum:	UTM (WP 010)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Poor
Spawning	Poor
Rearing	Moderate
Foraging	Moderate
Migration	Poor
Overwintering	Poor
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	1.86
pH	5.72
Dissolved Oxygen (mg/l)	8.73
Dissolved Oxygen (%)	
Conductivity (µs/cm)	0.032
Salinity (ppt)	0.01
Total Dissolved Solids (g/L)	0.021
Turbidity (NTU)	2.7
Average Velocity (m/sec)	0.25
Velocity Location	Crossing

CHANNEL MEASUREMENTS	
Average Channel Width (m)	1.48
Average Wetted Width (m)	1.33
Average Bankful Depth (m)	0.40
Average Water Depth (m)	0.11
Average Pool Depth (m)	0.34
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Sinuous
Slope	
Confinement	Occasionally Confined
INSTREAM COVER	
Dominant	Small Woody Debris
Subdominant	Overhanging Vegetation
Subdominant	Large Woody Debris
Subdominant	Instream Vegetation
Subdominant	Uprooted Tree Area
Trace	Boulder
Trace	Undercut Banks
Trace	
Trace	
SUBSTRATE	
Dominant	Fines
Subdominant	Boulder
Subdominant	Cobble
Subdominant	Gravel
Trace	
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1	Balsam Fir	*Abies balsamea*
2	yellow birch	*Betula alleghaniensis*
3	american beech	*Fagus grandifolia*
4	mosses	*#N/A*
5	bluejoint grass	*#N/A*
6	cinnamon fern	*Osmunda cinnamomea*
7	red maple	*Acer rubrum*
8	red spruce	*Picea rubens*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Crown Closure %	1-25%
Bank Texture	Fines
Bank Shape	Shallow Slope (<100% / 45 deg.)
Bank Stability	Good >80% Stable
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Spawning Area / REDD	☐
Beaver Dam	☐
Beaver Pond	☐
Underground Sections	☐
Waterfall or Cascade	☐
No Defined Channel	☐
Hanging Culvert	☐
Blocked or Damaged Culvert	☐
Bridge	☐
ADDITIONAL NOTES	

