

MASSACHUSETTS ELECTRIC COMPANY

Bear Swamp Feeder Conversion Project Notice of Intent

Town of Charlemont
Conservation Commission
November 2024

Prepared for:
Massachusetts Electric Company
170 Data Drive
Waltham, MA 02451

BSC Project No. 100876.00

NOVEMBER 26, 2024

Charlemont Conservation Commission
157 Main Street
Charlemont, MA 01339

**RE: Notice of Intent
Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Massachusetts Electric Company**

Dear Members of the Charlemont Conservation Commission:

BSC Group, Inc. (BSC) is filing this Notice of Intent (NOI) on behalf of the Massachusetts Electric Company (MECO) for the installation of utility poles and overhead line associated with the 1007G1 and 10019W1 distribution line along South River Road, Burrington Road, Harris Mountain Road, Mountain Road, Mohawk Trail (State Rte 2), and Avery Brook Road, in Charlemont, MA (The Project). This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Ch.131, S.40) (WPA), and its implementing regulations (310 CMR 10.00). The location of the proposed activities is shown on the USGS Site Locus Map in **Attachment B**.

The purpose of the Project is to refurbish an existing distribution line and to bring the line configuration up to date with current electrical standards and to add a second overhead distribution line that is collocated with the existing line to increase the overall reliability of the local distribution system. Proposed activities include the installation of eighty-nine (89) new utility poles, the replacement of one-hundred and eighty-nine (189) utility poles and the installation and/or replacement of overhead line along approximately 7 miles of an existing distribution line corridor. Some of the new poles are proposed within Bordering Land Subject to Flooding (BLSF), 200-ft Riverfront Area (RFA) associated with the Deerfield River, Hartwell Brook, and Avery Brook, 100-ft Buffer Zone (BZ) to Bordering Vegetated Wetland (BVW) and Inland Bank, and NHESP Priority and Estimated Habitat associated with the Deerfield River. Please refer to the enclosed USGS Site Locus Map and Environmental Resources Map in **Attachment B** and Site Photographs in **Attachment C**.

The proposed removal and replacement activities, and the installation of new anchors to support existing poles are exempt maintenance activity under the WPA (310 CMR 10.02(2)(a)(2)). Additionally, the installation of new direct embed utility poles and associated grounding wire along existing roadways and their maintained shoulders is an exempt minor activity within the Buffer Zone and Riverfront under 310 CMR 10.02(2)(b)(h) and 310 CMR 10.58(6)(b), respectively, as long as all work is conducted within 10 feet of the road shoulder, a minimum of 10 feet from resource areas, and no tree removals are required.

An NOI is required under the WPA due to new pole installations within Riverfront Area and Buffer Zone that are greater than 10 feet from the road, within 10 feet of a resource area, and/or that require tree removals to install the pole or overhead line. Additionally, MECO is proposing to install new poles within BLSF. Twenty (20) new poles are proposed within BLSF. There are no minor activity exemptions for work within BLSF.

As a utility construction Project, the Project is eligible to be permitted under the Limited Project provisions at 310 CMR 10.53(3)(d), which allow for the *construction, reconstruction, operation and maintenance of underground and overhead public utilities* without the Project fully meeting the performance standards in 310 CMR 10.54 through 10.58. However, the Project as designed will meet the performance standards for affected resource areas, and therefore does not need to be permitted under the Limited Project provisions.

Throughout construction of the Project, crews will implement Best Management Practices (BMPs), including sediment and erosion controls, to ensure adjacent resource areas are adequately protected and impacts to the surrounding areas are reduced. Upon completion of the Project activities, all temporarily disturbed areas will be restored to pre-construction conditions to the maximum extent practicable. Access to poles will be from the existing paved roadway.

We respectfully request that this matter be heard at the next scheduled Conservation Commission hearing. A copy of this application has been sent concurrently to the Western Regional Office of the Department of Environmental Protection. If you have any questions regarding the enclosed information, please contact me at (617) 896-4492 or Kevin O’Brion of MECO at (781) 663-3137. Thank you for your consideration in this matter.

Sincerely,
BSC Group, Inc.



