EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES 102 Grove Street

Worcester, MA 01605-2629 508-752-9666 - Fax: 508-752-9494

September 28, 2021

Paxton Conservation Commission Town Office Building 697 Peasant Street Paxton, MA 01612

Re: 46 Davis Hill Road, Paxton

Subject: Notice of Intent Application

Dear Commission Members:

Enclosed please find three (3) copies of a Notice of Intent submitted on behalf of the Applicant: Justin Newton filed under the Massachusetts Wetlands Protection Act and Town of Paxton Wetlands Protection Bylaw for the above referenced property. The proposed project consists of the repair of an existing retaining wall and associated site drainage improvements within the 100-foot Buffer Zone. During construction, wetland resource areas will be protected by installing straw wattles and siltation fencing at the limit of work, which will be maintained until all disturbed areas have been fully stabilized.

This filing comprises:

- 1. This cover letter;
- 2. The Notice of Intent forms with required attachments;
- 3. Checks to cover filing fees, recording fees, and legal notice;
- 4. Wetland Resource Evaluation by EcoTec, Inc. dated July 17th, 2021; and
- 5. Proposed Wall Replacement Plan, prepared by Quinn Engineering dated 9/9/2021.

One (1) copy of this filing has been submitted by certified mail, return receipt requested to the Central Regional Office of the Department of Environmental Protection and one copy of this filing has been submitted to the property owner and applicant.

We look forward to meeting with the Commission to discuss this project. If you have any questions, please feel free to contact me at any time.

Sincerely,

Scott Jordan

Senior Environmental Scientist

Scott Gordan



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Pro	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Paxton

City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

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Project Location (No	te: electronic filers w	ill click off buttoff to locate	project cito).
46 Davis Hill Rd.		Paxton	01612
a. Street Address		b. City/Town	c. Zip Code
Latituda and Langitu	do:	42 18' 51" N	71 55' 51" W
Latitude and Longitu	de:	d. Latitude	e. Longitude
18		198	
f. Assessors Map/Plat Nui	mber	g. Parcel /Lot Num	ber
Applicant:			
Justin		Newton	
a. First Name		b. Last Name	
c. Organization			
46 Davis Hill Road			
d. Street Address			
Paxton		MA	01612
e. City/Town		f. State	g. Zip Code
774-239-8469		Newton.jus@gmail	
h. Phone Number	i. Fax Number	j. Email Address	
a. First Name		b. Last Name	
a. First Name c. Organization		b. Last Name	
		b. Last Name	
c. Organization		b. Last Name	g. Zip Code
c. Organization d. Street Address	i. Fax Number		g. Zip Code
c. Organization d. Street Address e. City/Town		f. State	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott		f. State	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar		f. State j. Email address	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar		f. State j. Email address Jordan	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name		f. State j. Email address Jordan	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc.		f. State j. Email address Jordan	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company		f. State j. Email address Jordan	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St.		f. State j. Email address Jordan	g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St. d. Street Address		f. State j. Email address Jordan b. Last Name	
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St. d. Street Address Worcester e. City/Town	ny):	f. State j. Email address Jordan b. Last Name MA f. State	01605 g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St. d. Street Address Worcester	ny):	f. State j. Email address Jordan b. Last Name	01605 g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St. d. Street Address Worcester e. City/Town 508-752-9666 x226 h. Phone Number	ny):	f. State j. Email address Jordan b. Last Name MA f. State sjordan@ecotecine	01605 g. Zip Code
c. Organization d. Street Address e. City/Town h. Phone Number Representative (if ar Scott a. First Name EcoTec, Inc. c. Company 102 Grove St. d. Street Address Worcester e. City/Town 508-752-9666 x226 h. Phone Number	i. Fax Number	f. State j. Email address Jordan b. Last Name MA f. State sjordan@ecotecing j. Email address	01605 g. Zip Code



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

	MassDEP File Number
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	Paxton
٦	City/Town

A. General Information (continued)

	,				
6.	General Project Description:				
	Repair of a failing retaining wall and site drainage improvements including: grading and repair roof drain within the Buffer Zone to a BVW.				
7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)					
	1. Single Family Home	2. Residential Subdivision			
	3. Commercial/Industrial	4. Dock/Pier			
	5. Utilities	6. Coastal engineering Structure			
	7. Agriculture (e.g., cranberries, forestry)	8. Transportation			
	9. Other				
7b.	Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)? 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)				
	2. Limited Project Type				
	If the proposed activity is eligible to be treated as a CMR10.24(8), 310 CMR 10.53(4)), complete and a Project Checklist and Signed Certification.				
8.	Property recorded at the Registry of Deeds for:				
	Worcester				
	a. County 57302	b. Certificate # (if registered land) 333			
	c. Book	d. Page Number			
В	. Buffer Zone & Resource Area Imp	acts (temporary & permanent)			
1.	Buffer Zone Only – Check if the project is locate				
2.	Vegetated Wetland, Inland Bank, or Coastal Re Inland Resource Areas (see 310 CMR 10.54-10 Coastal Resource Areas).				
	Check all that apply below. Attach narrative and an	y supporting documentation describing how the			