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-122a339

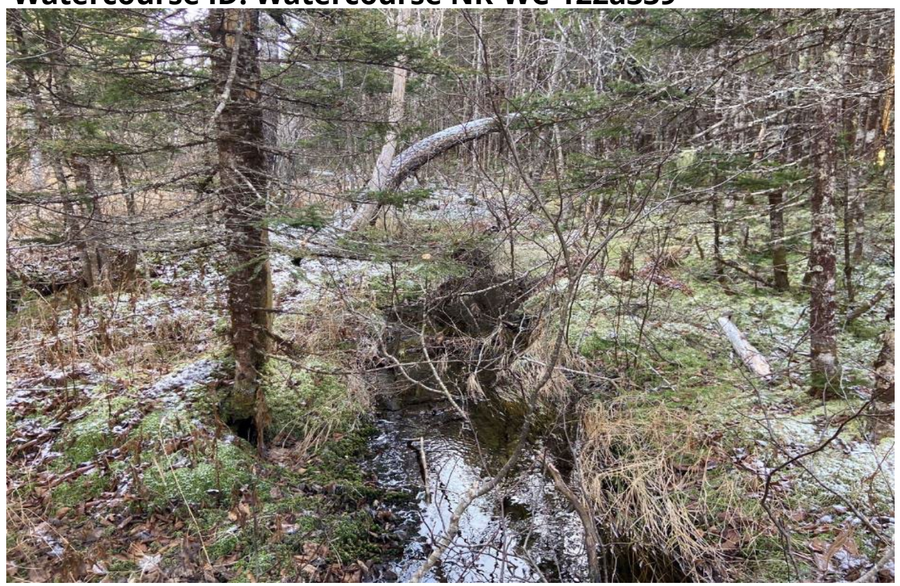

Photo 1: Upstream at Crossing Location

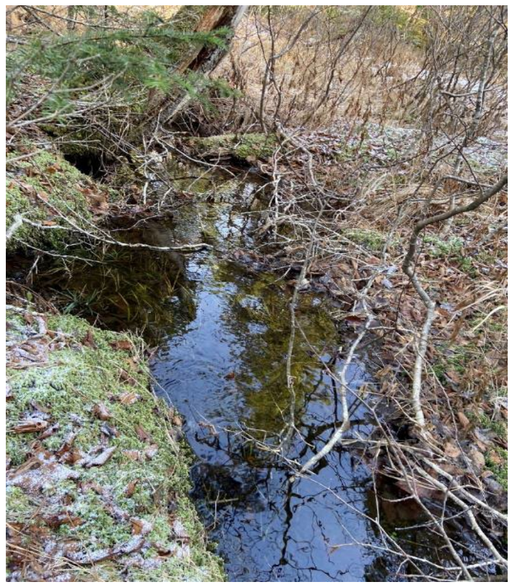

Photo 2: Downstream at Crossing Location

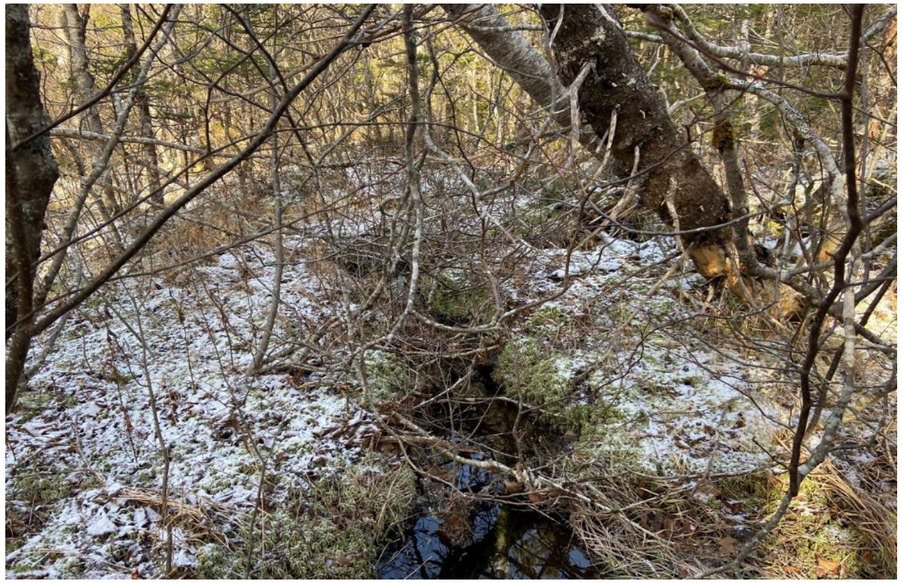

Photo 3: Feature 1 (100 m upstream)

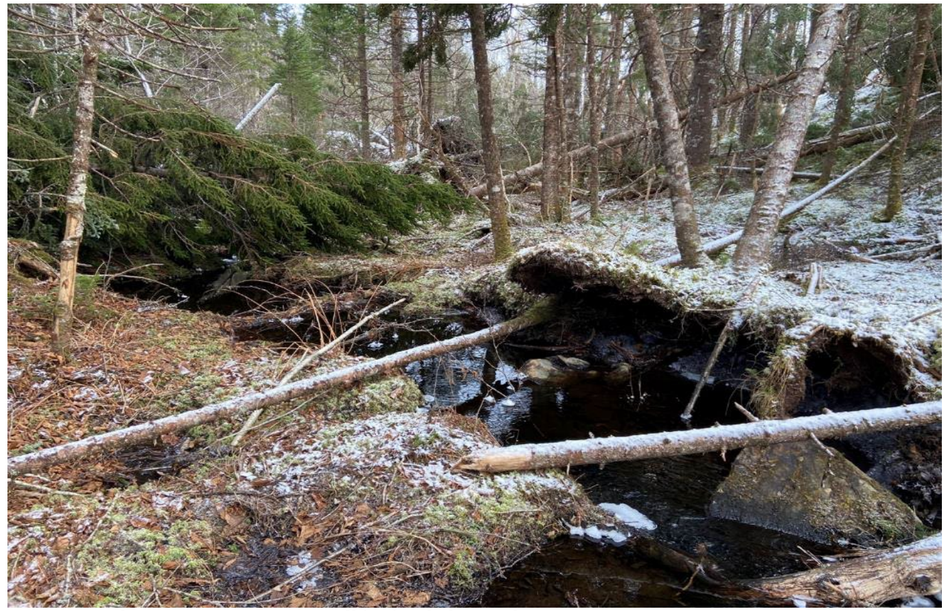

Photo 4: Feature 2 (small insized channel upstream)

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-122a374**
General Site Location:	Nuttby
Watercourse Name	Coal Mine Brook
Field Assessor(s)	MB, NH
Field Assessment Date:	27-Oct-22
UTM Coordinates:	20T 0476311 5040027
Datum:	UTM (WP 153)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Good
Spawning	None
Rearing	Good
Foraging	Good
Migration	Good
Overwintering	Good
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	13.9
pH	5.58
Dissolved Oxygen (mg/l)	7.65
Dissolved Oxygen (%)	77
Conductivity (µs/cm)	40.6
Salinity (ppt)	
Total Dissolved Solids (g/L)	26.4
Turbidity (NTU)	Clear
Average Velocity (m/sec)	
Velocity Location	

CHANNEL MEASUREMENTS	
Average Channel Width (m)	1.58
Average Wetted Width (m)	1.61
Average Bankful Depth (m)	0.56
Average Water Depth (m)	
Average Pool Depth (m)	0.24
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Run
Channel Depth Class	Class 3: <0.5m
Pattern	Regular Meanders
Slope	0%
Confinement	Unconfined
INSTREAM COVER	
Dominant	Undercut Banks
Subdominant	Deep Pool
Subdominant	
Subdominant	
Subdominant	
Trace	Overhanging Vegetation
Trace	Instream Vegetation
Trace	Small Woody Debris
Trace	Large Woody Debris
SUBSTRATE	
Dominant	Fines
Subdominant	Organics
Subdominant	Cobble
Subdominant	Gravel
Trace	Boulder
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Crown Closure %	1-25%
Bank Texture	Fines
Bank Shape	Shallow Slope (<100% / 45 deg.)
Bank Stability	Fair 50-80% Stable
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Spawning Area / REDD	☐
Beaver Dam	☐
Beaver Pond	☐
Underground Sections	☐
Waterfall or Cascade	☐
No Defined Channel	☐
Hanging Culvert	☐
Blocked or Damaged Culvert	☐
Bridge	☐
ADDITIONAL NOTES	

