

October 19, 2018

Mr. John Perry
Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, ME 04333-0041

**RE: New England Clean Energy Connect Project
Roaring Brook Mayfly and Northern Spring Salamander Survey Results**

Dear Mr. Perry:

In response to the Maine Department of Inland Fisheries and Wildlife (MDIFW) March 15, 2018 review comments for the proposed New England Clean Energy Connect (NECEC) Project, Central Maine Power Company (CMP) is submitting for your review the results of the stream surveys for both the Roaring Brook Mayfly (RBM; *Epeorus frisoni*) and the Northern Spring Salamander (NSS; *Gyrinophilus porphyriticus*) conducted by CMP's consultant, Burns & McDonnell, during the weeks of September 10-14 and September 17-21, 2018. The purpose of these surveys was to determine the presence or absence of RBM, a State-Threatened species, and the NSS, a species of special concern, in perennial waterbodies over 1,000 feet in elevation within CMP's corridor between Johnson Mountain Township and the Canadian border at Beattie Township.

Prior to these surveys, Burns & McDonnell applied for and received a Scientific Collection Permit (Attachment A) from the MDIFW. The perennial streams originally characterized by Burns & McDonnell during the week of July 9-13, 2018, and further reviewed and narrowed down by Beth Swartz and Marcia Siebenmann to those offering the highest potential for RBM were surveyed. In addition, 11 perennial streams over 1,000 feet in elevation were identified outside (within 100 feet) of the 300 foot wide corridor. CMP only had landowner permission to survey one of these streams, on property owned by The Nature Conservancy (the other landowners from which CMP requested rights of entry for surveys declined these requests).

As provided in Attachment B for RBM and Attachment C for NSS, a stream inspection record was completed for each waterbody surveyed. The inspection records include field data and photographs as supporting documentation for the absence/presence of RBM and NSS, as defined in the MDIFW's [Recommended Survey Protocol for the RBM](#) and the [NSS Survey Methods](#).

All *Epeorus spp.* (mayfly) specimens collected as part of this survey effort were sent to Dr. Steve Burian at Southern Connecticut State University for official RBM determination per the Recommended Survey Protocol for the RBM. The list and results of the eight vials of specimens collected are shown in the table below.

**NECEC Roaring Brook Mayfly Survey
2018 Determinations**

Township	Survey Date	Surveyors	Feature ID	Stream Name	Lat	Long	No. of Specimens	Determinations
Johnson Mtn Twp	12-Sep-2018	B. Swartz, M. Siebenmann, R. Sheridan	N/A revisit to known site	Trib to Mountain Brk	45.47357	-70.10749	3 ^a	<i>Epeorus cf. frisoni</i> (Burks); 1F <i>Epeorus fragilis</i> (Morgan); 1M, 1F
Johnson Mtn Twp	12-Sep-2018	B. Swartz, M. Siebenmann, R. Sheridan	PSTR-33-01	Mountain Brk, Seg. 1	45.47389	-70.10102	7 ^b	<i>Epeorus frisoni</i> (Burks); All
Johnson Mtn Twp	12-Sep-2018	B. Swartz, M. Siebenmann, R. Sheridan	PSTR-33-01	Mountain Brk, Seg. 2	45.47389	-70.10102	3 ^c	<i>Epeorus frisoni</i> (Burks); All
Appleton Twp	14-Sep-2018	M. Siebenmann, R. Sheridan	PSTR-15-06	Gold Brook, Seg. 2	45.46348	-70.42372	2 ^d	<i>Epeorus cf. fragilis</i> (Morgan); 1M,1F - Potential <i>E. fragilis</i> variant with morphology intermediate between <i>E. pleuralis</i> and <i>E. fragilis</i> , but seems to be more similar to <i>E. fragilis</i> than to <i>E. frisoni</i> .
Appleton Twp	17-Sep-2018	M. Siebenmann, R. Sheridan	PSTR-15-06	Gold Brook, Seg. 3	45.46348	-70.42372	1 ^e	<i>Epeorus frisoni</i> (Burks); 1F
Beattie Twp	18-Sep-2018	M. Siebenmann, R. Sheridan	PSTR-01-05	Mill Brook, Seg. 2, 3	45.50630	-70.69186	2 ^f	<i>Epeorus cf. fragilis</i> (Morgan); 1F <i>Epeorus pleuralis</i> (Morgan)?; 1M
Skinner Twp	19-Sep-2018	M. Siebenmann, R. Sheridan, J. Morin	PSTR-09-11	S Br Moose R, Seg. 1	45.46337	-70.55571	4 ^g	<i>Epeorus cf. frisoni</i> (Burks); 1M, 1F <i>Epeorus fragilis</i> (Morgan); 1M, 1F
Skinner Twp	19-Sep-2018	M. Siebenmann, R. Sheridan, J. Morin	PSTR-09-11	S Br Moose R, Seg. 1	45.46337	-70.55571	5 ^h	<i>Epeorus cf. frisoni</i> (Burks); 1M,1F <i>Epeorus fragilis</i> (Morgan); 3M

^a = 3F? (1 pre-emergent, 1 mature, 1 imm.)

^b = 5M (4 pre-emergent, 1 mature), 2F mature

^c = 3M? (2 pre-emergent, 1 mature)

^d = 1M pre-emergent, 1F pre-emergent

^e = 1F mature (damaged)

^f = 2F immature

^g = 2M mature; 2F mature

^h = 5 (all immature)

As noted in the determination table above, RBM was confirmed as present in Mountain Brook (Johnson Mtn Twp) and Gold Brook (Appleton Twp). Dr. Burian also identified individuals collected from both segments of the South Branch Moose River (Skinner Twp) as *Epeorus cf. frisoni*, which means these specimens agree more with the diagnostic characteristics of *E. frisoni* than any other *Epeorus* species, but he was unable to make a positive identification based on the material provided (e.g., immature life stage). However, for project review purposes, Beth Swartz (MDIFW Wildlife Biologist) has informed CMP that MDIFW will consider the South Branch Moose River as occupied by RBM until they can acquire further information indicating otherwise.

The streams where NSS were found during the two-week field surveys are listed in the table below. As recommended by Phillip deMaynadier (Ph.D/Wildlife Biologist, MDIFW), the Rare Animal forms to document these occurrences will be provided to MDIFW by Trevor Persons (MDIFW Maine Amphibian and Reptile Atlas Project (MARAP) Database Contract Specialist).

Streams with Documented Presence of Northern Spring Salamanders						
Township	Survey Date	Stream Name	Feature ID	Lat	Long	Surveyors
Skinner Twp	9/12/2018	Trib to Bog Brook	PSTR-11-01	45°27'47"N	70°30'45"W	T. Persons, J. Morin
Appleton Twp	9/13/2018	Trib to Bog Brook	PSTR-12-07	45°27'53"N	70°29'38"W	T. Persons, J. Morin
Appleton Twp	9/14/2018	Baker Stream	PSTR-17R-04	45°38'01"N	70°23'44"W	T. Persons, J. Morin
Appleton Twp	9/14/2018	Baker Stream	PSTR-17-07	45°28'02"N	70°23'43"W	T. Persons, J. Morin
Johnson Mtn Twp	9/17/2018	Mountain Brook	PSTR-33-01	45°28'25"N	70°06'03"W	T. Persons, J. Morin
Johnson Mtn Twp	9/17/2018	Mountain Brook	PSTR-EM-34-01	45°28'25"N	70°06'08"W	T. Persons, J. Morin
Johnson Mtn Twp	9/17/2018	Trib to Mountain Brook	PSTR-EM-34-02	45°28'22"N	70°06'11"W	T. Persons, J. Morin
Johnson Mtn Twp	9/18/2018	Trib. To East Branch Salmon Stream	PSTR-38-02	45°25'47"N	70°04'30"W	T. Persons, J. Morin
Johnson Mtn Twp	9/18/2018	Trib. To East Branch Salmon Stream	PSTR-38-06	45°25'46"N	70°04'38"W	T. Persons, J. Morin
Johnson Mtn Twp	9/18/2018	Trib. To East Branch Salmon Stream	PSTR-38-10	45°25'40"N	70°05'07"W	T. Persons, J. Morin
Johnson Mtn Twp	9/18/2018	Trib. To East Branch Salmon Stream	PSTR-38-15	45°25'37"N	70°05'22"W	T. Persons, J. Morin

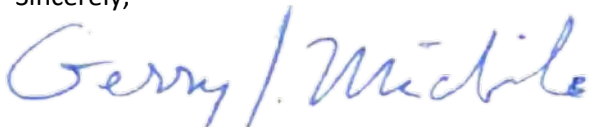
As noted above and provided below, 10 of 11 perennial streams located outside of the 300 foot corridor, but within 100 feet of that corridor, were not surveyed due to a lack of survey permission. CMP is proposing to assume presence of RBM and NSS in these streams. A 250-foot conservation management area buffer will be applied to each of the waterbodies with verified presence of RBM and NSS as well as those streams CMP was unable to survey.

CMP is proposing to calculate and apply the MDEP in-lieu fee calculation for significant wildlife habitat to develop an appropriate payment to the Maine Endangered and Nongame Wildlife Fund, as mitigation for unavoidable impacts in these areas.

Perennial Streams (>1,000' Elevation) Outside of the Project Corridor – Not Surveyed				
Township	Stream Name	Feature ID	Lat	Long
Appleton TWP	Trib. to Gold Brook	PSTR-16-07	45°27'47"N	70°24'52"W
Appleton TWP	Trib. to Gold Brook	PSTR-16-10	45°27'47"N	70°24'54"W
Appleton TWP	Trib. to Gold Brook	PSTR-16-15	45°27'45"N	70°24'37"W
Bradstreet TWP	Unnamed Stream	PSTR-24-02	45°29'50"N	70°15'40"W
Bradstreet TWP	Trib. to Horse Brook	PSTR-26-05	45°29'53"N	70°12'56"W
Bradstreet TWP	Trib to Piel Brook	PSTR-SRD1-02	45°30'47"N	70°09'36"W
Bradstreet TWP	Unnamed Stream	PSTR-SRD1-28-02	45°30'16"N	70°11'08"W
Bradstreet TWP	Unnamed Stream	PSTR-SRD1-28-05	45°30'19"N	70°11'12"W
Johnson Mtn TWP	Trib. to Cold Stream	PSTR-40-07	45°26'18"N	70°02'01"W
Johnson Mtn TWP	Trib. to Cold Stream	PSTR-41-04	45°26'21"N	70°01'59"W

If you have any questions regarding this submittal, or the results in the tables shown above, please contact Mark Goodwin at Burns & McDonnell at (207) 517-8482.

Sincerely,



Gerry J. Mirabile
Manager – Environmental Projects
Environmental Permitting
AVANGRID Networks, Inc.