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

٧	ided by MassDEP:
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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Resource Area		Size of Proposed Alteration	Proposed Replacement (if any)		
a. 🔲	Bank	1. linear feet	2. linear feet		
	Bordering Vegetated Wetland	1. square feet	2. square feet		
	Land Under Waterbodies and	1. square feet	2. square feet		
	Waterways	3. cubic yards dredged			
Resource	e Area	Size of Proposed Alteration	Proposed Replacement (if any)		
	Bordering Land Subject to Flooding	1. square feet	2. square feet		
		3. cubic feet of flood storage lost	4. cubic feet replaced		
	Isolated Land Subject to Flooding	1. square feet			
		2. cubic feet of flood storage lost	3. cubic feet replaced		
f. 🗌	Riverfront Area	Name of Waterway (if available) - spec	cify coastal or inland		
2.	Width of Riverfront Area (check one):			
	25 ft Designated De	ensely Developed Areas only			
	☐ 100 ft New agricultu	ıral projects only			
200 ft All other projects					
3. T	otal area of Riverfront Area	a on the site of the proposed projec	ot: square feet		
4. P	4. Proposed alteration of the Riverfront Area:				
	4. Proposed diteration of the Privernont Area.				
a. to	tal square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.		
5. H	as an alternatives analysis	s been done and is it attached to th	is NOI? Yes No		
6. V	Vas the lot where the activi	ity is proposed created prior to Aug	ust 1, 1996?		
3. Coa	stal Resource Areas: (See	310 CMR 10.25-10.35)			
Note: for coastal riverfront areas, please complete Section B.2.f. above.					

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number
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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your
document
transaction
number
(provided on you
receipt page)
with all
supplementary
information you
submit to the
Department.

Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
а. 🗌	Designated Port Areas	Indicate size under Land Unde	er the Ocean, below
b. 🗌	Land Under the Ocean	1. square feet	
		2. cubic yards dredged	
c. 🗌	Barrier Beach	Indicate size under Coastal Bea	aches and/or Coastal Dunes below
d. 🔲	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
		Size of Proposed Alteration	Proposed Replacement (if any)
f. 🔲	Coastal Banks	1. linear feet	
g. 🔲	Rocky Intertidal Shores	1. square feet	
h. 🔲	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. 🗌	Land Under Salt Ponds	1. square feet	-
		2. cubic yards dredged	-
j. 🗌	Land Containing Shellfish	1. square feet	-
k. 🗌	Fish Runs		nks, inland Bank, Land Under the der Waterbodies and Waterways,
		cubic yards dredged	-
l. 🗌	Land Subject to Coastal Storm Flowage	1. square feet	-
If the squar	estoration/Enhancement project is for the purpose o	f restoring or enhancing a wetland tered in Section B.2.b or B.3.h abo	d resource area in addition to the ove, please enter the additional
a. squa	are feet of BVW	b. square feet of	Salt Marsh
5. 🗌 P	roject Involves Stream Cro	ssings	
a. num	ber of new stream crossings	b. number of rep	placement stream crossings



WPA Form 3 – Notice of Intent Massachusetts Wetlands Protection Act M.G.L. c. 131, 840

MassDEP File Number
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IVIC	issacriusetts Wetlands Flotection Act M.G.	Paxton City/Town
C.	Other Applicable Standards and R	
	This is a proposal for an Ecological Restoration complete Appendix A: Ecological Restoration (310 CMR 10.11).	
Str	eamlined Massachusetts Endangered Spec	es Act/Wetlands Protection Act Review
1.	Is any portion of the proposed project located in Es the most recent Estimated Habitat Map of State-Lis Natural Heritage and Endangered Species Program Massachusetts Natural Heritage Atlas or go to http://maps.massgis.state.ma.us/PRI EST HAB/vi	sted Rare Wetland Wildlife published by the n (NHESP)? To view habitat maps, see the
	a. Yes No If yes, include proof of m	ailing or hand delivery of NOI to:
	9/20/2021 b. Date of map Natural Heritage and Endition of Fisheries and 1 Rabbit Hill Road Westborough, MA 015	
	If yes, the project is also subject to Massachusetts CMR 10.18). To qualify for a streamlined, 30-day, complete Section C.1.c, and include requested ma complete Section C.2.f, if applicable. If MESA supply completing Section 1 of this form, the NHESP was up to 90 days to review (unless noted exceptions in	MESA/Wetlands Protection Act review, please terials with this Notice of Intent (NOI); OR plemental information is not included with the NOI, will require a separate MESA filing which may take
	c. Submit Supplemental Information for Endangere	d Species Review*
	1. Percentage/acreage of property to be a	altered:
	(a) within wetland Resource Area	percentage/acreage
	(b) outside Resource Area	percentage/acreage
	2. Assessor's Map or right-of-way plan of	site
2.	Project plans for entire project site, including wetlands jurisdiction, showing existing and propos tree/vegetation clearing line, and clearly demarcate	ed conditions, existing and proposed
	(a) Project description (including descripti buffer zone)	on of impacts outside of wetland resource area &
	(b) Photographs representative of the site	

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^{*} Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see https://www.mass.gov/maendangered-species-act-mesa-regulatory-review).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

^{**} MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



WPA Form 3 – Notice of Intent
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Prov	ided by MassDEP:
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C. Other Applicable Standards and Requirements (cont'd)