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-122a374

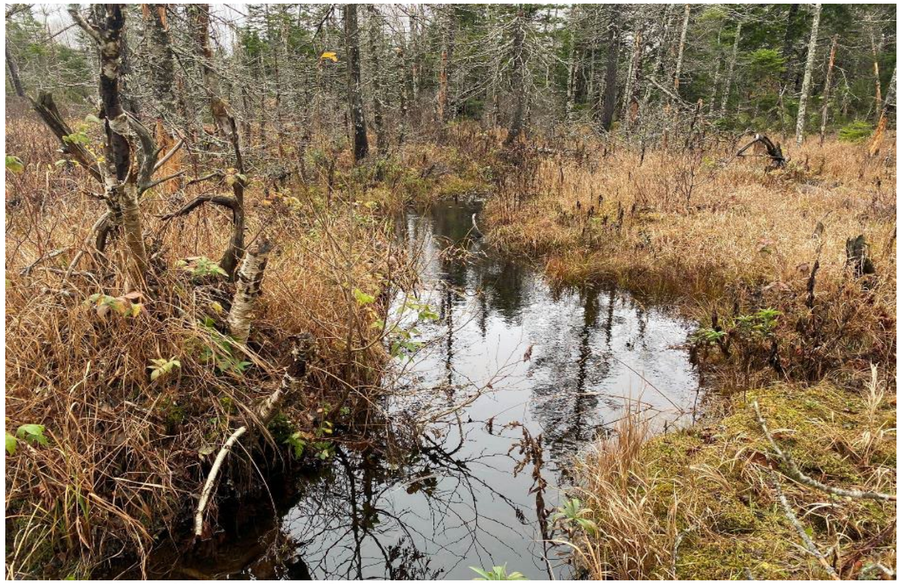

Photo 1: Upstream at Crossing Location

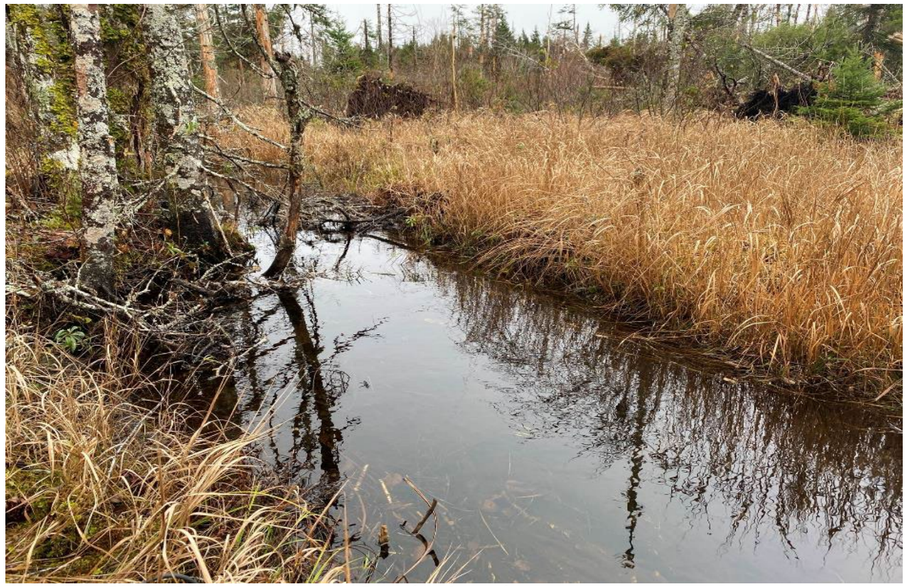

Photo 2: Downstream at Crossing Location

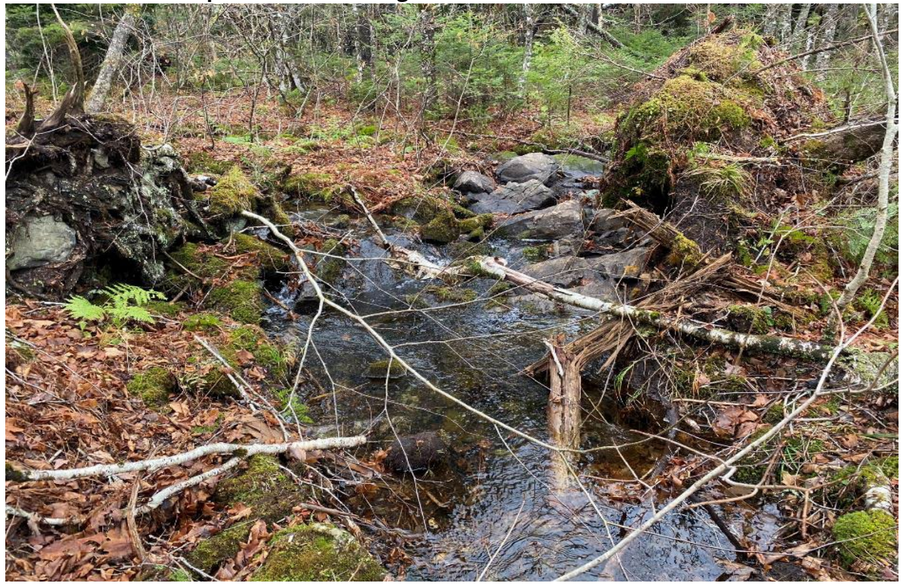

Photo 3: Feature 1 (Riffle/Rapids 270 m downstream)

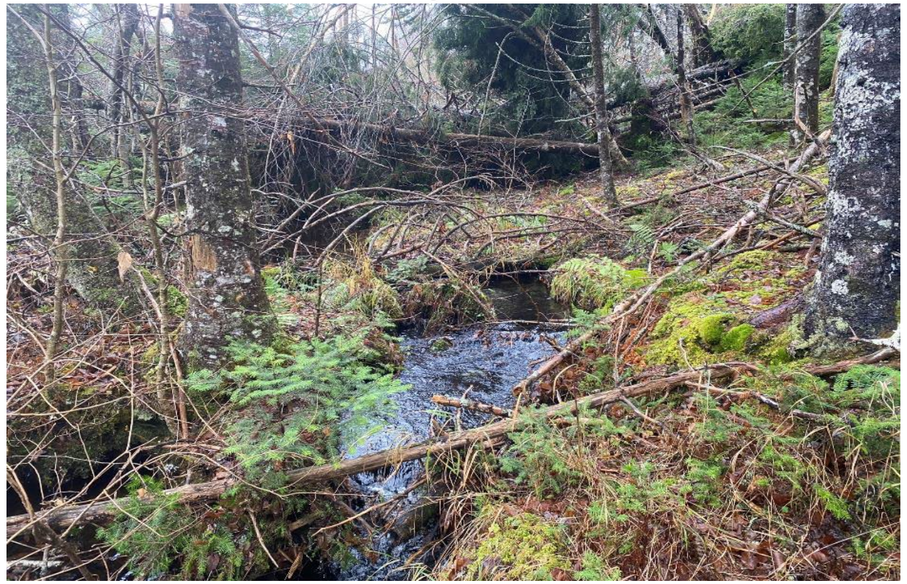

Photo 4: Feature 2 (small channel through blowdown, 100 m upstream of crossing)