Enclosures

cc: Robert Stratton, MDIFW; Beth Swartz, MDIFW; MDEP Service List, LUPC Service List
File: New England Clean Energy Connect

Attachment A
Scientific Collection Permit



STATE OF MAINE
DEPARTMENT OF INLAND FISHERIES AND WILDLIFE
Wildlife Division
650 State Street
Bangor, Maine 04401
Phone (207) 941-4466 Fax (207) 941-4450

Page 1 of 1

WILDLIFE SCIENTIFIC COLLECTION PERMIT

Permit #:
2018 - 554

ISSUED TO: Burns & McDonnell
27 Pearl Street
Portland, ME 04101

DATES:
EFFECTIVE 9/10/2018
EXPIRATION 10/15/2018

NAME AND PHONE NUMBER(S) OF PRINCIPAL OFFICER:
James P. Morin (207) 229-6752
Sr. Environmental Scientist / Forester (207) 808-4924

THIS PERMIT INVOLVES:
☐ Bird Banding
☒ Endangered or Threatened Species

LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED:
Beattie Twp, Johnson Mountain Twp, Hobbstown Twp, Appleton Twp, Skinner Twp, Bradstreet Twp

REGION(S):
☐ A ☐ B ☐ C
☐ D ☒ E ☐ F
☐ G

CONDITIONS OF PERMIT:

THIS PERMIT DOES NOT COVER SCIENTIFIC COLLECTION OF ANY FISH SPECIES.

Inland Fish: A separate permit for inland fish scientific collections can be found at <http://www.maine.gov/ifw/pdf/scientificcollectorspermit06.pdf> and faxed to the Fisheries Division at (207) 287-6395; or for more information, contact the Fisheries Division at (207) 287-5261.

Atlantic Salmon: If you are working on a watershed where Atlantic salmon are listed as Endangered or Threatened, you may need to acquire an additional permit from either National Marine Fisheries Service at (207) 866-7322, or U. S. Fish and Wildlife Service at (207) 827-5938.

Permittee shall comply with all applicable State and Federal laws, rules and regulations. Permittee is not authorized to take Federal trust species without the appropriate Federal permit. Permittee may not take species listed by the State of Maine as state endangered or threatened (http://www.maine.gov/ifw/wildlife/species/endangered_species/state_list.htm) or species listed as "special concern" (http://www.maine.gov/ifw/wildlife/species/endangered_species/specialconcern.htm) unless specifically permitted below.

Authorized to conduct surveys for Roaring Brook Mayfly (*Epeorus frisoni*) and Northern Spring Salamander (*Gyrinophilus porphyriticus*) in accordance with MDIFW recommended survey protocols, and to collect unlimited mayfly specimens necessary for confirmation of presence/absence of Roaring Brook Mayfly. All *Epeorus* spp. specimens will be submitted directly to MDIFW for identification and remain in possession of the Department.

SUBPERMITTEE(S) UNDER THIS PERMIT:

Marcia Siebenmann, Robert Sheridan, Jeremy Day, Trevor Persons

REPORTING REQUIREMENTS:

Annually by January 31 on forms provided by the Commissioner.

SIGNATURE OF AUTHORIZED AGENCY REPRESENTATIVE:

Nathan Webb

NAME AND TITLE:

Nathan Webb
Wildlife Research Supervisor

DATE:

9/6/2018

Attachment B
NECEC Roaring Brook Mayfly Field Survey Inspection Records



MAYFLY FIELD SURVEY



Stream Site:	PSTR-35-02	Inspection Begin	Inspection End
Stream Segment	0	9/10/2018, 4:17 PM	9/10/2018, 4:29 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool. Overcast. Breezy. 60s.	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,185.84		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	11.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	8	Canopy Cover
Stream Width (ft)	6	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	No
Mayfly Subimago	No
	Sand
	No

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	No
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	No
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	Yes
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	Not RBM habitat. Moss covered boulders. Minimal flow. Mixed forest predominantly soft
Photo Description	

QA/QC Fields	GlobalID	{6A76B382-CDAC-4D23-9057-1E80DA0F05E4}	
Attachment-ID	1608	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2421







MAYFLY FIELD SURVEY



Stream Site:	PSTR-38-10	Inspection Begin	Inspection End
Stream Segment	1	9/10/2018, 2:23 PM	9/10/2018, 2:37 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool. 60s. Breezy. Overcast	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,592.88		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	11.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	1.5	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
No	Yes
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	Yes
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
Yes	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Minimal flow. Standing pools with little connection. Some silt and POM. Empty trichoptera case
Photo Description	

QA/QC Fields	GlobalID	{COA6526B-9C47-4749-A57A-D11EA4EA63DA}			
Attachment-ID	1602	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2422







MAYFLY FIELD SURVEY



Stream Site:	PSTR-38-02	Inspection Begin	Inspection End
Stream Segment		9/10/2018, 12:37 PM	9/10/2018, 12:48 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool 60s clear	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,562.60		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	10.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	8	Canopy Cover
Stream Width (ft)	2.5	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Yes	Yes
Mayfly Nymph	Cobble
No	Yes
Mayfly Imago	Gravel
No	No
Mayfly Subimago	Sand
No	No

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	Yes
Heptageniidae	Tricoptera
No	Yes
Leptophlebiidae	Lepidoptera
Yes	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes
Collection Notes
No RBM. Stream mostly died. Standing pools of water.
Photo Description

QA/QC Fields	GlobalID	{47F6BC72-C046-4A58-A4CF-4B894CCF1A59}
Attachment-ID	1606	Photo#
	Photo1.jpg	GDB_ARCHIVE_OID
		2423







MAYFLY FIELD SURVEY



Stream Site:	PSTR-38-06	Inspection Begin	Inspection End
Stream Segment	3	9/10/2018, 1:15 PM	9/10/2018, 1:47 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool. Clear. 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,601.22		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	12.5	Aquatic Vegetation
Flow Rate	Moderate	Sparse
Water Depth (In.)	5	Canopy Cover
Stream Width (ft)	2.5	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		One toad.
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
Yes	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	No RBM. Moderate to low flow. Moderate flow between pools. Moss covered rocks. Silty in some locations. Lots of CPOM. 2-3 sweeps per segment.
Photo Description	

QA/QC Fields	GlobalID	{15F87B56-B9F3-450F-8A8D-ABA09F569CC4}			
Attachment-ID	1607	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2424







MAYFLY FIELD SURVEY



Stream Site:	PSTR-38-15	Inspection Begin	Inspection End
Stream Segment	0	9/10/2018, 3:11 PM	9/10/2018, 3:11 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool 60s. Overcast. Slightly breezy	
County	Somerset County	Upland Landuse Description	
State	Maine	Partial Forested	
Altitude (ft)	1,676.18		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient		No
Water Temp (C)		Aquatic Vegetation
Flow Rate		Moderate
Water Depth (In.)		Canopy Cover
Stream Width (ft)		Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data		Substrate Data
Mayflies Present	Abundance	Boulders
		No
Mayfly Nymph	No	Cobble
Mayfly Imago	No	No
Mayfly Subimago	No	Gravel
		No
		Sand
		No

Other Mayfly Data		Organism Data
Siphonuridae	No	Ephemeroptera
Baetidae	No	No
Metretopodidae	No	Odonata
Oligoneuriidae	No	No
Heptageniidae	No	Plecoptera
Leptophlebiidae	No	No
Potomanthidae	No	Hemiptera
Polymitarcyidae	No	No
Ephemeridae	No	Tricoptera
Ephemerellidae	No	No
Tricorythidae	No	Lepidoptera
Caenidae	No	No
Baetiscidae	No	Coleoptera
		No
		Megaloptera
		No
		Neuroptera
		No
		Diptera
		No
		Collembola
		No

Notes	
Collection Notes	Stream bed completely dry
Photo Description	No water. Completely dry

QA/QC Fields	GlobalID	{1F630F70-2BB8-4C11-B608-F46EBD0694A5}
Attachment-ID	1601	Photo#
	Photo1.jpg	GDB_ARCHIVE_OID
		2425







MAYFLY FIELD SURVEY



Stream Site:	PSTR-31-06	Inspection Begin	Inspection End
Stream Segment	2	9/11/2018, 11:20 AM	9/11/2018, 12:35 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Cool. Overnight rain. Overcast. 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,765.84		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	10.5	Aquatic Vegetation
Flow Rate	Moderate	Sparse
Water Depth (In.)	10	Canopy Cover
Stream Width (ft)	6	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Yes	Yes
Mayfly Nymph	Cobble
No	Yes
Mayfly Imago	Gravel
No	Yes
Mayfly Subimago	Sand
No	Yes

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
Yes	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Epeourus sp. imm. Present. Semi-closed canopy
Photo Description	

QA/QC Fields	GlobalID	{61366267-A4F3-40B0-A361-3170817A932A}			
Attachment-ID	1626	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2429





MAYFLY FIELD SURVEY



Stream Site:	PSTR-SR-29-05	Inspection Begin	Inspection End
Stream Segment	1	9/11/2018, 3:25 PM	9/11/2018, 3:45 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Bradstreet	Overcast. Warm. Mid to upper 60s. Rain the night prior into morning.	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,988.14		

Location Data			
Stream Description	Mixed Forest	Evidence of Disturbance	No
Stream Gradient	High	Aquatic Vegetation	Moderate
Water Temp (C)	12	Canopy Cover	Closed
Flow Rate	Slow	Forest Cover	Mixed Aged
Water Depth (In.)	6	Other Fauna	
Stream Width (ft)	4	Number of Samples	

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	Yes
		Cobble	Yes
Mayfly Nymph	No	Gravel	Yes
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	No	Odonata	No
Metretopodidae	No	Plecoptera	No
Oligoneuriidae	No	Hemiptera	Yes
Heptageniidae	No	Tricoptera	Yes
Leptophlebiidae	Yes	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	No
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	Very low flow. Photos taken from northern extent of corridor. Two sweeps taken. Not suitable habitat
Photo Description	

QA/QC Fields	GlobalID	{B1EA5583-F802-48EC-881E-B36792E99A53}	
Attachment-ID	1623	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2430









MAYFLY FIELD SURVEY



Stream Site:	PSTR-SRD1-28-04	Inspection Begin	Inspection End
Stream Segment	1	9/11/2018, 4:45 PM	9/11/2018, 5:20 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Bradstreet	65. Overcast. Rain the night prior into morning.	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,683.17		

Location Data	
Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	15
Flow Rate	Moderate
Water Depth (In.)	8
Stream Width (ft)	10
Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	
Number of Samples	

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	No
		Cobble	Yes
Mayfly Nymph	No	Gravel	Yes
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	No	Odonata	Yes
Metretopodidae	No	Plecoptera	Yes
Oligoneuriidae	No	Hemiptera	Yes
Heptageniidae	Yes	Tricoptera	Yes
Leptophlebiidae	Yes	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	Yes
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	
Photo Description	

QA/QC Fields	GlobalID	{5ECC0E86-A14A-49ED-8C26-357AFDEF6A74}	
Attachment-ID	1622	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2431