	Make c	a-project-review).	e at https://www.mass.gov/how-to/how-to-file-fo sachusetts - NHESP" and <i>mail to NHESP</i> at	<u>r-</u>		
	Projects altering 10 or more acres of land, also submit:					
	(d) Vegetation cover type map of site					
(e) Project plans showing Priority & Estimated Habitat boundaries						
	(f) OR	R Check One of the Following				
	1. 🗌	https://www.mass.gov/service-details/ex	MESA exemption applies. (See 321 CMR 10.14, cemptions-from-review-for-projectsactivities-in- nt to NHESP if the project is within estimated 10.59.)			
	2. 🗌	Separate MESA review ongoing.	a. NHESP Tracking # b. Date submitted to NHES	P		
	3. 🗌	Separate MESA review completed. Include copy of NHESP "no Take" deter Permit with approved plan.	mination or valid Conservation & Management			
3.	For coasta line or in a		sed project located below the mean high water			
	a. Not a	applicable – project is in inland resource a	area only b. 🗌 Yes 🔲 No			
	If yes, inclu	ude proof of mailing, hand delivery, or ele	ctronic delivery of NOI to either:			
	South Shore the Cape &	e - Cohasset to Rhode Island border, and Islands:	North Shore - Hull to New Hampshire border:			
	Southeast M Attn: Enviro 836 South F New Bedfor	Marine Fisheries - Marine Fisheries Station nmental Reviewer Rodney French Blvd. rd, MA 02744 f.envreview-south@mass.gov	Division of Marine Fisheries - North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: dmf.envreview-north@mass.gov			
	please cor		ense. For coastal towns in the Northeast Regior tal towns in the Southeast Region, please conta			
	c. 🗌 🏻 Is	this an aquaculture project?	d. 🗌 Yes 🔲 No			
	If yes, incl	ude a copy of the Division of Marine Fish	eries Certification Letter (M.G.L. c. 130, § 57).			

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Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Pro	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Paxton
	City/Town

C. Other Applicable Standards and Requirements (cont'd)

	4.	Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
Online Users: Include your document		a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). Note: electronic filers click on Website.
transaction number		b. ACEC
(provided on your receipt page) with all	5.	Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
supplementary information you		a. 🗌 Yes 🔀 No
submit to the Department.	6.	Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
		a. 🗌 Yes 🔀 No
	7.	Is this project subject to provisions of the MassDEP Stormwater Management Standards?
		 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if: 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
		2. A portion of the site constitutes redevelopment
		3. Proprietary BMPs are included in the Stormwater Management System.
		b. No. Check why the project is exempt:
		1. Single-family house
		2. Emergency road repair
		3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.
	D.	Additional Information
		This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).
		Applicants must include the following with this Notice of Intent (NOI). See instructions for details.
		Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.
		1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)

Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative

to the boundaries of each affected resource area.

2.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

٧	ided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Paxton
	City/Town

D. Additional Information (cont'd)

		, ,	
	3. 🖾		ource area boundary delineations (MassDEP BVW cability, Order of Resource Area Delineation, etc.), odology.
	4.	List the titles and dates for all plans and other	
		posed Wall Replacement Plan in Paxton, Man Title	lassachusetts 46 Davis Hill Road
		nn Engineering, Inc.	Kevin J. Quinn
		repared By	c. Signed and Stamped by
		,	1"=20'
	d. Fi	nal Revision Date	e. Scale
	We	tland Resource Evaluation by EcoTec, Inc.	9/9/2021
	f. Ac	dditional Plan or Document Title	g. Date
	5. 🗌	If there is more than one property owner, p listed on this form.	please attach a list of these property owners not
	6.	Attach proof of mailing for Natural Heritage	e and Endangered Species Program, if needed.
	7.	Attach proof of mailing for Massachusetts I	Division of Marine Fisheries, if needed.
	8. 🛛	Attach NOI Wetland Fee Transmittal Form	
	9.	Attach Stormwater Report, if needed.	
Ε.	Fees		
	1.		ed for projects of any city, town, county, or district ed Indian tribe housing authority, municipal housing sportation Authority.
		ants must submit the following information (in ansmittal Form) to confirm fee payment:	in addition to pages 1 and 2 of the NOI Wetland
	21008	,	9/25/21
		ipal Check Number	3. Check date
	21009		9/25/21
	4. State	Check Number	5. Check date
	EcoTe	c, Inc.	
	6. Payor	name on check: First Name	7. Payor name on check: Last Name

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Costs Meits	9/23/21
1. Signature of Applicant	2. Date
3. Signature of Property Owner Jif different)	4. Date 9/28/21
5. Signature of Representative (if any)	6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return kev.

1





Α.	Applicant into	ormation		
1.	Location of Project:			
	46 Davis Hill Road		Paxton	
	a. Street Address		b. City/Town	
			\$110.00	
	c. Check number		d. Fee amount	
2.	Applicant Mailing Ad	Idress:		
	Justin		Newton	
	a. First Name		b. Last Name	
	c. Organization			
	46 Davis Hill Road			
	d. Mailing Address			
	Paxton		MA	01612
	e. City/Town		f. State	g. Zip Code
	774-239-8469		Newton.jus@gmail.com	
	h. Phone Number	i. Fax Number	j. Email Address	
3.	Property Owner (if o	lifferent):		
	a. First Name		b. Last Name	
	c. Organization			
	d. Mailing Address			
	e. City/Town		f. State	g. Zip Code
	h. Phone Number	i. Fax Number	j. Email Address	

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

Fee should be calculated using the following process & worksheet. Please see Instructions before filling out worksheet.