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-122a319**
General Site Location:	Nuttby
Watercourse Name	Coal Mine Brook
Field Assessor(s)	MB, NH
Field Assessment Date:	27-Oct-22
UTM Coordinates:	20T 0476372 5039753
Datum:	UTM (WP 163)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Poor
Spawning	None
Rearing	Moderate
Foraging	Poor
Migration	Moderate
Overwintering	None
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	14.5
pH	5.54
Dissolved Oxygen (mg/l)	6.47
Dissolved Oxygen (%)	65
Conductivity (µs/cm)	33.7
Salinity (ppt)	
Total Dissolved Solids (g/L)	21.9
Turbidity (NTU)	Clear
Average Velocity (m/sec)	
Velocity Location	

CHANNEL MEASUREMENTS	
Average Channel Width (m)	1.24
Average Wetted Width (m)	1.25
Average Bankful Depth (m)	0.27
Average Water Depth (m)	
Average Pool Depth (m)	0.22
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Sinuous
Slope	0.5%
Confinement	Unconfined
INSTREAM COVER	
Dominant	Overhanging Vegetation
Subdominant	Instream Vegetation
Subdominant	Deep Pool
Subdominant	
Subdominant	
Trace	Undercut Banks
Trace	
Trace	Small Woody Debris
Trace	Large Woody Debris
SUBSTRATE	
Dominant	Organics
Subdominant	Fines
Subdominant	
Subdominant	
Trace	
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Crown Closure %	1-25%
Bank Texture	Organics
Bank Shape	Shallow Slope (<100% / 45 deg.)
Bank Stability	Fair 50-80% Stable
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Spawning Area / REDD	☐
Beaver Dam	☐
Beaver Pond	☐
Underground Sections	☐
Waterfall or Cascade	☐
No Defined Channel	☐
Hanging Culvert	☐
Blocked or Damaged Culvert	☐
Bridge	☐
ADDITIONAL NOTES	

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-122a319

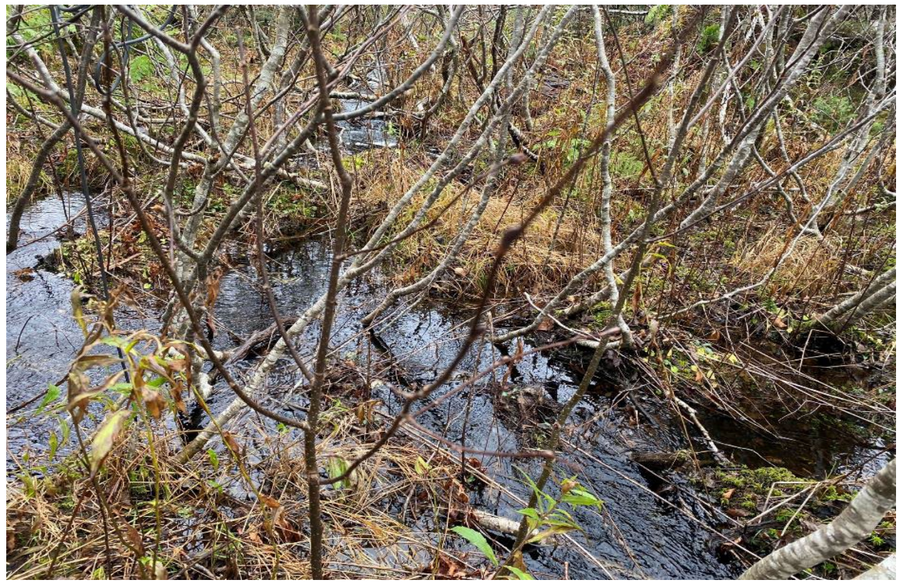

Photo 1: Upstream at Crossing Location

Photo 2: Downstream at Crossing Location

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-122a367**
General Site Location:	Nuttby
Watercourse Name	Coal Mine Brook
Field Assessor(s)	MB, NH
Field Assessment Date:	27-Oct-22
UTM Coordinates:	20T 0476380 5039579
Datum:	UTM (WP 168)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Good
Spawning	Good
Rearing	Good
Foraging	Good
Migration	Good
Overwintering	Moderate
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	14
pH	4.46
Dissolved Oxygen (mg/l)	8.49
Dissolved Oxygen (%)	85.2
Conductivity (µs/cm)	26.1
Salinity (ppt)	
Total Dissolved Solids (g/L)	17
Turbidity (NTU)	Clear
Average Velocity (m/sec)	
Velocity Location	