MAYFLY FIELD SURVEY



Stream Site:	PSTR-31-SRD2-01	Inspection Begin	Inspection End
Stream Segment	1	9/11/2018, 2:01 PM	9/11/2018, 2:35 PM
Inspector Name	Robert Sheridan	Weather_Conditions	Cool. Upper 60s. Rain the night prior into morning. Overcast
Town	Johnson Mountain	Upland Landuse Description	Forested
County	Somerset County		
State	Maine		
Altitude (ft)	1,734.95		

Location Data		
Stream Description	Softwood	Evidence of Disturbance
Stream Gradient	Low	No
Water Temp (C)	12.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	4	Canopy Cover
Stream Width (ft)	12	Open
		Forest Cover
		Even Aged
		Other Fauna
		Fish-sculpin
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	No
Mayfly Imago	Sand
No	No
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	Yes
Heptageniidae	Tricoptera
Yes	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
Yes	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Silty and algae covered rocks. Sculpin caught in segment 3. 2 sweeps per segment.
Photo Description	

QA/QC Fields	GlobalID	{852BBC6B-E087-45EB-B3A4-DDD135D494E2}	
Attachment-ID	1624	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2432







MAYFLY FIELD SURVEY



Stream Site:	PSTR-33-01	Inspection Begin	Inspection End
Stream Segment	3	9/12/2018, 11:19 AM	9/12/2018, 11:19 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Overcast. 60s.	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,243.37		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Low	No
Water Temp (C)	12	Aquatic Vegetation
Flow Rate	Moderate	Moderate
Water Depth (In.)	6	Canopy Cover
Stream Width (ft)	10	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Trout. Salamander (2line?)
		Number of Samples
		2

Mayfly Data		Substrate Data
Mayflies Present	Abundance	Boulders
Yes		Yes
Mayfly Nymph	Yes	Cobble
Mayfly Imago	No	Yes
Mayfly Subimago	No	Gravel
		Yes
		Sand
		Yes

Other Mayfly Data		Organism Data
Siphonuridae	No	Ephemeroptera
Baetidae	Yes	Yes
Metretopodidae	No	Odonata
Oligoneuriidae	No	Yes
Heptageniidae	Yes	Plecoptera
Leptophlebiidae	No	Yes
Potomanthidae	No	Hemiptera
Polymitarcyidae	No	Yes
Ephemeridae	No	Tricoptera
Ephemerellidae	No	Yes
Tricorythidae	No	Lepidoptera
Caenidae	No	No
Baetiscidae	No	Coleoptera
		No
		Megaloptera
		No
		Neuroptera
		No
		Diptera
		Yes
		Collembola
		No

Notes	
Collection Notes	Samples taken at segment 1 and 2. 7 individuals in vial collected in segment 1 all male. Collected 3 males in segment 2 and moved to rear in stream. Sufficient to skip segment 3 and 34-01
Photo Description	

QA/QC Fields	GlobalID	{A6402D70-89E5-4847-9A38-DAE9661D1FC9}
Attachment-ID	1644	Photo#
	Photo1.jpg	GDB_ARCHIVE_OID
		2471









MAYFLY FIELD SURVEY



Stream Site:	PSTR-EM-34-02	Inspection Begin	Inspection End
Stream Segment	1	9/12/2018, 1:45 PM	9/12/2018, 2:14 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Johnson Mountain	Overcast. 60s.	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,272.45		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	13.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	4	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
Yes	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Not RBM habitat. Little flow. Moss covered rocks in and out of water.
Photo Description	

QA/QC Fields	GlobalID	{BA08C2A6-4E00-4093-94EB-7D83FD03076D}	
Attachment-ID	1646	Photo#	Photo3.jpg
		GDB_ARCHIVE_OID	2472











MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-68	Inspection Begin	Inspection End
Stream Segment	0	9/13/2018, 2:39 PM	9/13/2018, 2:39 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)	2,070.80		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	Aquatic Vegetation
Water Temp (C)		Canopy Cover
Flow Rate		Forest Cover
Water Depth (In.)		Other Fauna
Stream Width (ft)	3	Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
No	Cobble
Mayfly Nymph	Gravel
Mayfly Imago	Sand
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	Completely dry. Boulders covered with moss. Not RBM habitat no samples taken. Stream passes under road south of ROW. No sweeps collected. Walked up about 125 feet from road, still dry
Photo Description	

QA/QC Fields	GlobalID	{E7CB8B64-7958-4008-B31F-2EFE16EB47D5}			
Attachment-ID	1683	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2502







MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-49	Inspection Begin	Inspection End
Stream Segment		9/13/2018, 2:08 PM	9/13/2018, 2:08 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)	1,956.99		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient		Aquatic Vegetation
Water Temp (C)		Canopy Cover
Flow Rate		Forest Cover
Water Depth (In.)		Other Fauna
Stream Width (ft)		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
Mayfly Nymph	Gravel
Mayfly Imago	Sand
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	Totally dry stream bed not RBM habitat. Road crosses stream in corridor.
Photo Description	

QA/QC Fields	GlobalID	{E192FD0A-9029-468E-9DF1-4AA9BA83FBFB}			
Attachment-ID	1671	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2503







MAYFLY FIELD SURVEY



Stream Site:	PSTR-18-14	Inspection Begin	Inspection End
Stream Segment		9/13/2018, 9:46 AM	9/13/2018, 9:52 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Clear sunny mid 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,802.73		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Low	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Dense
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	5	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	No
Mayfly Subimago	No
	Sand
	No

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	No
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	No
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	No
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	Lots of moss covered rocks silt and organic matter. Not suitable RBM habitat no sweeps taken
Photo Description	

QA/QC Fields	GlobalID	{DDE5B13D-D50D-41E5-A77F-BF39836E455F}	
Attachment-ID	1674	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2504







MAYFLY FIELD SURVEY



Stream Site:	PSTR-17R-04	Inspection Begin	Inspection End
Stream Segment	1	9/13/2018, 11:00 AM	9/13/2018, 11:27 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Clear sunny upper 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,666.08		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	Aquatic Vegetation
Water Temp (C)	12	Canopy Cover
Flow Rate	Fast	Forest Cover
Water Depth (In.)	4	Other Fauna
Stream Width (ft)	6	Number of Samples
		Yes
		Sparse
		Semi-open
		Mixed Aged

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
	Gravel
Mayfly Nymph	Sand
Mayfly Imago	No
Mayfly Subimago	Yes
No	Yes
No	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	Yes
Baetiscidae	No
No	
No	

Notes
Collection Notes
3 sweeps in a 10 foot section of nice ruffle area
Photo Description

QA/QC Fields	GlobalID	{D7E6A937-C653-4EEE-BF5A-C198C6B5F64E}			
Attachment-ID	1679	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2505







MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-47	Inspection Begin	Inspection End
Stream Segment		9/13/2018, 2:16 PM	9/13/2018, 2:17 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)	1,960.47		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	3	Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	No
	Cobble
	No
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	No swipes taken not RBM habitat. Silt. Flows into small boggy area about 75 feet south of road. Road crosses in corridor. Very minimal flow
Photo Description	

QA/QC Fields	GlobalID	{C397BE79-D455-4ED0-98BE-9ACD74B69E48}			
Attachment-ID	1672	Photo#	Photo2.jpg	GDB_ARCHIVE_OID	2506







MAYFLY FIELD SURVEY



Stream Site:	PSTR-18-06	Inspection Begin	Inspection End
Stream Segment	0	9/13/2018, 9:11 AM	9/13/2018, 9:11 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Cool clear sunny 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,808.55		

Location Data	
Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	2
Stream Width (ft)	1
Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	
Number of Samples	0

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	No
		Cobble	Yes
Mayfly Nymph	No	Gravel	No
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	No
Baetidae	No	Odonata	No
Metretopodidae	No	Plecoptera	No
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	No	Tricoptera	No
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	No	Diptera	No
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	No sweeps taken. Not RBM habitat. Pools of standing water no flow.
Photo Description	

QA/QC Fields	GlobalID	{995E5019-494B-4F75-9FE1-1F9A043D069A}
Attachment-ID	1678	Photo# Photo2.jpg
		GDB_ARCHIVE_OID 2507







MAYFLY FIELD SURVEY



Stream Site:	PSTR-18-05	Inspection Begin	Inspection End
Stream Segment	1	9/13/2018, 8:29 AM	9/13/2018, 8:44 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Sunny. Cool. 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Other	
Altitude (ft)	1,831.82		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Low	Aquatic Vegetation
Water Temp (C)	11.5	Canopy Cover
Flow Rate	Slow	Forest Cover
Water Depth (In.)	4	Other Fauna
Stream Width (ft)	4	Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
Mayfly Nymph	Gravel
Mayfly Imago	Sand
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	Very minimal flow. Not RBM habitat. One sweep taken. Moss covered rocks and silt. Clear cut area up-gradient adjacent to east
Photo Description	

QA/QC Fields	GlobalID	{85A1C219-BD9F-4C87-A81E-7905F4F80805}	
Attachment-ID	1670	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2508







MAYFLY FIELD SURVEY



Stream Site:	PSTR-17R-03	Inspection Begin	Inspection End
Stream Segment	0	9/13/2018, 10:51 AM	9/13/2018, 10:51 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Clear sunny. Upper 60s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,684.90		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	Aquatic Vegetation
Water Temp (C)		Canopy Cover
Flow Rate	Slow	Forest Cover
Water Depth (In.)	2	Other Fauna
Stream Width (ft)	3	Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
Mayfly Nymph	Gravel
Mayfly Imago	Sand
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	Very low flow. Not RBM habitat. Moss covered rocks. Flows into 17-07 under rock pond road. Only small section in ROW (15ft). No weeps collected
Photo Description	

QA/QC Fields	GlobalID	{75735841-28EB-45FD-8253-71587801A29E}	
Attachment-ID	1676	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2509







MAYFLY FIELD SURVEY



Stream Site:	PSTR-17-07	Inspection Begin	Inspection End
Stream Segment	3	9/13/2018, 11:32 AM	9/13/2018, 12:16 PM
Inspector Name	Robert Sheridan	Weather_Conditions	Clear sunny upper 60s
Town	T5 R7 BKP WKR	Upland Landuse Description	
County	Somerset County	Forested	
State	Maine		
Altitude (ft)	1,642.59		

Location Data

Stream Description	Mixed Forest	Evidence of Disturbance	Yes
Stream Gradient	Moderate	Aquatic Vegetation	Sparse
Water Temp (C)	12.5	Canopy Cover	Semi-open
Flow Rate	Fast	Forest Cover	Mixed Aged
Water Depth (In.)	4	Other Fauna	
Stream Width (ft)	8	Number of Samples	

Mayfly Data

Mayflies Present	Abundance
Mayfly Nymph	No
Mayfly Imago	No
Mayfly Subimago	No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Other Mayfly Data