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)			
Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category I (a)	1	110.00	110.00
	-	otal Project Fee	: <u>110.00</u>
	Step 6	/Fee Payments:	
	Total	Project Fee:	110.00 a. Total Fee from Step 5 42.50
	State share	e of filing Fee:	b. 1/2 Total Fee less \$12.50
	City/Town shar	e of filling Fee:	67.50 c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection Box 4062 Boston, MA 02211

b.) To the Conservation Commission: Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



Town of Paxton Board of Assessors 697 Pleasant Street Paxton, MA 01612 (508) 799-7231 - phone (508) 797-0966 - fax

46 Davis Hill Rd – Abutters List

map_par_id	owner1	own_addr	own_city	own_state	own_zip
1	PRUNIER			_	
	DAVID G &	764 PLEASANT			
18/192	RHIANNON A	ST	PAXTON	MA	01612
	CONTE JAY J. &	4 ARROWHEAD			
18/180F	JULIA A.	DR	PAXTON	MA	01612
	WHITE				
	WILLIAM D &	727 PLEASANT			
18/17	ROBERTA C	ST	PAXTON	MA	01612
	CHANEY	0			
	HUNTER B. &				
	CASAVANT	755 PLEASANT			
18/15	CHANEY ANNE	ST	PAXTON	MA	01612
	CASAVANT -				
	CHANEY ANNE	755 PLEASANT			
18/15A	M.	ST	PAXTON	MA	01612
	TROMBLEY	735 PLEASANT			
18/16	KIMBERLY A	ST	PAXTON	MA	01612
	NOBREGA				
	EDWARD A &				
	WOOD CARRIE	48 DAVIS HILL			
18/197	Α	RD	PAXTON	MA	01612
	LAVOIE				
	BEVERLY A &				
	TESSIER	57 RICHARDS			
18/179B	RUSSELL H	AVE	PAXTON	MA	01612
	BAKER MARK C	52 DAVIS HILL			
18/195	& MARY A	RD	PAXTON	MA	01612
	SPADAFORE				
	JOHN A &				
	VOLPE	754 PLEASANT			
18/193	REBECCA A	ST	PAXTON	MA	01612
	CHICOINE	748 PLEASANT			
18/194	ALFRED J JR	ST	PAXTON	MA	01612

	GREENE				
	RONALD T &	50 DAVIS HILL			
18/196	REBECCA J	RD	PAXTON	MA	01612

Kateri M. Clute

Kateri M. Clute, Principal Assessor, Town of Paxton 697 Pleasant St., Paxton, MA 01612 508/799-7231 Ext 16, Fax 508/797-0966 kclute@townofpaxton.net

Notification of Abutters Under the Massachusetts Wetlands Protection Act and the Town of Paxton Wetlands Bylaw

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

- A. The name of the applicant is Justin Newton.
- B. The applicant has filed a Notice of Intent with the Conservation Commission for the municipality of Paxton seeking permission repair a retaining wall within an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40) and the Town of Paxton Wetlands Bylaw.
- C. The address where the planned activity will take place is 46 Davis Hill Road.
- D. Copies of the Notice of Intent may be examined and obtained by making an appointment at EcoTec, Inc., 102 Grove Street, Worcester, MA, during regular business hours.

For more information call Scott Jordan of EcoTec at (508) 752-9666 x226 to make an appointment to review the filing materials. This is the applicant's representative.

E. Information regarding the date, time and place of the public hearing may be obtained from EcoTec, Inc., by calling this telephone number (508) 752-9666 during regular business hours.

NOTE: Notice of the public hearing, including the date, time and place will be published at least five (5) days in advance in the Worcester Telegram & Gazette.

NOTE: Notice of the public hearing, including the date, time and place will be posted in the Town Hall not less than forty-eight (48) hours in advance.

NOTE: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call:

Paxton Conservation Commission: (508) 753-2803 ext. 11

Central Region: (508) 792-7650

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES 102 Grove Street

Worcester, MA 01605-2629 508-752-9666 – Fax: 508-752-9494

06/09/2021

Justin Newton 46 Davis Hill Rd. Paxton

RE: Wetland Resource Evaluation, 46 Davis Hill Rd., Paxton, Massachusetts

Dear Mr. Newton:

On June 8th, 2021, EcoTec, Inc. inspected the above-referenced property for the presence of wetland resources as defined by: (1) the Massachusetts Wetlands Protection Act (M.G.L. Ch. 131, § 40; the "Act") and its implementing regulations (310 CMR 10.00 *et seq.*; the "Regulations"); and (2) the U.S. Clean Water Act (i.e., Section 404 and 401 wetlands). Scott Jordan and Kate O'Donnell of EcoTec, Inc. conducted the inspection.

The subject site consists of a 1-acre parcel located in Paxton, Massachusetts. The upland portions of the site consisted of a single-family house surrounded by lawn and wooded areas. Plant species observed include northern red oak (*Quercus rubra*), white oak (*Quercus alba*), eastern white pine (*Pinus strobus*), black cherry (*Prunus serotina*), red maple (*Acer rubrum*), American beech (*Fagus grandifolia*), white ash (*Fraxinus americana*) trees and/or saplings; and poison ivy (*Toxicodendron radicans*), and maple-leaf viburnum (*Viburnum acerifolium*) ground cover.