CHANNEL MEASUREMENTS	
Average Channel Width (m)	1.22
Average Wetted Width (m)	1.32
Average Bankful Depth (m)	0.60
Average Water Depth (m)	
Average Pool Depth (m)	0.27
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Irregular Meandering
Slope	0%
Confinement	Unconfined
INSTREAM COVER	
Dominant	Undercut Banks
Subdominant	Deep Pool
Subdominant	Overhanging Vegetation
Subdominant	
Subdominant	
Trace	
Trace	
Trace	
Trace	Small Woody Debris
Trace	Large Woody Debris
SUBSTRATE	
Dominant	Fines
Subdominant	Gravel
Subdominant	Cobble
Subdominant	
Trace	Boulder
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Crown Closure %	1-25%
Bank Texture	Fines
Bank Shape	Shallow Slope (<100% / 45 deg.)
Bank Stability	Fair 50-80% Stable
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Spawning Area / REDD	☐
Beaver Dam	☐
Beaver Pond	☐
Underground Sections	☐
Waterfall or Cascade	☐
No Defined Channel	☐
Hanging Culvert	☐
Blocked or Damaged Culvert	☐
Bridge	☐
ADDITIONAL NOTES	

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-122a367

Photo 1: Upstream at Crossing Location

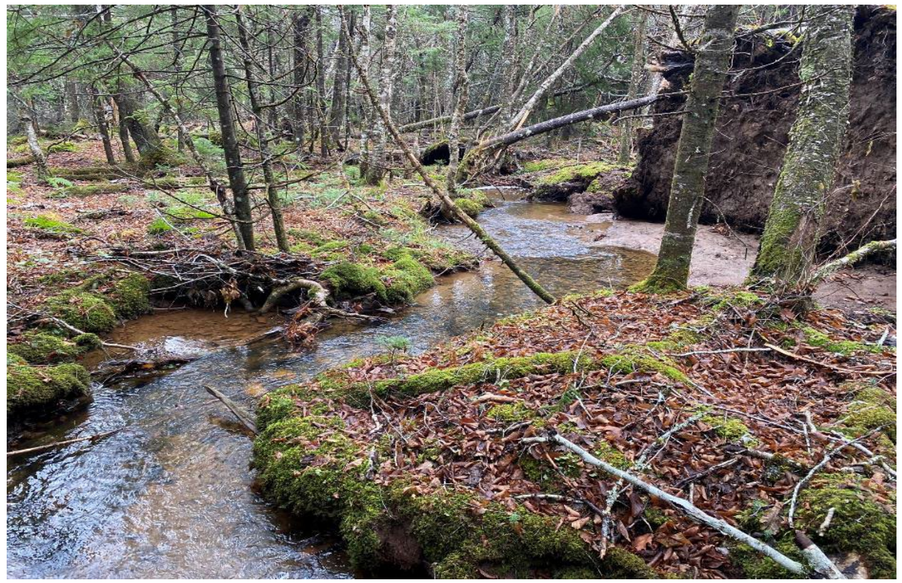

Photo 2: Downstream at Crossing Location

Photo 3: Feature 1 (Downstream - natural digger logs in stream)

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-122L26**
General Site Location:	Nuttby
Watercourse Name	b9 to West Branch North Riv
Field Assessor(s)	CM, IB
Field Assessment Date:	02-Dec-22
UTM Coordinates:	
Datum:	UTM (WP 1729)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	
Spawning	
Rearing	
Foraging	
Migration	
Overwintering	
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Moderate
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	
pH	
Dissolved Oxygen (mg/l)	
Dissolved Oxygen (%)	
Conductivity (µs/cm)	
Salinity (ppt)	
Total Dissolved Solids (g/L)	
Turbidity (NTU)	Clear
Average Velocity (m/sec)	0.30
Velocity Location	

CHANNEL MEASUREMENTS	
Average Channel Width (m)	0.55
Average Wetted Width (m)	0.45
Average Bankful Depth (m)	0.23
Average Water Depth (m)	0.10
Average Pool Depth (m)	
WATERCOURSE MORPHOLOGY	
Watercourse Type	Small Permananent with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Sinuous
Slope	
Confinement	Frequently Confined
INSTREAM COVER	
Dominant	
Subdominant	Undercut Banks
Subdominant	Small Woody Debris
Subdominant	Boulder
Subdominant	
Trace	
Trace	
Trace	
Trace	
Trace	
SUBSTRATE	
Dominant	Cobble
Subdominant	Gravel
Subdominant	Fines
Subdominant	
Trace	Boulder
BARRIERS	
No Barriers	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*
RIPARIAN INFORMATION		
Crown Closure %	26-50%	
Bank Texture	Organics	
Bank Shape	Shallow Slope (<100% / 45 deg.)	
Bank Stability	Fair 50-80% Stable	
Vegetation Stage	Mature Forest	
IMPORTANT FEATURES OBSERVED		
Spawning Area / REDD	☐	
Beaver Dam	☐	
Beaver Pond	☐	
Underground Sections	☐	
Waterfall or Cascade	☐	
No Defined Channel	☐	
Hanging Culvert	☐	
Blocked or Damaged Culvert	☐	
Bridge	☐	
ADDITIONAL NOTES		

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-122L26

Photo 1: Upstream at Crossing Location

Photo 2: Downstream at Crossing Location

Photo 3: Feature 1 (Flow from Wetland)

Watercourse Fact Sheet: Fish Habitat - Page 1

WATERCOURSE INFORMATION	
Watercourse ID:	**Nuttby Watercourse NR-WC-121a131**
General Site Location:	Nuttby
Watercourse Name	Middle Branch North River
Field Assessor(s)	MB, NH
Field Assessment Date:	13-Dec-22
UTM Coordinates:	20T 482352 5043897
Datum:	UTM (WP 198)
HABITAT QUALITY (AT CENTRELINE)	
Overall Habitat Quality	Poor
Spawning	None
Rearing	Poor
Foraging	Poor
Migration	Poor
Overwintering	Poor
POTENTIAL FOR FISH PRESENCE	
Overall Fish Potential	Low
FISH OBSERVED	
No	
WATER QUALITY AND VELOCITY	
Temperature (Deg. C)	1.2
pH	5.61
Dissolved Oxygen (mg/l)	12.19
Dissolved Oxygen (%)	90.2
Conductivity (µs/cm)	29.5
Salinity (ppt)	0.01
Total Dissolved Solids (g/L)	19.5
Turbidity (NTU)	Clear
Average Velocity (m/sec)	
Velocity Location	