Siphonuridae	No
Baetidae	Yes
Metretopodidae	No
Oligoneuriidae	No
Heptageniidae	Yes
Leptophlebiidae	No
Potomanthidae	No
Polymitarcyidae	No
Ephemeridae	No
Ephemerellidae	No
Tricorythidae	No
Caenidae	No
Baetiscidae	No

Organism Data

Ephemeroptera	Yes
Odonata	Yes
Plecoptera	Yes
Hemiptera	No
Tricoptera	Yes
Lepidoptera	No
Coleoptera	No
Megaloptera	No
Neuroptera	No
Diptera	Yes
Collembola	No

Notes

Collection Notes	Three segments. 3 sweeps in segment 1. 2 sweeps in segment 2. 1 sweep in segment 1. End of survey based on habitat and results.
Photo Description	

QA/QC Fields

GlobalID	{439E91C9-4F05-4D63-A507-780FF86BD918}				
Attachment-ID	1681	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2510







MAYFLY FIELD SURVEY



Stream Site:	ISTR-15-02	Inspection Begin	Inspection End
Stream Segment	0	9/13/2018, 1:04 PM	9/13/2018, 1:04 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Warm. Low 70s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,009.27		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Other
Water Depth (In.)	0	Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	No
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	No
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Not RBM habitat. No flow. Water in stagnant pools.
Photo Description	

QA/QC Fields	GlobalID	{21AF9249-E0EF-4300-884F-78F2111EC20A}	
Attachment-ID	1673	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2511







MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-34	Inspection Begin	Inspection End
Stream Segment	0	9/17/2018, 2:14 PM	9/17/2018, 2:14 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Warm. Upper 70s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,964.27		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	High	Aquatic Vegetation
Water Temp (C)		Canopy Cover
Flow Rate	Slow	Forest Cover
Water Depth (In.)	0	Other Fauna
Stream Width (ft)	0	Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
Mayfly Nymph	Gravel
Mayfly Imago	Sand
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	Totally dry stream bed. Not RBM habitat. Road crosses stream to the north in corridor
Photo Description	

QA/QC Fields	GlobalID	{72072AE4-96A3-4C9F-B5F5-8789511F8BE2}	
Attachment-ID	1741	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2561







MAYFLY FIELD SURVEY



Stream Site:	PSTR-12-07	Inspection Begin	Inspection End
Stream Segment	3	9/17/2018, 3:04 PM	9/17/2018, 3:45 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Warm. Upper 70s.	
County	Somerset County	Upland Landuse Description	
State	Maine	Clear Cut	
Altitude (ft)	1,908.74		

Location Data		
Stream Description	Softwood	Evidence of Disturbance
Stream Gradient	Moderate	Yes
Water Temp (C)	17.5	Aquatic Vegetation
Flow Rate	Moderate	Moderate
Water Depth (In.)	4	Canopy Cover
Stream Width (ft)	10	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	Gravel
Mayfly Subimago	Yes
	Sand
	No

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Yes
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	Yes
Potomanthidae	Hemiptera
Polymitarcyidae	Yes
Ephemeridae	Tricoptera
Ephemerellidae	Yes
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	3 sweeps done in segment 1, 0 sweeps in segment 2. 1 sweep in segment 3. Too warm for RBM. Adjacent to clear cut.
Photo Description	

QA/QC Fields	GlobalID	{A9281AE9-E2A2-4D57-87EC-097B4CFC2864}	
Attachment-ID	1748	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2562







MAYFLY FIELD SURVEY



Stream Site:	PSTR-16-01	Inspection Begin	Inspection End
Stream Segment	1	9/14/2018, 10:55 AM	9/14/2018, 11:35 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)			

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	Low	Aquatic Vegetation
Water Temp (C)	14	Canopy Cover
Flow Rate	Moderate	Forest Cover
Water Depth (In.)	8	Other Fauna
Stream Width (ft)	8	Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Cobble
	Gravel
Mayfly Nymph	Sand
Mayfly Imago	
Mayfly Subimago	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Odonata
Metretopodidae	Plecoptera
Oligoneuriidae	Hemiptera
Heptageniidae	Tricoptera
Leptophlebiidae	Lepidoptera
Potomanthidae	Coleoptera
Polymitarcyidae	Megaloptera
Ephemeridae	Neuroptera
Ephemerellidae	Diptera
Tricorythidae	Collembola
Caenidae	
Baetiscidae	

Notes	
Collection Notes	3 sweeps in first segment. 1 in second. Too open for RBM and higher water temp. No sweeps in segment 3.
Photo Description	

QA/QC Fields	GlobalID	{177E1717-4633-4D04-A90D-E9BC5659A5A4}	
Attachment-ID	1734	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2563







MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-33	Inspection Begin	Inspection End
Stream Segment	0	9/17/2018, 2:11 PM	9/17/2018, 2:11 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Warm. Uppers 70s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,963.61		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	3	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data		Substrate Data
Mayflies Present	Abundance	Boulders
		Yes
Mayfly Nymph	No	Cobble
Mayfly Imago	No	Yes
Mayfly Subimago	No	Gravel
		Yes
		Sand
		No

Other Mayfly Data		Organism Data
Siphonuridae	No	Ephemeroptera
Baetidae	No	No
Metretopodidae	No	Odonata
Oligoneuriidae	No	No
Heptageniidae	No	Plecoptera
Leptophlebiidae	No	No
Potomanthidae	No	Hemiptera
Polymitarcyidae	No	No
Ephemeridae	No	Tricoptera
Ephemerellidae	No	No
Tricorythidae	No	Lepidoptera
Caenidae	No	No
Baetiscidae	No	Coleoptera
		No
		Megaloptera
		No
		Neuroptera
		No
		Diptera
		No
		Collembola
		No

Notes	
Collection Notes	Little to no flow. Not RBM habitat.
Photo Description	

QA/QC Fields	GlobalID	{19560D2A-082A-4DB1-9986-4B987EC24E82}
Attachment-ID	1745	Photo#
	Photo1.jpg	GDB_ARCHIVE_OID
		2565







MAYFLY FIELD SURVEY



Stream Site:	PSTR-16-07	Inspection Begin	Inspection End
Stream Segment	1	9/14/2018, 11:41 AM	9/14/2018, 11:52 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)	1,706.10		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	13.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	3	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	No
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Only about 100 feet in corridor. One sweep taken. Silty pools. Not RBM habitat
Photo Description	

QA/QC Fields	GlobalID	{CC2A8E24-A1AE-4B8E-8050-25249737ED84}	
Attachment-ID	1747	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2566







MAYFLY FIELD SURVEY



Stream Site:	PSTR-15-06	Inspection Begin	Inspection End
Stream Segment	3	9/14/2018, 12:36 PM	9/14/2018, 3:32 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Upland Landuse Description	
County	Somerset County		
State	Maine		
Altitude (ft)	1,864.48		

Location Data			
Stream Description	Mixed Forest	Evidence of Disturbance	No
Stream Gradient	High	Aquatic Vegetation	Sparse
Water Temp (C)	13.5	Canopy Cover	Semi-open
Flow Rate	Fast	Forest Cover	Mixed Aged
Water Depth (In.)	8	Other Fauna	
Stream Width (ft)	9	Number of Samples	1

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	Yes
Yes		Cobble	Yes
Mayfly Nymph	Yes	Gravel	Yes
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	Yes	Odonata	No
Metretopodidae	No	Plecoptera	Yes
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	Yes	Tricoptera	Yes
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	Yes
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	Yes
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	2 individuals collected, 1 mature male 1 female preemergent from segment 2. 4 mature individuals released 3 female 1 male. 1 preemergent female released. Location with most individuals collected flagged with 3 pink flagging
Photo Description	

QA/QC Fields	GlobalID	{E56EDA07-5545-48E5-976E-CB5134A5B0AC}	
Attachment-ID	1749	Photo#	Photo3.jpg
		GDB_ARCHIVE_OID	2567















MAYFLY FIELD SURVEY



Stream Site:	PSTR-01-09	Inspection Begin	Inspection End
Stream Segment		9/18/2018, 1:41 PM	9/18/2018, 1:41 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Overcast. Passing showers. Mid 70s	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,153.69		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	1.5	Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	Gravel
Mayfly Subimago	Yes
	Sand
	Yes

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	No
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	No
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	No
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	Little to no flow. Small interconnected pools with very little flow Moss covered rock.not appropriate RBM havitat
Photo Description	Southern edge of corridor

QA/QC Fields	GlobalID	{39EB6DFF-AF16-4E00-8206-2FF54A843ABF}	
Attachment-ID	1774	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2575







MAYFLY FIELD SURVEY



Stream Site:	PSTR-00-10	Inspection Begin	Inspection End
Stream Segment	0	9/18/2018, 10:41 AM	9/18/2018, 10:41 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Overcast. Mid 70s	
County	Franklin County	Upland Landuse Description	
State	Maine	Partial Forested	
Altitude (ft)	2,080.33		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	3	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Very minimal flow. Mostly standing pools with silt. Walked upstream to corridor following dry stream bed. No sweeps. Not RBM habitat. Some forestry activity adjacent to stream
Photo Description	

QA/QC Fields	GlobalID	{40E8A9F3-F481-4811-9926-5FD7B6B3EBB6}
Attachment-ID	1782	Photo#
	Photo1.jpg	GDB_ARCHIVE_OID
		2577







MAYFLY FIELD SURVEY



Stream Site:	PSTR-01-05	Inspection Begin	Inspection End
Stream Segment	3	9/18/2018, 11:24 AM	9/18/2018, 12:36 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Overcast. Mid 70s.	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,950.24		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	14	Aquatic Vegetation
Flow Rate	Moderate	Moderate
Water Depth (In.)	8	Canopy Cover
Stream Width (ft)	15	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Yes	Yes
Mayfly Nymph	Cobble
Yes	Yes
Mayfly Imago	Gravel
No	Yes
Mayfly Subimago	Sand
No	Yes

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	Yes
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	Yes
Heptageniidae	Tricoptera
Yes	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
Yes	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	4 sweeps taken in segment 1. Epiorous species observed in segment 1. Likely not RBM, juvenile, between .125 and .25 inch in length. 2 immature individuals collected
Photo Description	

QA/QC Fields	GlobalID	{23F10357-1BDE-4A60-A51A-252E877D5737}			
Attachment-ID	1778	Photo#	Photo3.jpg	GDB_ARCHIVE_OID	2578







MAYFLY FIELD SURVEY



Stream Site:	PSTR-00-06	Inspection Begin	Inspection End
Stream Segment	1	9/18/2018, 9:30 AM	9/18/2018, 9:59 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Overcast. Low to mid 70s	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,127.71		

Location Data	
Stream Description	Hardwood
Stream Gradient	High
Water Temp (C)	13
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	4
Evidence of Disturbance	Yes
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Even Aged
Other Fauna	
Number of Samples	0

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	Yes
		Cobble	Yes
Mayfly Nymph	No	Gravel	Yes
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	Yes	Odonata	No
Metretopodidae	No	Plecoptera	Yes
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	Yes	Tricoptera	Yes
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	Yes
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	Moss covered boulders. 4 sweeps taken75 feet south of road crossing. Road crosses stream along northern edge of corridor
Photo Description	