Honora Lovelace Tisell
Ecological Project Manager

cc: Kevin O’Brion, Massachusetts Electric Company
MassDEP Western Regional Office

Enclosures:

- WPA Form 3** – Notice of Intent, NOI Fee Transmittal Form, and Copy of Filing Fee Check
- Attachment A** Detailed Project Narrative
- Attachment B** USGS Site Locus Map, Environmental Resources Map, FEMA Firmette
- Attachment C** Site Photographs
- Attachment D** Certified List of Abutters, Abutters Notification Letter
- Attachment E** National Grid’s Best Management Practices Manual (EG303-NE)

Table of Contents

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

WPA FORM 3	NOTICE OF INTENT FORM COPY OF FILING FEE CHECK
ATTACHMENT A	PROJECT NARRATIVE
ATTACHMENT B	USGS SITE LOCUS MAP ENVIRONMENTAL RESOURCE MAP FEMA FIRM MAP
ATTACHMENT C	SITE PHOTOGRAPHS
ATTACHMENT D	CERTIFIED LIST OF ABUTTERS ABUTTERS NOTIFICATION LETTER
ATTACHMENT E	NATIONAL GRID'S BEST MANAGEMENT PRACTICES



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

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.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

South River Rd, Avery Brook Rd, Harris Rd, Charlmont 01339
 Mountain Rd, Mohawk Trail, Burrington Rd b. City/Town c. Zip Code

Latitude and Longitude: d. Latitude e. Longitude

f. Assessors Map/Plat Number g. Parcel /Lot Number

2. Applicant:

Kevin O'Brion
 a. First Name b. Last Name

Massachusetts Electric Company
 c. Organization

170 Data Drive
 d. Street Address

Waltham MA 02451
 e. City/Town f. State g. Zip Code

781-663-3137 kevin.obrion@nationalgrid.com
 h. Phone Number i. Fax Number j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

Work within the Public Way
 a. First Name b. Last Name

c. Organization

d. Street Address

e. City/Town f. State g. Zip Code

h. Phone Number i. Fax Number j. Email address

4. Representative (if any):

Honora Lovelace Tisell
 a. First Name b. Last Name

BSC Group, Inc.
 c. Company

1 Mercantile Street Suite 610
 d. Street Address

Worcester MA 01608
 e. City/Town f. State g. Zip Code

htisell@bscgroup.com
 h. Phone Number i. Fax Number j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

\$750 \$362.50 \$387.50
 a. Total Fee Paid b. State Fee Paid c. City/Town Fee Paid



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

City/Town

A. General Information (continued)

6. General Project Description:

MECO is proposing to install utility poles and associated anchors and overhead line, and remove trees along the Bear Swamp Feeder distribution line located along several streets in Charlmont, MA. Proposed activities are located within Bordering Land Subject to Flooding (BLSF), 200-ft Riverfront Area (RFA), and 100-ft Buffer Zone to 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)
- 310 CMR 10.53(3)(d) - the construction, reconstruction, operation and maintenance of underground and overhead public utilities.

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Berkshire

a. County

b. Certificate # (if registered land)

Project located within public roadway

Project located within public roadway

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

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.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlemont

City/Town

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	0
	110	2. square feet
	3. cubic feet of flood storage lost	0

e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced

f. <input checked="" type="checkbox"/> Riverfront Area	Deerfield River, Hartwell Brook, Avery Brook	
	1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 108,387 square feet

4. Proposed alteration of the Riverfront Area:

156 a. total square feet 60 b. square feet within 100 ft. 96 c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

City/Town

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 your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. Restoration/Enhancement
 If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

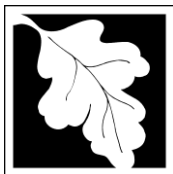
a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

City/Town

C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

- a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

November 2024

b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:

(a) within wetland Resource Area _____
percentage/acreage

(b) outside Resource Area _____
percentage/acreage

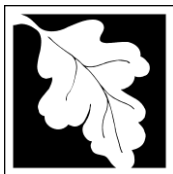
2. Assessor's Map or right-of-way plan of site

2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

- (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
- (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/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.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

City/Town

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

- (c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_fee_schedule.htm). Make check payable to “Commonwealth of Massachusetts - NHESP” and **mail to NHESP** at above address

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 Check One of the Following
1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)
 2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____
 3. Separate MESA review completed.
Include copy of NHESP “no Take” determination or valid Conservation & Management Permit with approved plan.
3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP’s Boston Office. For coastal towns in the Southeast Region, please contact MassDEP’s Southeast Regional Office.



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

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Charlmont
City/Town

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

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

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 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.
 b. ACEC
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?
 a. Yes No
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.)
2. 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.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlmont

City/Town

D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

Environmental Resource Mapping

a. Plan Title

BSC Group, Inc.

N/A

b. Prepared By

c. Signed and Stamped by

1" = 100'

d. Final Revision Date

e. Scale

USGS Site Location Map

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

Electronic Filing

4. State Check Number

5. Check date

BSC Group Inc.

6. Payor name on check: First Name

7. Payor name on check: Last Name



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Charlemont

City/Town

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.

11/27/24

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

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 key.