Methodology

The site was inspected, and areas suspected to qualify as wetland resources were identified. The boundary of Bordering Vegetated Wetlands was delineated in the field in accordance with the definition set forth in the regulations at 310 CMR 10.55(2)(c). Section 10.55(2)(c) states that "The boundary of Bordering Vegetated Wetlands is the line within which 50% or more of the vegetational community consists of wetland indicator plants and saturated or inundated conditions exist." The methodology used to delineate Bordering Vegetated Wetlands is further described in: (1) the BVW Policy "BVW: Bordering Vegetated Wetlands Delineation Criteria and Methodology," issued March 1, 1995; and (2) "Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act: A Handbook," produced by the Massachusetts Department of Environmental Protection, dated March 1995. The plant taxonomy used in this report is based on the National List of Plant Species that Occur in Wetlands: Massachusetts (Fish and Wildlife Service, U.S. Department of the Interior, 1988). Federal wetlands were presumed to have boundaries conterminous with the delineated

NAME DATE, 2018 Page 2.

Bordering Vegetated Wetlands. One set of DEP Bordering Vegetated Wetland Delineation Field Data Forms completed for observation plots located in the wetlands and uplands near flag A-5 is attached. The table below provides the Flag Numbers, Flag Type, and Wetland Types and Locations for the delineated wetland resources.

Flag Numbers	Flag Type	Wetland Types and Locations
Start A1 to A19 Stop	Blue Flags	Boundary of Bordering Vegetated Wetlands located in the northeastern portion of the site that is associated with an intermittent stream.

Findings

Wetland A (i.e., flags 1 to 19) consists of a wooded swamp located in the northeastern portion of the site that is associated with an intermittent stream. Plant species observed include red maple (*Acer rubrum*), swamp white oak (*Quercus bicolor*) trees and/or saplings; common winterberry (*Ilex verticillata*), arrow-wood (*Viburnum dentatum*) shrubs; and cinnamon fern (*Osmunda cinnamomea*), royal fern (*Osmunda regalis*), and sensitive fern (*Onoclea sensibilis*) ground cover. Evidence of wetland hydrology, including hydric soils was observed within the delineated wetland. This vegetated wetland borders an intermittent stream; accordingly, the vegetated wetlands would be regulated as Bordering Vegetated Wetlands and the intermittent stream would be regulated as Bank under the Act. A 100-foot Buffer Zone extends horizontally outward from the edge of Bordering Vegetated Wetlands and Bank under the Act.

Bordering Land Subject to Flooding is an area that floods due to a rise in floodwaters from a bordering waterway or water body. Where flood studies have been completed, the boundary of Bordering Land Subject to Flooding is based upon flood profile data prepared by the National Flood Insurance Program. Section 10.57(2)(a)3. states that "The boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm." The project engineer should evaluate the most recent National Flood Insurance Program flood profile data to determine if Bordering Land Subject to Flooding occurs on the site. Bordering Land Subject to Flooding would occur in areas where the 100-year flood elevation is located outside of or upgradient of the delineated Bordering Vegetated Wetlands or Bank boundary. Bordering Land Subject to Flooding does not have a Buffer Zone under the Act.

The Massachusetts Rivers Protection Act amended the Act to establish an additional wetland resource area: Riverfront Area. Based upon a review of the current USGS Map (i.e., Worcester North Quadrangle, dated 1983, attached) and observations made during the site inspection, a stream that is not shown on the USGS Map is located within the delineated wetland. The watershed area for this stream at the site was determined to be 0.12 square miles, which is less than 0.5 square miles (see attached watershed calculations). As such, the stream would be designated intermittent under the Massachusetts Wetlands Protection Act regulations.

NAME DATE, 2018 Page 3.

Furthermore, based upon a review of the current USGS Map and observations made during the site inspection, there are no other mapped or unmapped streams located within 200 feet of the site. Accordingly, Riverfront Area would not occur on the site. Riverfront Area does not have a Buffer Zone under the Act.

The Regulations require that no project may be permitted that will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures set forth at 310 CMR 10.59. Based upon a review of the *Massachusetts Natural Heritage Atlas*, 14th edition, Priority Habitats and Estimated Habitats from the NHESP Interactive Viewer, valid from August 1, 2017, and Certified Vernal Pools from MassGIS, there are no Estimated Habitats [for use with the Act and Regulations (310 CMR 10.00 *et seq.*)], Priority Habitats [for use with Massachusetts Endangered Species Act (M.G.L. Ch. 131A; "MESA") and MESA Regulations (321 CMR 10.00 *et seq.*)], or Certified Vernal Pools on or in the immediate vicinity of the site. A copy of this map is attached.

The reader should be aware that the regulatory authority for determining wetland jurisdiction rests with local, state, and federal authorities. Brief descriptions of our experience and qualifications are attached. If you have any questions, please feel free to contact us at any time.

Cordially, ECOTEC, INC.

Scott Jordan, CPESC Senior Environmental Scientist

Attachments (6, 11 pages)

Scott Jorlan

WETLAND_REPORT_Paxton_46 Davis Hill Rd.