QA/QC Fields	GlobalID	{04771AAE-F07D-4D40-9684-4BF483385721}			
Attachment-ID	1773	Photo#	Photo2.jpg	GDB_ARCHIVE_OID	2579







MAYFLY FIELD SURVEY



Stream Site:	PSTR-08-04	Inspection Begin	Inspection End
Stream Segment	0	9/19/2018, 1:03 PM	9/19/2018, 1:04 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Skinner	Overcast. Cool. Upper 50s. Passing showers earlier.	
County	Franklin County	Upland Landuse Description	
State	Maine	Other	
Altitude (ft)	2,100.39		

Location Data	
Stream Description	Softwood
Stream Gradient	Low
Water Temp (C)	13
Flow Rate	Slow
Water Depth (In.)	3
Stream Width (ft)	3
Evidence of Disturbance	No
Aquatic Vegetation	Other
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	
Number of Samples	0

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	No
		Cobble	Yes
Mayfly Nymph	No	Gravel	Yes
Mayfly Imago	No	Sand	No
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	No
Baetidae	No	Odonata	No
Metretopodidae	No	Plecoptera	No
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	No	Tricoptera	No
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	No	Diptera	No
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	No sweeps taken. Not RBM habitat. Adjacent to clearcut area. Silt throughout stream. Good amount of leaf pack. Lots of deadfall. Emergent vegetation on sides of stream
Photo Description	

QA/QC Fields	GlobalID	{41B0FC58-DE2B-406F-81D0-F9F1489C6071}	
Attachment-ID	1798	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2580







MAYFLY FIELD SURVEY



Stream Site:	PSTR-05-01	Inspection Begin	Inspection End
Stream Segment	1	9/19/2018, 11:13 AM	9/19/2018, 11:24 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Skinner	Cool mid 50s overcast passing showers.	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,016.50		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)	9	Aquatic Vegetation
Flow Rate	Fast	Moderate
Water Depth (In.)	6	Canopy Cover
Stream Width (ft)	6	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	No
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
Yes	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Boulders covered in moss. Silt in pools. Lots of leaf pack.
Photo Description	

QA/QC Fields	GlobalID	{CFBEC137-6FD0-4F7D-90C3-8FBF881D8C26}			
Attachment-ID	1784	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2581









MAYFLY FIELD SURVEY



Stream Site:	PSTR-09-11	Inspection Begin	Inspection End
Stream Segment	1	9/19/2018, 3:00 PM	9/19/2018, 3:41 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Skinner	Cool overcast mid 50s passing showers this morningg	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,838.99		

Location Data			
Stream Description	Mixed Forest	Evidence of Disturbance	No
Stream Gradient	Low	Aquatic Vegetation	Sparse
Water Temp (C)	14	Canopy Cover	Open
Flow Rate	Fast	Forest Cover	Mixed Aged
Water Depth (In.)	18	Other Fauna	
Stream Width (ft)	25	Number of Samples	1

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	Yes
		Cobble	Yes
Mayfly Nymph	Yes	Gravel	No
Mayfly Imago	No	Sand	No
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	Yes	Odonata	No
Metretopodidae	No	Plecoptera	Yes
Oligoneuriidae	No	Hemiptera	Yes
Heptageniidae	Yes	Tricoptera	Yes
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	Yes
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	Epiorous found in a number of locations in segment 1. Total of 10 sweeps collected.
Photo Description	Locations of epiorous found

QA/QC Fields	GlobalID	{4103A822-E6F8-46C3-B357-FBA88876588F}	
Attachment-ID	1790	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2582









MAYFLY FIELD SURVEY



Stream Site:	PSTR-LT-1	Inspection Begin	Inspection End
Stream Segment	1	9/19/2018, 9:30 AM	9/19/2018, 9:50 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Overcast light rain. Mid 50s	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,833.69		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)	10	Aquatic Vegetation
Flow Rate	Slow	Dense
Water Depth (In.)	4	Canopy Cover
Stream Width (ft)	3	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	No
Mayfly Subimago	Yes

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	Yes
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	Yes
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	Yes
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	Lots of moss on rocks both above and submerged. silty. Edges of stream heavy with vegetation
Photo Description	

QA/QC Fields	GlobalID	{8D811546-EAF8-4977-BF7E-3AA89BA1DFD8}			
Attachment-ID	1787	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2583







MAYFLY FIELD SURVEY



Stream Site:	PSTR-05-02	Inspection Begin	Inspection End
Stream Segment	1	9/19/2018, 10:50 AM	9/19/2018, 11:03 AM
Inspector Name	Robert Sheridan	Weather_Conditions	Overcast. Very light showers. Mid 50s
Town	Skinner	Upland Landuse Description	Forested
County	Franklin County		
State	Maine		
Altitude (ft)	2,012.97		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)	11	Aquatic Vegetation
Flow Rate	Moderate	Moderate
Water Depth (In.)	2	Canopy Cover
Stream Width (ft)	7	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	Yes
Leptophlebiidae	Lepidoptera
Yes	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Moss covered boulders. Some silt in pool areas. Lots of leaf pack
Photo Description	

QA/QC Fields	GlobalID	{5D647DE8-E2BA-402A-90ED-C5B3F8F9C304}	
Attachment-ID	1785	Photo#	Photo1.jpg
		GDB_ARCHIVE_OID	2584







MAYFLY FIELD SURVEY



Stream Site:	PSTR-07-02	Inspection Begin	Inspection End
Stream Segment	0	9/19/2018, 12:27 PM	9/19/2018, 12:27 PM
Inspector Name	Robert Sheridan	Weather_Conditions	Overcast mid 50s passing showers earlier in the day
Town	Skinner	Upland Landuse Description	Forested
County	Franklin County		
State	Maine		
Altitude (ft)	2,122.95		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Low	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Sparse
Water Depth (In.)	3	Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	No
	Cobble
	Yes
Mayfly Nymph	Gravel
No	Yes
Mayfly Imago	Sand
No	Yes
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	Very little flow. Standing pools to a depth of about 8 inches with silt. Good amount of deadfall. Bear bait barrel nearby
Photo Description	

QA/QC Fields	GlobalID	{29B58AC4-C7B7-42A2-9174-9B50425111C4}	
Attachment-ID	1799	Photo#	Photo2.jpg
		GDB_ARCHIVE_OID	2585







MAYFLY FIELD SURVEY



Stream Site:	ISTR-08-01	Inspection Begin	Inspection End
Stream Segment	0	9/19/2018, 1:22 PM	9/19/2018, 1:22 PM
Inspector Name	Robert Sheridan	Weather_Conditions	Cool overcast mid 50s passing showers earlier
Town	Skinner	Upland Landuse Description	Forested
County	Franklin County		
State	Maine		
Altitude (ft)	2,028.37		

Location Data		
Stream Description	Softwood	Evidence of Disturbance
Stream Gradient	Low	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	18	Canopy Cover
Stream Width (ft)	2.5	Semi-open
		Forest Cover
		Even Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	No
	Cobble
	Yes
Mayfly Nymph	Gravel
No	No
Mayfly Imago	Sand
No	No
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	No
Baetidae	Odonata
No	No
Metretopodidae	Plecoptera
No	No
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
No	No
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
No	No
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes
Collection Notes
Silt covered cobbles. Very low flow. Not RBM habitat
Photo Description

QA/QC Fields	GlobalID	{2C703BC1-2102-4C8A-9AD9-B1CAC464C7AF}
Attachment-ID	1795	Photo#
	Photo2.jpg	GDB_ARCHIVE_OID
		2586







MAYFLY FIELD SURVEY



Stream Site:	PSTR-11-01	Inspection Begin	Inspection End
Stream Segment	3	9/20/2018, 10:25 AM	9/20/2018, 11:29 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Skinner	Cool mid 50s showers overnight prior	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,803.76		

Location Data			
Stream Description	Mixed Forest	Evidence of Disturbance	Yes
Stream Gradient	High	Aquatic Vegetation	Sparse
Water Temp (C)	12	Canopy Cover	Semi-open
Flow Rate	Moderate	Forest Cover	Mixed Aged
Water Depth (In.)	6	Other Fauna	
Stream Width (ft)	10	Number of Samples	

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	Yes
		Cobble	Yes
Mayfly Nymph	Yes	Gravel	Yes
Mayfly Imago	No	Sand	Yes
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	Yes
Baetidae	Yes	Odonata	Yes
Metretopodidae	No	Plecoptera	Yes
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	Yes	Tricoptera	Yes
Leptophlebiidae	Yes	Lepidoptera	No
Potomanthidae	No	Coleoptera	Yes
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	Yes	Diptera	No
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	1 immature epiorous observed in segment 1. 4 sweeps in segment 1. 4 sweeps in segment 2. 2 sweeps in segment 3. Moss covered rocks. Moderate to high flow 8-12 feet wide.
Photo Description	

QA/QC Fields	GlobalID	{EE62FC80-0C37-4A1C-97D1-755BB7BD02BB}	
Attachment-ID	1803	Photo#	Photo4.jpg
		GDB_ARCHIVE_OID	2592









MAYFLY FIELD SURVEY



Stream Site:	PSTR-09-06	Inspection Begin	Inspection End
Stream Segment	1	9/20/2018, 9:21 AM	9/20/2018, 9:28 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Skinner	Overcast low 50s rain overnight	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	2,050.74		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)	11.5	Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)	3	Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data		Substrate Data
Mayflies Present	Abundance	Boulders
		No
Mayfly Nymph	No	Cobble
Mayfly Imago	No	Yes
Mayfly Subimago	No	Gravel
		Yes
		Sand
		Yes

Other Mayfly Data		Organism Data
Siphonuridae	No	Ephemeroptera
Baetidae	No	No
Metretopodidae	No	Odonata
Oligoneuriidae	No	No
Heptageniidae	No	Plecoptera
Leptophlebiidae	No	Yes
Potomanthidae	No	Hemiptera
Polymitarcyidae	No	No
Ephemeridae	No	Tricoptera
Ephemerellidae	No	Yes
Tricorythidae	No	Lepidoptera
Caenidae	No	No
Baetiscidae	No	Coleoptera
		No
		Megaloptera
		No
		Neuroptera
		No
		Diptera
		Yes
		Collembola
		No

Notes	
Collection Notes	Little flow. Not RBM habitat. 1 sweep taken. Few boulders. Some silt.
Photo Description	

QA/QC Fields	GlobalID	{C1B29A0E-D8D4-4EFD-A8EE-DB6CC5E76CA4}
Attachment-ID	1806	Photo#
	Photo3.jpg	GDB_ARCHIVE_OID
		2593









MAYFLY FIELD SURVEY



Stream Site:	PSTR-RR1-3	Inspection Begin	Inspection End
Stream Segment	0	9/20/2018, 12:34 PM	9/20/2018, 12:35 PM
Inspector Name	Robert Sheridan	Weather_Conditions	Overcast low 50s showers overnight prior
Town	Appleton	Upland Landuse Description	Clear Cut
County	Somerset County		
State	Maine		
Altitude (ft)			