CHANNEL MEASUREMENTS	
Average Channel Width (m)	0.75
Average Wetted Width (m)	0.75
Average Bankful Depth (m)	
Average Water Depth (m)	0.15
Average Pool Depth (m)	
WATERCOURSE MORPHOLOGY	
Watercourse Type	Ephemeral with Intermittent Characteristics
Stage (season was very dry)	Mid
Morphology (assumed in dry area	Riffle
Channel Depth Class	Class 3: <0.5m
Pattern	Sinuous
Slope	5%
Confinement	Unconfined
INSTREAM COVER	
Dominant	Undercut Banks
Subdominant	Small Woody Debris
Subdominant	
Subdominant	
Subdominant	
Trace	Boulder
Trace	Deep Pool
Trace	
Trace	
SUBSTRATE	
Dominant	Gravel
Subdominant	Cobble
Subdominant	Fines
Subdominant	
Trace	Boulder
BARRIERS	
Yes, Partial Barrier	
STREAM INVERTEBRATES	
None	

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Crown Closure %	26-50%
Bank Texture	Fines
Bank Shape	Flat / No Bank
Bank Stability	Fair 50-80% Stable
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Spawning Area / REDD	☐
Beaver Dam	☐
Beaver Pond	☐
Underground Sections	☐
Waterfall or Cascade	☐
No Defined Channel	☐
Hanging Culvert	☑
Blocked or Damaged Culvert	☐
Bridge	☐

ADDITIONAL NOTES

steep channel, perched culvert at road, overland channel above culvert caused by above runoff.

Watercourse Fact Sheet: Fish Habitat - Page 2
Watercourse ID: Watercourse NR-WC-121a131

Photo 1: Upstream at Crossing Location

Photo 2: Downstream at Crossing Location

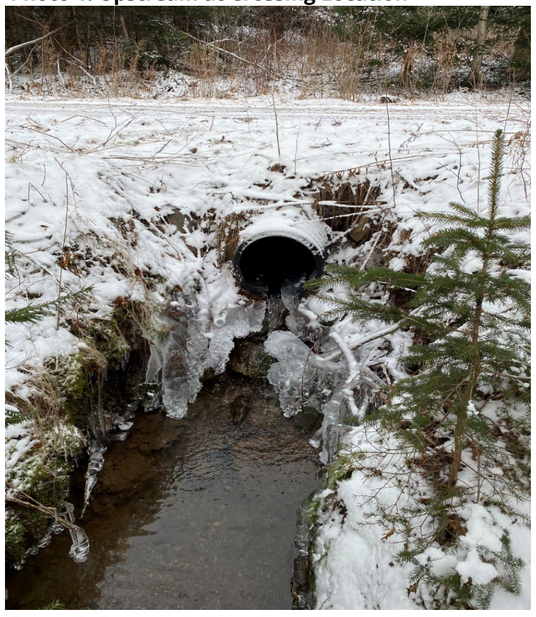

Photo 3: Feature 1 (Flow from Wetland)

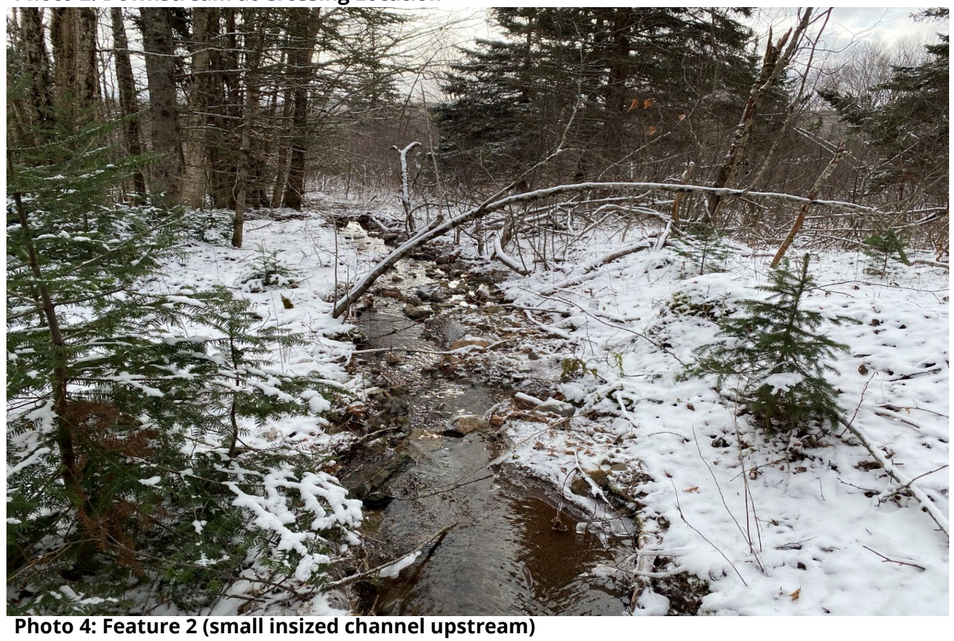

Photo 4: Feature 2 (small insized channel upstream)