A. Applicant Information

1. Location of Project:

a. Street Address	b. City/Town
c. Check number	d. Fee amount

2. Applicant Mailing Address:

Kevin	O'Brion	
a. First Name	b. Last Name	
Massachusetts Electric Company		
c. Organization		
170 Data Drive		
d. Mailing Address		
Waltham	MA	02451
e. City/Town	f. State	g. Zip Code
781-663-3137	kevin.obrion@nationalgrid.com	
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

MECO has easement rights		
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

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.

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

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
2(d)X1.5 for RFA	1	\$750.00	\$750.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Step 5/Total Project Fee:			\$750.00
Step 6/Fee Payments:			
Total Project Fee:			\$750.00
State share of filing Fee:			\$362.50
City/Town share of filing Fee:			\$387.50
			a. Total Fee from Step 5
			b. 1/2 Total Fee less \$12.50
			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.)

HOLD TO LIGHT TO VIEW TRUE WESTPAPER MARK IN PAPER. HEAT SENSITIVE RED LOCK DISAPPEARS WHEN HEATED.

3933

BSC COMPANIES, INC.
803 SUMMER STREET
BOSTON, MASSACHUSETTS 02127

 53-179/113

DATE 12/3/24

PAY TO THE ORDER OF

Town of Charlemont

Three hundred eighty-seven dollars ^{50/100} \$ 387.50
DOLLARS

 **Eastern Bank**
Boston, MA 02110
easternbank.com
1-800-EASTERN

TWO SIGNATURES REQUIRED OVER \$2,500
NOT VALID AFTER 180 DAYS

FOR 387.50 100876

[Signature] *[Signature]*



Details on back. Security Features.

Attachment A

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

PROJECT NARRATIVE

1.0 INTRODUCTION

BSC Group, Inc. (BSC) is filing this Notice of Intent (NOI) on behalf of the Massachusetts Electric Company (MECO) for the installation of utility poles and overhead line associated with the 1007G1 and 10019W1 distribution line along South River Road, Burrington Road, Harris Mountain Road, Mountain Road, Mohawk Trail (State Rte 2), and Avery Brook Road, in Charlemont, MA (The Project). This NOI is being submitted in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Ch.131, S.40) (WPA), and its implementing regulations (310 CMR 10.00). The location of the proposed activities is shown on the USGS Site Locus Map in **Attachment B**.

The purpose of the Project is to refurbish an existing distribution line and to bring the line configuration up to date with current electrical standards and to add a second overhead distribution line that is collocated with the existing line to increase the overall reliability of the local distribution system. Proposed activities include the installation of eighty-nine (89) new utility poles, the replacement of one-hundred and eighty-nine (189) utility poles and the installation and/or replacement of overhead line along approximately 7 miles of an existing distribution line corridor. Some of the new poles are proposed within Bordering Land Subject to Flooding (BLSF), 200-ft Riverfront Area (RFA) associated with the Deerfield River, Hartwell Brook, and Avery Brook, 100-ft Buffer Zone (BZ) to Bordering Vegetated Wetland (BVW) and Inland Bank, and NHESP Priority and Estimated Habitat associated with the Deerfield River. Please refer to the enclosed USGS Site Locus Map and Environmental Resources Map in **Attachment B** and Site Photographs in **Attachment C**.

The proposed removal and replacement activities, and the installation of new anchors to support existing poles are exempt maintenance activity under the WPA (310 CMR 10.02(2)(a)(2)). Additionally, the installation of new direct embed utility poles and associated grounding wire along existing roadways and their maintained shoulders is an exempt minor activity within the Buffer Zone and Riverfront under 310 CMR 10.02(2)(b)(h) and 310 CMR 10.58(6)(b), respectively, as long as all work is conducted within 10 feet of the road shoulder, a minimum of 10 feet from resource areas, and no tree removals are required.

An NOI is required under the WPA due to new pole installations within Riverfront Area and Buffer Zone that are greater than 10 feet from the road, within 10 feet of a resource area, and/or that require tree removals to install the pole or overhead line. Additionally, MECO is proposing to install new poles within BLSF. Twenty (20) new poles are proposed within BLSF. There are no minor activity exemptions for work within BLSF.

As a utility construction Project, the Project is eligible to be permitted under the Limited Project provisions at 310 CMR 10.53(3)(d), which allow for the *construction, reconstruction, operation and maintenance of underground and overhead public utilities*

without the Project fully meeting the performance standards in 310 CMR 10.54 through 10.58. However, the Project as designed will meet the performance standards for affected resource areas, and therefore does not need to be permitted under the Limited Project provisions.

Throughout construction of the Project, crews will implement Best Management Practices (BMPs), including sediment and erosion controls, to ensure adjacent resource areas are adequately protected and impacts to the surrounding areas are reduced. Upon completion of the Project activities, all temporarily disturbed areas will be restored to pre-construction conditions to the maximum extent practicable. Access to poles will be from the existing paved roadway.