Location Data	
Stream Description	Hardwood
Stream Gradient	High
Water Temp (C)	12.5
Flow Rate	Fast
Water Depth (In.)	2
Stream Width (ft)	3
Evidence of Disturbance	Yes
Aquatic Vegetation	Moderate
Canopy Cover	Open
Forest Cover	Even Aged
Other Fauna	
Number of Samples	0

Mayfly Data		Substrate Data	
Mayflies Present	Abundance	Boulders	No
		Cobble	Yes
Mayfly Nymph	No	Gravel	Yes
Mayfly Imago	No	Sand	No
Mayfly Subimago	No		

Other Mayfly Data		Organism Data	
Siphonuridae	No	Ephemeroptera	No
Baetidae	No	Odonata	No
Metretopodidae	No	Plecoptera	No
Oligoneuriidae	No	Hemiptera	No
Heptageniidae	No	Tricoptera	No
Leptophlebiidae	No	Lepidoptera	No
Potomanthidae	No	Coleoptera	No
Polymitarcyidae	No	Megaloptera	No
Ephemeridae	No	Neuroptera	No
Ephemerellidae	No	Diptera	No
Tricorythidae	No	Collembola	No
Caenidae	No		
Baetiscidae	No		

Notes	
Collection Notes	Stream cuts thru a clear cut. Gradient very high in southend more moderate toward the north. No samples taken. Not RBM habitat. Some silt. Some emergent vegetation along sides and moss on exposed rock.
Photo Description	

QA/QC Fields	GlobalID	{62586883-8E86-4547-8694-55A98E844738}			
Attachment-ID	1804	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2594





MAYFLY FIELD SURVEY



Stream Site:	PSTR-21-01	Inspection Begin	Inspection End
Stream Segment	0	9/21/2018, 9:04 AM	9/21/2018, 9:04 AM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	T5 R7 BKP WKR	Overcast low 50s. Foggy. Change of showers later in the day	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)			

Location Data		
Stream Description	Softwood	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)		Canopy Cover
Stream Width (ft)	2	Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	No
Mayfly Subimago	Sand
	Yes

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	No
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	No
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	No
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	No flow. Mostly dry streambed with few stagnant pools. No samples taken. Not RBM habitat. PSTR-21-01.
Photo Description	

QA/QC Fields	GlobalID	{019F60C0-0D7D-470F-AC7A-59DB9314B6EB}			
Attachment-ID	1818	Photo#	Photo8.jpg	GDB_ARCHIVE_OID	2597











MAYFLY FIELD SURVEY



Stream Site:	PSTR-14-24	Inspection Begin	Inspection End
Stream Segment	0	9/17/2018, 1:54 PM	9/17/2018, 1:54 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Appleton	Warm. Upper 70s	
County	Somerset County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,977.84		

Location Data		
Stream Description	Hardwood	Evidence of Disturbance
Stream Gradient	High	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Slow	Moderate
Water Depth (In.)		Canopy Cover
Stream Width (ft)		Closed
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples
		0

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
Mayfly Nymph	Yes
Mayfly Imago	No
Mayfly Subimago	No
	Sand
	No

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
Baetidae	No
Metretopodidae	Odonata
Oligoneuriidae	No
Heptageniidae	Plecoptera
Leptophlebiidae	No
Potomanthidae	Hemiptera
Polymitarcyidae	No
Ephemeridae	Tricoptera
Ephemerellidae	No
Tricorythidae	Lepidoptera
Caenidae	No
Baetiscidae	Coleoptera
	No
	Megaloptera
	No
	Neuroptera
	No
	Diptera
	No
	Collembola
	No

Notes	
Collection Notes	Little to no flow. No sample taken. Stream runs dry after about 125 feet in corridor. Not RBM habitat
Photo Description	

QA/QC Fields	GlobalID
Attachment-ID	Photo#
	GDB_ARCHIVE_OID







MAYFLY FIELD SURVEY



Stream Site:	PSTR-MS-03-2	Inspection Begin	Inspection End
Stream Segment	3	9/18/2018, 3:00 PM	9/18/2018, 4:06 PM
Inspector Name	Robert Sheridan	Weather_Conditions	
Town	Beattie	Passing showers. Overcast. Mid 70s	
County	Franklin County	Upland Landuse Description	
State	Maine	Forested	
Altitude (ft)	1,741.69		

Location Data		
Stream Description	Mixed Forest	Evidence of Disturbance
Stream Gradient	Moderate	No
Water Temp (C)		Aquatic Vegetation
Flow Rate	Fast	Sparse
Water Depth (In.)	8	Canopy Cover
Stream Width (ft)	10	Semi-open
		Forest Cover
		Mixed Aged
		Other Fauna
		Number of Samples

Mayfly Data	Substrate Data
Mayflies Present	Boulders
Abundance	Yes
	Cobble
	Yes
Mayfly Nymph	Gravel
No	No
Mayfly Imago	Sand
No	No
Mayfly Subimago	
No	

Other Mayfly Data	Organism Data
Siphonuridae	Ephemeroptera
No	Yes
Baetidae	Odonata
Yes	No
Metretopodidae	Plecoptera
No	Yes
Oligoneuriidae	Hemiptera
No	No
Heptageniidae	Tricoptera
Yes	Yes
Leptophlebiidae	Lepidoptera
No	No
Potomanthidae	Coleoptera
No	No
Polymitarcyidae	Megaloptera
No	No
Ephemeridae	Neuroptera
No	No
Ephemerellidae	Diptera
Yes	Yes
Tricorythidae	Collembola
No	No
Caenidae	
No	
Baetiscidae	
No	

Notes	
Collection Notes	1 immature epiorous observed, immature, likely not RMB. 4 sweeps done in segment 1,3 in segment 2, 3 in segment 3
Photo Description	

QA/QC Fields	GlobalID
Attachment-ID	Photo#
	GDB_ARCHIVE_OID





Attachment C
NECEC Northern Spring Salamander Field Survey Inspection Records



SALAMANDER SURVEY



Stream Site: PSTR-00-06

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/10/2018, 2:20 PM

Inspection End
9/10/2018, 2:20 PM

Weather_Conditions
p sunny, hazy

Upland Landuse Description
Partial Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	lamander (no spring salamand

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes

Photo Description

QA/QC Fields

GlobalID {3CBB9BB4-8933-4318-AECB-D13076732368}

Attachment-ID 1611 Photo# attachment1.jpg GDB_ARCHIVE_OID 2426







SALAMANDER SURVEY



Stream Site: PSTR-01-05

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/10/2018, 4:03 PM

Inspection End
9/10/2018, 4:35 PM

Weather_Conditions
P Sunny, overcast, no wind

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Fast
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes Two Line Salamander

Photo Description

QA/QC Fields

GlobalID {C5671D83-2FD0-4D63-B20E-E87F9E3D0AD4}

Attachment-ID	1618	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2427
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site: PSTR-00-10

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/10/2018, 2:53 PM

Inspection End
9/10/2018, 3:31 PM

Weather_Conditions
overcast

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
Dusky & Two Line Sala

Photo Description

QA/QC Fields

GlobalID {A3EEEEB59-E011-4EBA-8550-931F05ED8CEC}

Attachment-ID 1612 Photo# attachment1.jpg GDB_ARCHIVE_OID 2428







SALAMANDER SURVEY



Stream Site: PSTR-LT-1

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/11/2018, 2:18 PM

Inspection End
9/11/2018, 2:28 PM

Weather_Conditions

Overcast

Upland Landuse Description

Partial Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	No
Sand	No

Notes

Collection Notes some peat muck, no salamanders abserved

Photo Description

QA/QC Fields

GlobalID {2D1B933A-BAA2-49FA-824F-8FF7AEB98859}

Attachment-ID	1633	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2461
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-05-02

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/11/2018, 3:08 PM

Inspection End
9/11/2018, 3:38 PM

Weather_Conditions
overcast

Upland Landuse Description

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes only two line salamanders

Photo Description

QA/QC Fields

GlobalID {B90D0067-DEB1-46FF-87D0-E61863C4994E}

Attachment-ID	1630	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2462
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site:

PSTR-05-01

Stream Segment

Inspector Name

James Morin

Town

Skinner

County

Franklin County

State

Maine

Altitude (ft)

Inspection Begin

9/11/2018, 3:48 PM

Inspection End

9/11/2018, 3:58 PM

Weather_Conditions

Overcast

Upland Landuse Description

Forested

Location Data

Stream Description

Mixed Forest

Stream Gradient

Moderate

Water Temp (C)

Flow Rate

Moderate

Water Depth (In.)

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Moderate

Canopy Cover

Semi-open

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

Yes

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

some peat muck, not ideal Spring Salamander habitat

Photo Description

QA/QC Fields	GlobalID	{0E366212-7446-4C29-A0C9-7179A58283CB}			
Attachment-ID	1638	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2463







SALAMANDER SURVEY



Stream Site:

ISTR-15-02

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Franklin County

State

Maine

Altitude (ft)

Inspection Begin

9/11/2018, 5:05 PM

Inspection End

9/11/2018, 5:26 PM

Weather_Conditions

overcast

Upland Landuse Description

Forested

Location Data

Stream Description

Mixed Forest

Stream Gradient

Moderate

Water Temp (C)

Flow Rate

Slow

Water Depth (In.)

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Semi-open

Forest Cover

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

Yes

Cobble

Yes

Gravel

No

Sand

No

Notes

Collection Notes

silt, some peak muck, not ideal for Spring Salamanders

Photo Description

QA/QC Fields

GlobalID {9F9644CB-E3CC-4AC0-9D66-724B2AD489E9}

Attachment-ID 1631 Photo# attachment1.jpg GDB_ARCHIVE_OID 2464







SALAMANDER SURVEY



Stream Site: PSTR-MS-03-2

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/11/2018, 1:02 PM

Inspection End
9/11/2018, 1:41 PM

Weather_Conditions

P Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Fast
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Even Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
Several Two Line Salamanders found. Good habitat.

Photo Description

QA/QC Fields

GlobalID {71C00D57-EA13-4131-A5F5-212E15DD0696}

Attachment-ID	1634	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2465
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-01-09

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/11/2018, 11:47 AM

Inspection End
9/11/2018, 12:19 PM

Weather_Conditions
Morning rain, cloudy

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	High
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	
Stream Width (ft)	1-2'

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
No salamanders noted. Marginal habitat. Some silt and clay in the substrate

Photo Description

QA/QC Fields

GlobalID {69697397-C5F4-4465-9514-A7FB20EBF029}

Attachment-ID	1639	Photo#	Photo1.jpg	GDB_ARCHIVE_OID	2470
---------------	------	--------	------------	-----------------	------







SALAMANDER SURVEY



Stream Site: ISTR-08-01

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 10:34 AM

Inspection End
9/12/2018, 10:48 AM

Weather_Conditions

Overcast

Upland Landuse Description

Forested

Location Data

Stream Description	Softwood
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	3
Stream Width (ft)	3

Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
some peak muck bottom, silty, not ideal Spring Salamander habitat. old beaver dams above and below.