Watercourse Fact Sheet: Not Fish Habitat

WATERCOURSE INFORMATION	
Watercourse ID:	**Watercourse NR-WC-122d32**
General Site Location:	Nuttby Grid B3
Watercourse Assessor(s):	CJ, SF
Affiliation:	CBCL
Field Assessment Date:	21-Nov-22
UTM Coordinates:	WP1971-1972
Datum:	UTM
SUBSTRATE	
Dominant	
Subdominant	
Subdominant	
Trace	
Trace	
Trace	
CHANNEL MEASUREMENTS	
Average Channel Width (m)	N/A
Average Wetted Width (m)	N/A
Average Bankful Depth (m)	N/A
Average Water Depth (m)	N/A
Average Pool Depth (m)	N/A
WATERCOURSE MORPHOLOGY	
Watercourse Type	Ephemeral
Stage (season was very dry)	Mid

PHOTOS

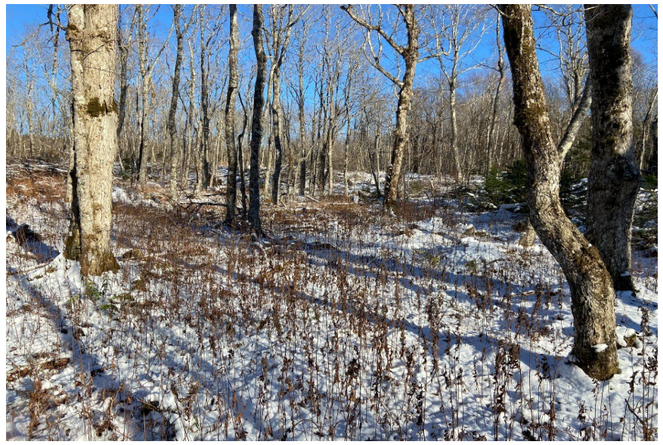

Photo 1: Habitat at WP1971.

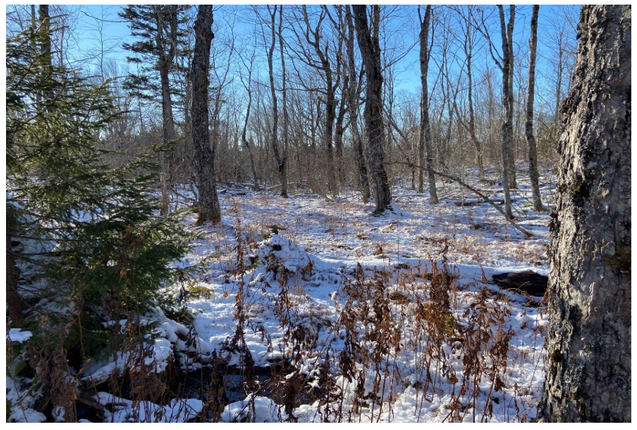

Photo 2: Surface water at WP1972.

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Vegetated Across	☑
Flows into Fish Habitat Downstream	☐
Underground Sections or Groundwater	☐
Surface Flow	☑
Wetland Corridor (Flow Between Wetlands)	☐
Barrier	☐
Artificial Channelization	☐
Culvert or Bridge	☐
Water Flowing over Road (no Culvert)	☐
No Defined Channel	☑

ADDITIONAL NOTES

No channel, ephemeral. WP1972 - surface water, no channel.

Watercourse Fact Sheet: Not Fish Habitat

WATERCOURSE INFORMATION	
Watercourse ID:	**Watercourse NR-WC-200b83**
General Site Location:	Nuttby Grid A3
Watercourse Assessor(s):	IB, BC
Affiliation:	CBCL
Field Assessment Date:	26-Aug-22
UTM Coordinates:	WP2342
Datum:	UTM
SUBSTRATE	
Dominant	
Subdominant	
Subdominant	
Trace	
Trace	
Trace	
CHANNEL MEASUREMENTS	
Average Channel Width (m)	0.60
Average Wetted Width (m)	0.00
Average Bankful Depth (m)	0.00
Average Water Depth (m)	0.00
Average Pool Depth (m)	0.00
WATERCOURSE MORPHOLOGY	
Watercourse Type	Ephemeral with Intermittent Characteristics
Stage (season was very dry)	Mid

PHOTOS

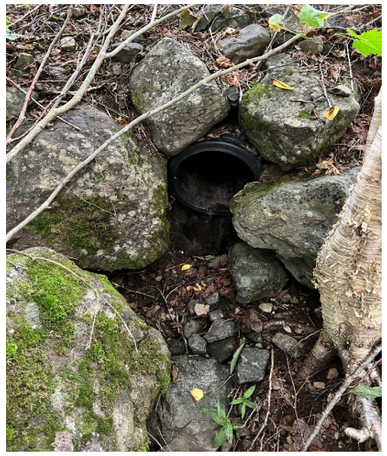

Photo 1: Culvert.

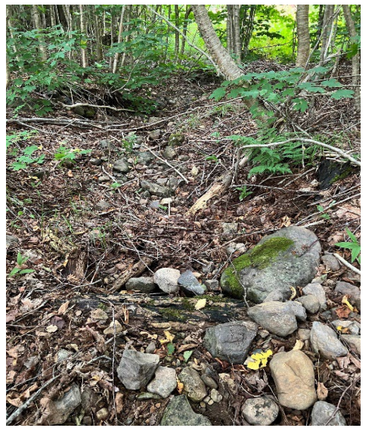

Photo 2: Dry channel.