Kate O'Donnell
Wetland Scientist

National Flood Hazard Layer FIRMette **S** FEMA Legend SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X ☐ Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - - - Channel, Culvert, or Storm STRUCTURES IIIIII Levee, Dike, or Floodwall -- - Channel, Culvert, or Storm Sewer 20.2 Cross Sections with 1% Annual Chance AREA OF M25027C0585EDD HAZARD 17.5 Water Surface Flevation TOWN OF PAXTON 8 - - - Coastal Transect --- Base Flood Elevation Line (BFE) 250326 Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER Profile Baseline Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/1/2021 at 5:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for

eff. 7/4/2011

2,000

1,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

unmapped and unmodernized areas cannot be used for regulatory purposes.

nt	Prepared by: EcoTec, Inc	Project Location: Paxton, Davis Hill Rd. 46	DEP File #		
Vegetation	Number: TP-Upland	Transect # A-5	Date of Delin: 6/8/2021		
nple layer and plant species gest to smallest % cover by	layer)	Percent Cover (or basal area) Percent Dominance	Dominant Plant?	Wetland Indicator Category	
red maple	Acer rubrum	30	66.7 YES	FAC	*
white ash	Fraxinus americana	10	22.2 YES	FACU	
eastern hemlock	Tsuga canadensis	5	11.1 NO	FACU*	
american beech	Fagus grandifolia	5	100.0 YES	FACU	
multi-flora rose norway maple	Rosa multiflora Acer platanoides	40 20	66.7 YES 33.3 YES	FACU NL	
sensitive fern starflower jewelweed	Onoclea sensibilis Trientalis borealis Impatiens capensis	10 10 10	33.3 YES 33.3 YES 33.3 YES	FACW FAC FACW	* *
_					
	vegetation nple layer and plant species gest to smallest % cover by red maple white ash eastern hemlock american beech multi-flora rose norway maple sensitive fern starflower	Vegetation Number: TP-Upland Inple layer and plant species gest to smallest % cover by layer) red maple Acer rubrum white ash Fraxinus americana eastern hemlock Tsuga canadensis american beech Fagus grandifolia multi-flora rose norway maple Rosa multiflora Acer platanoides sensitive fern starflower Onoclea sensibilis Trientalis borealis	Vegetation Number: TP-Upland Transect # A-5 nple layer and plant species gest to smallest % cover by layer) Percent Cover (or basal area) Percent Dominance red maple Acer rubrum 30 white ash Fraxinus americana 10 eastern hemlock Tsuga canadensis 5 american beech Fagus grandifolia 5 multi-flora rose norway maple Rosa multiflora Acer platanoides 40 sensitive fern Onoclea sensibilis 20 starflower Trientalis borealis 10	Vegetation Number: TP-Upland Transect # A-5 Date of December 1 Imple layer and plant species gest to smallest % cover by layer) Percent Cover (or basal area) Dominant Percent Dominance red maple Acer rubrum 30 66.7 YES white ash Fraxinus americana 10 22.2 YES eastern hemlock Tsuga canadensis 5 11.1 NO american beech Fagus grandifolia 5 100.0 YES multi-flora rose norway maple Rosa multiflora Acer platanoides 40 66.7 YES sensitive fern Onoclea sensibilis 20 33.3 YES sensitive fern Onoclea sensibilis 10 33.3 YES starflower Trientalis borealis 10 33.3 YES	Vegetation Number: TP-Upland Transect # A-5 Date of Delin: 6/8/2021 wetland in ple layer and plant species gest to smallest % cover by layer) Percent Cover (or basal area) Dominant Plant? Indicator Plant? Category red maple Acer rubrum white ash Fraxinus americana eastern hemlock 10 22.2 YES FACU american beech Fagus grandifolia 5 11.1 NO FACU american beech Fagus grandifolia 5 100.0 YES FACU multi-flora rose norway maple Rosa multiflora Acer platanoides 20 33.3 YES NL sensitive fern starflower Onoclea sensibilis 10 33.3 YES FACW starflower Trientalis borealis 10 33.3 YES FACW

Vegetation Conclusions				
Number of dominant wetland indicator plants	4	Number of dominant no	n-wetland indicator plants	4
Is the number of dominant wetland plants equal or greater than t	the number of dominant	non-wetland plants?	YES	

Project Location: Paxton, Davis Hill Rd. 46

Prepared by: EcoTec, Inc

Applicant

Section II.	Indicators of Hydrology	Nι	ımber: TP-Upland		Transect # A-5	Date of Deli	n: 6/8/2021
1. Soil Sur	vey			Other	Indicators of hydrology (check all that apply)	:	
Is there a	published soil survey for	this site?		· 🗆	Site Inundated		
	title/date				Depth to free water in observation hole		
	map number				Depth to soil saturation in observation hole		
	soil type mapped				Water marks		
	hydric soil inclusions				Drift lines		
Are field o	bservarions consistent w	ith soil survey?			Sediment Deposits		
					Drainage patterns in BVWs		
Remarks:					Oxidized rhizospheres		
					Water stained leaves		
					Recorded data (stream, lake, or tidal gauge;	aerial photo;	other):
2. Soil Des	•						
Horizon	Depth (inches)	Matrix Color	Mottle Color		Other:		
Α	0-10	10YR 2/1					
Bw	10-14	10YR 4/6					
						N. W.	
					Vegetation and Hydrology Conclusion		
						Yes	No
					Number of wetland indicator plants ≥		
Remarks	stony, fine, sandy loam				number of non-wetland indicator plants	✓	
					·		
					Wetland hydrology present:		
					Hydric soil present		V
3. Other					Other indicators of hydrology present		✓
Conclu	Conclusion: Is the soil hydric?			Sample Location is in a BVW		V	
		,		1	Campic Education is in a Day	_	_