Photo Description

QA/QC Fields

GlobalID {28FB884E-C660-4774-B164-DF09423B1B82}

Attachment-ID	1659	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2486
---------------	------	--------	-----------------	-----------------	------









SALAMANDER SURVEY



Stream Site: PSTR-09-06

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 11:46 AM

Inspection End
9/12/2018, 12:06 PM

Weather_Conditions
Overcast

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	2
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes 1 Two Line Salamander, otherwise not ideal Spring Salamander habitat. Sandy, silty component to the substrate.

Photo Description

QA/QC Fields

GlobalID {EDA266AB-A157-4CE8-9438-6EAB6EA69A6E}

Attachment-ID 1652 Photo# attachment1.jpg GDB_ARCHIVE_OID 2487







SALAMANDER SURVEY



Stream Site: PSTR-08-04

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 9:52 AM

Inspection End
9/12/2018, 10:20 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	13
Flow Rate	Moderate
Water Depth (In.)	3
Stream Width (ft)	3

Evidence of Disturbance	Yes
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
Adjacent to old clearcut, not ideal spring salamander habitat, some silt in the substrate

Photo Description

QA/QC Fields

GlobalID {CA6E0D34-0569-41CC-9F2E-E916177E3431}

Attachment-ID 1651 Photo# attachment2.jpg GDB_ARCHIVE_OID 2488







SALAMANDER SURVEY



Stream Site: PSTR-09-11

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 12:45 PM

Inspection End
9/12/2018, 12:57 PM

Weather_Conditions

Overcast

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Fast
Water Depth (In.)	14
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes So. Branch Moose River (?) No Spring Salamanders found. Good Brook Trout habitat.

Photo Description

QA/QC Fields

GlobalID {2623CFD9-F4CA-4CF9-A3F4-6EB045874D36}

Attachment-ID	1664	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2489
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-RR1-3

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 2:47 PM

Inspection End
9/12/2018, 3:18 PM

Weather_Conditions
Overcast, p. cloudy, p. sunny

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	12.5
Flow Rate	Moderate
Water Depth (In.)	3
Stream Width (ft)	4

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
Two line salamanders found, some good cobble over gravel pockets, some silt in the substrate, adjacent to clearcut south end, high gradient upstream south end.

Photo Description

QA/QC Fields

GlobalID {44C6737F-0ECC-4457-B44C-BCFA13579B8F}

Attachment-ID 1661 Photo# attachment2.jpg GDB_ARCHIVE_OID 2490







SALAMANDER SURVEY



Stream Site: PSTR-15-06

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 4:40 PM

Inspection End
9/12/2018, 5:27 PM

Weather_Conditions

P Sunny, P Cloudy

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	High
Water Temp (C)	
Flow Rate	Fast
Water Depth (In.)	6
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
Good Spring Salamander habitat. Red back & Two line salamanders

Photo Description

QA/QC Fields

GlobalID {8F84FC29-5591-4070-A2A3-6110B6D6CF1E}

Attachment-ID	1653	Photo#	attachment3.jpg	GDB_ARCHIVE_OID	2491
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-11-01

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 1:32 PM

Inspection End
9/12/2018, 2:06 PM

Weather_Conditions

Overcast

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	12
Flow Rate	Fast
Water Depth (In.)	6
Stream Width (ft)	12

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes Spring Salamander Present. 1,940' elevation, good cobble over gravel habitat

Photo Description

QA/QC Fields

GlobalID {BEA50E6F-3D31-4F76-B856-11FFF1050D19}

Attachment-ID	1649	Photo#	attachment3.jpg	GDB_ARCHIVE_OID	2492
---------------	------	--------	-----------------	-----------------	------









SALAMANDER SURVEY



Stream Site: PSTR-07-02

Stream Segment

Inspector Name James Morin

Town Skinner

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/12/2018, 8:52 AM

Inspection End
9/12/2018, 9:13 AM

Weather_Conditions

Overcast

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	3
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes mucky component, no salamanders, not ideal salamander habitat

Photo Description

QA/QC Fields

GlobalID {0D0DF41B-8F9E-4117-8067-557D9E06F1A2}

Attachment-ID	1655	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2493
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site:

PSTR-14-34

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 12:51 PM

Inspection End

9/13/2018, 1:01 PM

Weather_Conditions

Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

Moderate

Water Temp (C)

Flow Rate

Slow

Water Depth (In.)

1

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Closed

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

Yes

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

some organic (silt) to the substrate. low to no flow. water in pools in pockets. Red back salamander observed.

Photo Description

QA/QC Fields

GlobalID {64CCAD7F-8C13-4FA1-B758-6B6D3A90567E}

Attachment-ID 1704 Photo# attachment2.jpg GDB_ARCHIVE_OID 2512







SALAMANDER SURVEY



Stream Site:

PSTR-14-24

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 1:16 PM

Inspection End

9/13/2018, 1:29 PM

Weather_Conditions

Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

High

Water Temp (C)

Flow Rate

Slow

Water Depth (In.)

0

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Closed

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

No

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

little to no flow in stream. some organic in the substrate. Two line and Red Back salamanders observed. with water it could be good habitat for Spring Salamander.

Photo Description

QA/QC Fields

GlobalID {E11D5B9F-46F4-4B57-8061-A7CE1F140264}

Attachment-ID 1699 Photo# attachment2.jpg GDB_ARCHIVE_OID 2513







SALAMANDER SURVEY



Stream Site:

PSTR-14-47

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 8:34 AM

Inspection End

9/13/2018, 8:48 AM

Weather_Conditions

M Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

Moderate

Water Temp (C)

Flow Rate

Moderate

Water Depth (In.)

3

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Closed

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

No

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

not ideal Spring salamander habitat. no salamanders observed. some silt and peak muck in the substrate.

Photo Description

QA/QC Fields

GlobalID {09545FB0-05E2-46F6-B54F-A7370514553B}

Attachment-ID 1706 Photo# attachment2.jpg GDB_ARCHIVE_OID 2514







SALAMANDER SURVEY



Stream Site:

PSTR-14-68

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 9:27 AM

Inspection End

9/13/2018, 9:55 AM

Weather_Conditions

Mostly Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

High

Water Temp (C)

Flow Rate

Moderate

Water Depth (In.)

3

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Closed

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

Yes

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

no flow at time of inspection at northern end, good flow at southern end. 1 Red back salamander observed. Adequate salamander habitat in the pools.

Photo Description

QA/QC Fields

GlobalID {360FA23B-DE41-4C13-BEC4-ABDA5A891B35}

Attachment-ID 1696 Photo# attachment2.jpg GDB_ARCHIVE_OID 2515









SALAMANDER SURVEY



Stream Site:	PSTR-12-07	Inspection Begin	9/13/2018, 10:36 AM	Inspection End	9/13/2018, 11:18 AM
Stream Segment		Weather_Conditions			
Inspector Name	James Morin	Sunny			
Town	Appleton	Upland Landuse Description			
County	Somerset County	Partial Forested			
State	Maine				
Altitude (ft)					

Location Data

Stream Description	Mixed Forest	Evidence of Disturbance	Yes
Stream Gradient	Moderate	Aquatic Vegetation	Sparse
Water Temp (C)		Canopy Cover	Semi-open
Flow Rate	Moderate	Forest Cover	Other
Water Depth (In.)	4	Other Fauna	
Stream Width (ft)			

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes	Clearcut within 100'. Much blowdown across the stream. Spring Salamander found.
Photo Description	

QA/QC Fields

GlobalID {E28A08BA-B81D-4CC8-9B4E-2C554FA19B2B}

Attachment-ID	1694	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2516
---------------	------	--------	-----------------	-----------------	------









SALAMANDER SURVEY



Stream Site:

PSTR-16-01

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 2:30 PM

Inspection End

9/13/2018, 3:16 PM

Weather_Conditions

Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

Low

Water Temp (C)

Flow Rate

Moderate

Water Depth (In.)

3

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Semi-open

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

No

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

Several 2'+ deep pools for brook trout. Suitable habitat for Spring Salamanders. Several Two Line Salamanders observed.

Photo Description

QA/QC Fields

GlobalID {EC5F340E-6C1D-461C-B13C-888B8FEB2BBE}

Attachment-ID 1710 Photo# attachment2.jpg GDB_ARCHIVE_OID 2517







SALAMANDER SURVEY



Stream Site:

PSTR-14-49

Stream Segment

Inspector Name

James Morin

Town

Appleton

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/13/2018, 8:57 AM

Inspection End

9/13/2018, 9:09 AM

Weather_Conditions

M Sunny

Upland Landuse Description

Forested

Location Data

Stream Description

Hardwood

Stream Gradient

Moderate

Water Temp (C)

Flow Rate

Slow

Water Depth (In.)

0

Stream Width (ft)

Evidence of Disturbance

No

Aquatic Vegetation

Sparse

Canopy Cover

Closed

Forest Cover

Mixed Aged

Other Fauna

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders

Yes

Cobble

Yes

Gravel

Yes

Sand

Yes

Notes

Collection Notes

very little to no steam flow at time of inspection, mostly just widely scattered pools. No salamanders observed.

Photo Description

QA/QC Fields

GlobalID

{22EF6135-1393-40A3-9477-12F8524FCB84}

Attachment-ID

1690

Photo#

attachment4.jpg

GDB_ARCHIVE_OID

2518







SALAMANDER SURVEY



Stream Site: PSTR-16-07

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/13/2018, 3:28 PM

Inspection End
9/13/2018, 3:38 PM

Weather_Conditions
Sunny

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	4
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes Short stream segment. Several Two Line and Dusky salamanders observed

Photo Description

QA/QC Fields

GlobalID {48969762-0B1E-438E-BB7F-A2F49ADE64A0}

Attachment-ID	1700	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2519
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-14-33

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/13/2018, 12:24 PM

Inspection End
9/13/2018, 12:40 PM

Weather_Conditions
Sunny

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	2
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
No salamanders observed. Moderate to good salamander habitat.