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Vegetated Across	☐
Flows into Fish Habitat Downstream	☐
Underground Sections or Groundwater	☐
Surface Flow	☐
Wetland Corridor (Flow Between Wetlands)	☐
Barrier	☐
Artificial Channelization	☐
Culvert or Bridge	☑
Water Flowing over Road (no Culvert)	☐
No Defined Channel	☐
ADDITIONAL NOTES	

Watercourse Fact Sheet: Not Fish Habitat

WATERCOURSE INFORMATION	
Watercourse ID:	**Watercourse NR-WC-200b115**
General Site Location:	Nuttby Grid A1
Watercourse Assessor(s):	BC, AC
Affiliation:	CBCL
Field Assessment Date:	26-Aug-22
UTM Coordinates:	WP3361, 3366, 3368, 3369
Datum:	UTM
SUBSTRATE	
Dominant	Organics
Subdominant	Fines
Subdominant	
Trace	
Trace	
Trace	
CHANNEL MEASUREMENTS	
Average Channel Width (m)	0.20
Average Wetted Width (m)	0.03
Average Bankful Depth (m)	
Average Water Depth (m)	
Average Pool Depth (m)	0.00
WATERCOURSE MORPHOLOGY	
Watercourse Type	Ephemeral with Intermittent Characteristics
Stage (season was very dry)	Mid

PHOTOS

Photo 1: Looking up ditch channel.

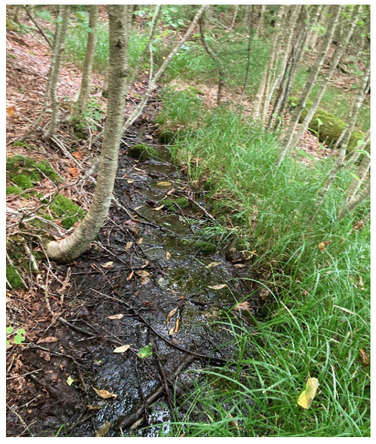

Photo 2: Looking down ditch channel.

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Vegetation Stage	Young Forest
IMPORTANT FEATURES OBSERVED	
Vegetated Across	☑
Flows into Fish Habitat Downstream	☐
Underground Sections or Groundwater	☐
Surface Flow	☑
Wetland Corridor (Flow Between Wetlands)	☐
Barrier	☐
Artificial Channelization	☐
Culvert or Bridge	☐
Water Flowing over Road (no Culvert)	☐
No Defined Channel	☑

ADDITIONAL NOTES

Ephemeral/Intermittent watercourse.

Watercourse Fact Sheet: Not Fish Habitat

WATERCOURSE INFORMATION	
Watercourse ID:	**Watercourse NR-WC-200b80**
General Site Location:	Nuttby Grid A3
Watercourse Assessor(s):	IB, BC
Affiliation:	CBCL
Field Assessment Date:	26-Aug-22
UTM Coordinates:	WP2349
Datum:	UTM
SUBSTRATE	
Dominant	Organics
Subdominant	Fines
Subdominant	Boulder
Trace	
Trace	
Trace	
CHANNEL MEASUREMENTS	
Average Channel Width (m)	2.00
Average Wetted Width (m)	0.00
Average Bankful Depth (m)	0.00
Average Water Depth (m)	0.00
Average Pool Depth (m)	0.00
WATERCOURSE MORPHOLOGY	
Watercourse Type	Ephemeral with Intermittent Characteristics
Stage (season was very dry)	Mid

PHOTOS

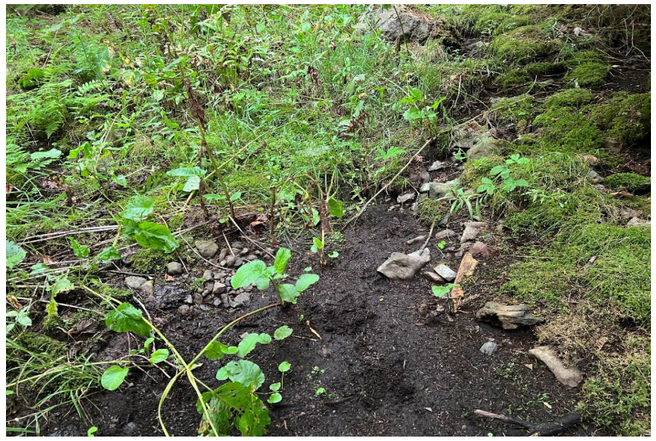

Photo 1: Habitat at WP2349.

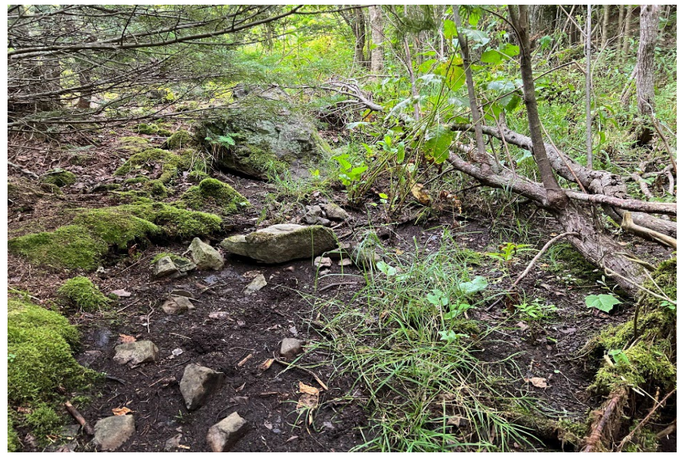

Photo 2: Another view of WP2349.

RIPARIAN VEGETATION SPECIES		
#	**Common Name**	**Scientific Name**
1		*#N/A*
2		*#N/A*
3		*#N/A*
4		*#N/A*
5		*#N/A*
6		*#N/A*
7		*#N/A*
8		*#N/A*
9		*#N/A*
10		*#N/A*

RIPARIAN INFORMATION	
Vegetation Stage	Mature Forest
IMPORTANT FEATURES OBSERVED	
Vegetated Across	☑
Flows into Fish Habitat Downstream	☐
Underground Sections or Groundwater	☐
Surface Flow	☐
Wetland Corridor (Flow Between Wetlands)	☐
Barrier	☐
Artificial Channelization	☐
Culvert or Bridge	☐
Water Flowing over Road (no Culvert)	☐
No Defined Channel	☑
ADDITIONAL NOTES	