_Applicant		Prepared by: EcoTec, Inc	Project Location: Paxton, Davis Hill Rd. 4	DEP File #		
Section I. Vegetation		Number: TP-Wetland	Transect # A-5	Date of Delin: 6/8/2021		
	nple layer and plant species gest to smallest % cover by la	yer)	Percent Cover (or basal area) Percent Dominance	Dominant Plant?	Wetland Indicator Category	
Tree	eastern hemlock	Tsuga canadensis	30	42.9 YES	FACW	*
	white ash	Fraxinus americana	20	28.6 YES	FACU	
	red maple	Acer rubrum	20	28.6 YES	FAC	*
Sapling	norway maple		10	40.0 YES	NL	
	red oak	Quercus rubra	10	40.0 YES	FACU-	
	eastern hemlock	Tsuga canadensis	5	20.0 YES	FACW	*
Shrub	multi-flora rose	Rosa multiflora	10	33.3 YES	FACU	
	hickory sp.		5	16.7 YES		
	european privet	Ligustrum vulgare	5	16.7 NO	FACU	
1	norway maple	Acer platanoides	5	16.7 NO	NL	
	alternate leaved dogwood	Cornus alterniflora	5	16.7 NO	NL	
	american beech	Fagus grandifolia	5	16.7 NO	FACU	
Ground	sensitive fern	Onoclea sensibilis	60	57.1 YES	FACW	*
	poison ivy	Toxicodendron radicans	40	38.1 YES	FAC	*
	maple-leaved viburnum	Viburnum acerifolia	5	4.8 NO	NL	
Vian	sedge sp.					
Vine						
	_					

Vegetation	Conclusions	
vegetation	Conclusions	

Number of dominant wetland indicator plants

5 Number of dominant non-wetland indicator plants Is the number of dominant wetland plants equal or greater than the number of dominant non-wetland plants?

YES

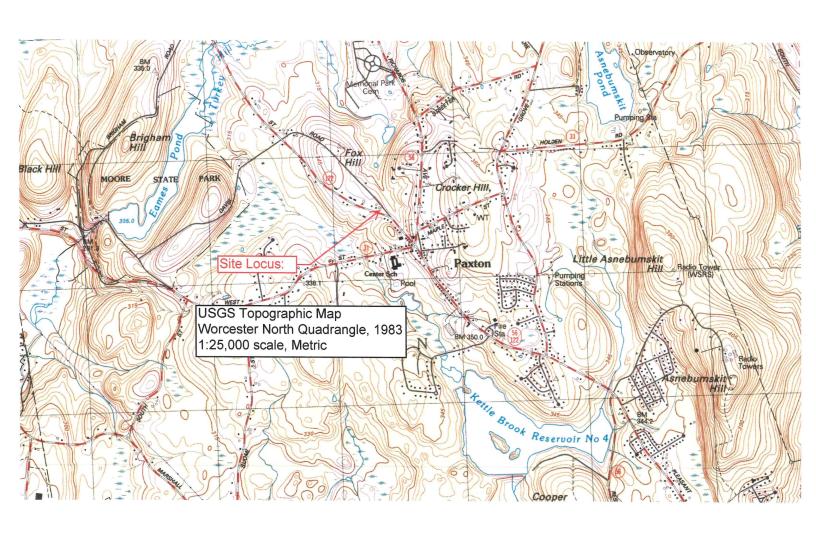
Project Location: Paxton, Davis Hill Rd. 46

DEP File #

Prepared by: EcoTec, Inc

Applicant

Section II.	Indicators of Hydrology	y Num	ber: TP-Wetland		Transect # A-5	Date of Deli	n: 6/8/2021
1. Soil Sur	vey			Other	Indicators of hydrology (check all that apply) :	
Is there a	published soil survey for	r this site?		' _□	Site Inundated	,	
	title/date				Depth to free water in observation hole		
	map number				Depth to soil saturation in observation hole		
	soil type mapped				Water marks		
	hydric soil inclusions				Drift lines		
Are field o	bservarions consistent	with soil survey?		' _□	Sediment Deposits		
					Drainage patterns in BVWs		
Remarks:					Oxidized rhizospheres		
				V	Water stained leaves		
					Recorded data (stream, lake, or tidal gauge;	aerial photo;	other):
2. Soil De	scription						,
Horizon	Depth (inches)	Matrix Color	Mottle Color		Other:		
Α	0-8	10YR 2/1					
В	8-12+	2.5Y 4/2	10% 10YR 4/6				
					Vegetation and Hydrology Conclusion		
						Yes	No
					Number of wetland indicator plants ≥		
Remarks	fine sandy loam				number of non-wetland indicator plants	V	
					Wetland hydrology present:		
					Hydric soil present	~	
3. Other					Other indicators of hydrology present		
Conclu	ısion: Is the soil	hvdric?	Yes		Sample Location is in a BVW		