Photo Description

QA/QC Fields

GlobalID {80F2FC15-1CCD-48AE-BDD9-0D29C01D5ABF}

Attachment-ID	1711	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2520
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-31-SRD2-01

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft) 1,690.10

Inspection Begin
9/17/2018, 2:46 PM

Inspection End
9/17/2018, 2:58 PM

Weather_Conditions

P Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Softwood
Stream Gradient	Low
Water Temp (C)	18
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	20

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes small cobble over gravel sand, some deep 1'+ pools, alge present, not ideal Spring Salamander habitat

Photo Description

QA/QC Fields

GlobalID {3679D79B-7C7A-41ED-AA80-554A22B620FD}

Attachment-ID	1723	Photo#	attachment4.jpg	GDB_ARCHIVE_OID	2556
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-EM-34-02

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/17/2018, 1:31 PM

Inspection End
9/17/2018, 1:34 PM

Weather_Conditions

Mostly Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	1
Stream Width (ft)	5

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes Two line and Spring salamanders found, cobble over sandy, gravel bedrock substrate

Photo Description

QA/QC Fields

GlobalID {C309FF20-8D0E-4BFD-B954-4BC4E0315B57}

Attachment-ID	1725	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2557
---------------	------	--------	-----------------	-----------------	------









SALAMANDER SURVEY



Stream Site: PSTR-EM-34-01

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/17/2018, 12:26 PM

Inspection End
9/17/2018, 12:58 PM

Weather_Conditions
Sunny

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	12

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
Green frog present, water flow with pools 1'+ in pockets, Spring Salamander present, good cobble over gravel habitat, several Two Line salamanders also found.

Photo Description

QA/QC Fields

GlobalID {449FD56F-8B8E-449A-9D55-11F2B15292AF}

Attachment-ID 1732 Photo# attachment1.jpg GDB_ARCHIVE_OID 2558









SALAMANDER SURVEY



Stream Site: PSTR-31-06

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft) 1,667.80

Inspection Begin
9/17/2018, 3:25 PM

Inspection End
9/17/2018, 3:44 PM

Weather_Conditions

M Sunny 75°

Upland Landuse Description

Partial Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	14
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	6

Evidence of Disturbance	Yes
Aquatic Vegetation	Sparse
Canopy Cover	Open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes adjacent clearcut, some deep 1'+ pools, several Two Line salamanders observed, good cobble over gravel habitat

Photo Description

QA/QC Fields

GlobalID {E87CB281-2F30-477F-986B-9061E6461329}

Attachment-ID	1731	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2559
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-33-01

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/17/2018, 11:31 AM

Inspection End
9/17/2018, 11:53 AM

Weather_Conditions

M. Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	3
Stream Width (ft)	15

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
Two line and Spring salamanders present, crayfish, good cobble over gravel habitat, some deep 1'+ pools.

Photo Description

QA/QC Fields

GlobalID {97656550-06F1-46AC-A5CB-47E4E80FB176}

Attachment-ID	1717	Photo#	attachment6.jpg	GDB_ARCHIVE_OID	2560
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site:

PSTR-38-02

Stream Segment

Inspector Name

James Morin

Town

Johnson Mountain

County

Somerset County

State

Maine

Altitude (ft)

Inspection Begin

9/18/2018, 8:41 AM

Inspection End

Weather_Conditions

Partly Sunny to Overcast

Upland Landuse Description

Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	3
Stream Width (ft)	6

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present

Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes

a silty muck component, several Dusky salamanders present, Spring Salamander found

Photo Description

QA/QC Fields

GlobalID {0118607D-E87C-4FF7-9B2A-3EE8237DDD63}

Attachment-ID	1753	Photo#	attachment3.jpg	GDB_ARCHIVE_OID	2570
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site: PSTR-35-02

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/18/2018, 11:48 AM

Inspection End
9/18/2018, 12:42 PM

Weather_Conditions
Mostly Cloudy

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	16
Flow Rate	Moderate
Water Depth (In.)	3
Stream Width (ft)	8

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
not ideal habitat for Spring Salamanders, little cobble over gravel substrate, much silt in the substrate. Two-line salamanders found

Photo Description

QA/QC Fields

GlobalID {6196FB2F-C97A-43B7-9888-F3836DC40FCA}

Attachment-ID	1759	Photo#	attachment3.jpg	GDB_ARCHIVE_OID	2571
---------------	------	--------	-----------------	-----------------	------







SALAMANDER SURVEY



Stream Site: PSTR-38-10

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/18/2018, 9:36 AM

Inspection End
9/18/2018, 9:54 AM

Weather_Conditions
Becoming more cloudy

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	16
Flow Rate	Slow
Water Depth (In.)	2
Stream Width (ft)	5

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Even Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
good cobble over sandy gravel habitat, crayfish found, Dusky and Spring salamander found

Photo Description

QA/QC Fields

GlobalID {F00FEA8E-7511-41D0-8774-9595624E3181}

Attachment-ID	1762	Photo#	attachment6.jpg	GDB_ARCHIVE_OID	2572
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site: PSTR-38-15

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/18/2018, 10:20 AM

Inspection End
9/18/2018, 10:30 AM

Weather_Conditions
Cloudy

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	0
Stream Width (ft)	5

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Even Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
good cobble over gravel habitat, no water flow at time of inspection, some small shallow pools in pockets, Dusky, Two-Line and Spring salamanders found

Photo Description

QA/QC Fields

GlobalID {CEAF7C2D-9E47-4BAE-84E3-1C6E4E540B0F}

Attachment-ID	1768	Photo#	attachment2.jpg	GDB_ARCHIVE_OID	2573
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site: PSTR-38-06

Stream Segment

Inspector Name James Morin

Town Johnson Mountain

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/18/2018, 8:05 AM

Inspection End
9/18/2018, 8:19 AM

Weather_Conditions
Partly Sunny to Overcast

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	2
Stream Width (ft)	6

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
good cobble over sandy gravel salamander habitat, some minor amounts of silt in the substrate, Spring and Two line salamanders found

Photo Description

QA/QC Fields

GlobalID {55B34EB3-56A0-49F0-BFC0-6ADB8D824EBE}

Attachment-ID 1763 Photo# attachment4.jpg GDB_ARCHIVE_OID 2574









SALAMANDER SURVEY



Stream Site:	PSTR-21-01
Stream Segment	
Inspector Name	James Morin
Town	T5 R7 BKP WKR
County	Somerset County
State	Maine
Altitude (ft)	

Inspection Begin	Inspection End
9/21/2018, 9:02 AM	9/21/2018, 9:15 AM
Weather_Conditions	
Cloudy	
Upland Landuse Description	
Forested	

Location Data

Stream Description	Softwood
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	0
Stream Width (ft)	2

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes	PSTR 21-01, no water flow, some water in pools in pockets, not ideal Spring Salamander habitat. Blue spotted salamander found.
Photo Description	

QA/QC Fields

GlobalID {8AF3ADEE-2C7E-42FF-9259-132BD0EE6351}

Attachment-ID	1816	Photo#	attachment1.jpg	GDB_ARCHIVE_OID	2595
---------------	------	--------	-----------------	-----------------	------











SALAMANDER SURVEY



Stream Site: PSTR-14-24

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/13/2018, 1:16 PM

Inspection End
9/13/2018, 1:29 PM

Weather_Conditions

Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Hardwood
Stream Gradient	High
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	0
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
little to no flow in stream. some organic in the substrate. Two line and Red Back salamanders observed. with water it could be good habitat for Spring Salamander.

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-MS-03-2

Stream Segment

Inspector Name James Morin

Town Beattie

County Franklin County

State Maine

Altitude (ft)

Inspection Begin
9/11/2018, 1:02 PM

Inspection End
9/11/2018, 1:41 PM

Weather_Conditions

P Sunny

Upland Landuse Description

Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Fast
Water Depth (In.)	
Stream Width (ft)	

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Even Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
Several Two Line Salamanders found. Good habitat.

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-18-06

Stream Segment

Inspector Name James Morin

Town T5 R7 BKP WKR

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 11:12 AM

Inspection End
9/14/2018, 11:25 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	10
Flow Rate	Slow
Water Depth (In.)	1
Stream Width (ft)	3

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Closed
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes wood frog found, Two line salamander found, water flow in sections, no flow in sections, some peat muck, not ideal NSS habitat

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID





SALAMANDER SURVEY



Stream Site: PSTR-SR-29-05

Stream Segment

Inspector Name James Morin

Town	Bradstreet
County	Somerset County
State	Maine
Altitude (ft)	

Inspection Begin	Inspection End
9/14/2018, 2:03 PM	9/14/2018, 2:25 PM

Weather_Conditions

Upland Landuse Description

Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	14
Flow Rate	Slow
Water Depth (In.)	4
Stream Width (ft)	9

Evidence of Disturbance	No
Aquatic Vegetation	Moderate
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present

No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes	several Northern Two line salamanders observed, many embedded rocks, little to no flow, water in pools and pockets, adjacent forest cut over near stream
Photo Description	

QA/QC Fields

GlobalID		
Attachment-ID	Photo#	GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-17R-03

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 9:35 AM

Inspection End
9/14/2018, 9:45 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Low
Water Temp (C)	
Flow Rate	Slow
Water Depth (In.)	0
Stream Width (ft)	5

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes
little to no flow, trib. entry via culvert under Rock Pond Rd, few rocks, peat muck, not good NSS habitat

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID





SALAMANDER SURVEY



Stream Site: PSTR-18-05

Stream Segment

Inspector Name James Morin

Town T5 R7 BKP WKR

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 11:48 AM

Inspection End
9/14/2018, 12:05 PM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	13
Flow Rate	Slow
Water Depth (In.)	3
Stream Width (ft)	6

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes not ideal NSS habitat, moss covered rocks, some peat muck, northern two line salamander found

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-17R-04

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 9:05 AM

Inspection End
9/14/2018, 9:10 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	15

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-18-14

Stream Segment

Inspector Name James Morin

Town T5 R7 BKP WKR

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 10:18 AM

Inspection End
9/14/2018, 10:40 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	11
Flow Rate	Slow
Water Depth (In.)	4
Stream Width (ft)	6

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	No
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes
peat muck, moss covered rocks/cobble, not good NSS habitat, found a green frog

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-SRD1-28-04

Stream Segment

Inspector Name James Morin

Town Bradstreet

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 1:08 PM

Inspection End
9/14/2018, 1:25 PM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Mixed Forest
Stream Gradient	Low
Water Temp (C)	17
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	15

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
No

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	Yes

Notes

Collection Notes significant spruce/fir blowdown, alge bloom, green frog observed

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID







SALAMANDER SURVEY



Stream Site: PSTR-17-07

Stream Segment

Inspector Name James Morin

Town Appleton

County Somerset County

State Maine

Altitude (ft)

Inspection Begin
9/14/2018, 9:20 AM

Inspection End
9/14/2018, 9:25 AM

Weather_Conditions

Upland Landuse Description
Forested

Location Data

Stream Description	Hardwood
Stream Gradient	Moderate
Water Temp (C)	
Flow Rate	Moderate
Water Depth (In.)	4
Stream Width (ft)	15

Evidence of Disturbance	No
Aquatic Vegetation	Sparse
Canopy Cover	Semi-open
Forest Cover	Mixed Aged
Other Fauna	

Salamander Data

Northern Spring Salamander Present
Yes

Substrate Data

Boulders	Yes
Cobble	Yes
Gravel	Yes
Sand	No

Notes

Collection Notes a continuation of PSTR 17R 04

Photo Description

QA/QC Fields

GlobalID

Attachment-ID

Photo#

GDB_ARCHIVE_OID