6/9/2021 StreamStats

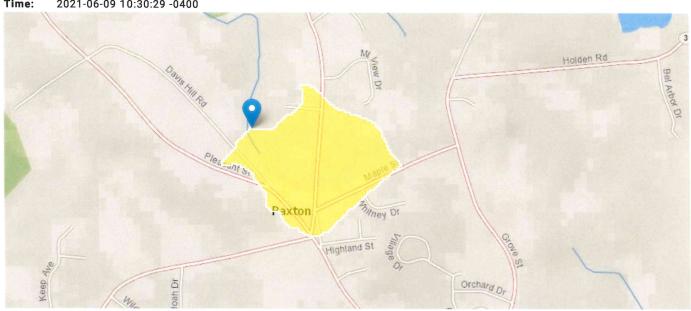
StreamStats Report

Region ID: MA

Workspace ID: MA20210609143007038000

Clicked Point (Latitude, Longitude): 42.31591, -71.93127

Time: 2021-06-09 10:30:29 -0400



Basin Characteristics

Parameter Code Parameter Description Value Unit

https://streamstats.usgs.gov/ss/ 1/2

6/9/2021	StreamStats

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.12	square miles
ELEV	Mean Basin Elevation	1150	feet
LC06STOR	Percentage of water bodies and wetlands determined from the NLCD 2006	6.13	percent
BSLDEM250	Mean basin slope computed from 1:250K DEM	4.419	percent
DRFTPERSTR	Area of stratified drift per unit of stream length	-100000	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	1	dimensionless
PCTSNDGRV	Percentage of land surface underlain by sand and gravel deposits	0	percent
FOREST	Percentage of area covered by forest	14.21	percent

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Application Version: 4.5.3

StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2

https://streamstats.usgs.gov/ss/





15th Edition Natural Heritage Atlas Online Data Viewer Output 9/20/21 9/23

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES 102 Grove Street

Worcester, MA 01605-2629 508-752-9666 – Fax: 508-752-9494

Scott Jordan, CPESC Senior Environmental Scientist

Scott Jordan has been an Environmental Scientist with EcoTec, Inc. since 2000. His project experience includes wetland resource evaluation and delineation; erosion and sediment control planning and monitoring, NPDES permitting and compliance monitoring, Stormwater Pollution Prevention Plan preparation. environmental monitoring, including water quality analysis, sediment analysis and wildlife habitat impact analysis; environmental permitting at local, state, and federal level; pond and stream evaluation; wildlife habitat evaluation, vernal pool evaluation; wetland replacement, restoration, and replication area design. He has served as a consultant to the development community, engineering firms, municipalities, conservation commissions, and citizen's groups. Prior to joining EcoTec, Mr. Jordan was the Senior Laboratory Technician for GeoComp Corporation where he performed numerous physical properties analysis of soils and geosynthetic materials in accordance with ASTM, and AASHTO specifications. His seven years experience evaluating New England soils includes soil analysis and classification of siteremediated soils with oil and hazardous material contamination. His educational background includes courses in organic and inorganic chemistry, biology, botany and comparative vertebrate physiology, with extensive coursework in ecology and wildlife biology. He has completed several professional training seminars including erosion and sediment control, soil evaluation, wildlife habitat evaluation, wetland mitigation, vernal pool evaluation, water quality assessment using macro-invertebrates, and river morphology and functions. He has participated in several wildlife monitoring and inventory projects, including marsh bird surveys, marbled salamander (Ambystoma opacum) survey, and greater black-backed gull (Larus marinus) inventory. His prior research experience includes behavioral and acoustic studies of the common loon (Gavia immer) in northwestern Maine.

Education: Bachelor of Science: Biology - Wildlife and Environmental, Cum Laude

Framingham State College, 2000

Biotechnology Certificate

Middlesex Community College, 1994

Professional

Affiliations: Certified Professional in Erosion and Sediment Control (Cert. #3644)

Massachusetts Association of Conservation Commissioners

Association of Massachusetts Wetland Scientists

Society of Wetland Scientists

Society of Soil Scientists of Southern New England

EcoTec, Inc.

ENVIRONMENTAL CONSULTING SERVICES 102 Grove Street Worcester, MA 01605-2629 508-752-9666 / Fax: 508-752-9494

Kate O'Donnell Wetland Scientist

Kate O'Donnell is the newest member of EcoTec, Inc. and started working in June of 2021. Her work with EcoTec, Inc. thusfar has involved wetland delineation, environmental permitting (federal, state and local), and interpretation of soils. Prior to starting at EcoTec, Kate was an undergraduate student at the College of the Holy Cross, double majoring in Biology and Environmental Studies, with a minor in geosciences. During her time as an undergrad, she conducted hydrologic and water quality research her senior year to investigate the impacts of road salt on the salinity of the Middle River in Worcester, MA. Kate is working to become a Professional Wetland Scientist in Training and is training in wetland delineation, vegetation identification, and soil properties.

Education:

2021- Bachelor of Arts in Biology and Bachelor of Arts in Environmental Studies, College of the Holy Cross

Professional Affiliations:

Society of Wetland Scientists member

resumeKODonnell.doc