2.0 EXISTING CONDITIONS

The existing Bear Swamp Feeder line (1007G1 and 10019W1) runs along South River Road, Burrington Road, Harris Mountain Road, Mountain Road, Mohawk Trail (State Route 2), and Avery Brook Road. Land uses in this area primarily consist of forested lands and single-family properties. Vegetation along the existing electrical distribution lines is regularly maintained. Wetlands in the area consist of wooded swamps.

2.1 Resource Area Summary

BSC conducted both a Desktop Analysis using MassGIS data layers including FEMA National Flood Hazard Mapping, Natural Heritage and Endangered Species Program (NHESP) Priority and Estimated Habitat, Areas of Critical Environmental Concern (ACEC), Activity and Use Limitation (AUL) sites, Outstanding Resource Waters (ORW), Surface Water Protection Zones and Wellhead Protection Areas (Zones I and II), and Department of Fish and Wildlife (DFW) Coldwater Fisheries Resources, and performed sites visits and wetland delineations during the summer of 2024. Wetland delineations were conducted in accordance with the methodology described in the MassDEP *Handbook on Delineating Bordering Vegetated Wetlands* (Published in March 1995).

Based on this analysis, activities were identified within Bordering Land Subject to Flooding (BLSF), 200-ft Riverfront Area (RFA) associated with the Deerfield River, Hartwell Brook, and Avery Brook, 100-ft Buffer Zone to Bordering Vegetated Wetland (BVW) and Inland Bank, and NHESP Priority and Estimated Habitat associated with the Deerfield River. Existing conditions, wetland resource areas including wetlands, Riverfront Area and Buffer Zones in relation to the proposed activities are shown on the Environmental Resources Map in **Attachment B**. Representative Photographs of site conditions along the distribution lines are provided in **Attachment C**.

2.3 Other Resource Areas

Other resource areas within the Project area include Natural Heritage and Endangered Species Program (NHESP) Priority and Estimated Habitat associated with the Deerfield River. No other jurisdictional resource areas including certified or potential Vernal Pools, Areas of Critical Environmental Concern (ACEC), Activity and Use Limitation (AUL) sites or MassDEP 21E sites, Outstanding Resource Waters, or Wellhead Protection Areas were identified within the Project area.

According to the current (2021) version of the NHESP atlas of Priority and Estimated Habitats, a portion of the Project is located within Priority and Estimated Habitat for rare species. However, the proposed Project activities are exempt from MESA review in accordance with 321 CMR 10.14(10), which exempts Projects and activities from review that include “*installation, repair, replacement, and maintenance of utility lines (gas, water, sewer, phone, electrical) for which all associated work is within ten feet from the edge of existing paved roads.*”

3.0 PROJECT ACTIVITIES AND ANTICIPATED IMPACTS

The Project consists of the addition of a second overhead distribution line along an existing corridor. Specific project activities include the installation of eighty-nine (89) new utility poles, the replacement of one-hundred and eighty-nine (189) utility poles, and the installation and/or replacement of overhead line. The Project has been designed to avoid adverse impacts to the greatest possible extent. Project impacts are limited to previously disturbed roadway shoulder. Details on the proposed activities are discussed further in the following sections. The work can begin as soon as the project is permitted.

3.1 Utility Pole Installation

MECO is proposing to install eighty-nine (89) new utility poles along South River Road, Burrington Road, Harris Mountain Road, Mountain Road, Mohawk Trail (State Rte 2), and Avery Brook Road. Each utility pole will be installed using truck-mounted equipment to auger a hole to a depth of approximately six (6) feet. The pole will be directly embedded and excavated soils will be used to backfill the hole. Any excess spoils will be removed from site and disposed of properly. The entire installation process will permanently disturb approximately four (4) square feet and will take a few hours to a day to complete per pole. Sediment controls will be installed prior to construction. Any disturbed areas resulting from the pole installation will be restored to pre-existing conditions to the extent practicable.

All disturbed soil surfaces will be stabilized and restored to pre-construction contours and surface conditions. Sediment and erosion controls will remain in place until the area has fully stabilized. Please refer to **Attachment D** for additional details on MECO’s BMPs.

Table 1: Proposed pole installations subject to review under the WPA. *Indicates tree removals for overhead line are jurisdictional, but the pole installation location is outside of resource area.

Pole(s)	Location	Resource Area/Buffer Zone
15-50, 17, 17-50, 18, 19-50, 20*, 21-50, 22, 23, 24-50, 25-25, 30, 30-50, 36-50, 39, 39-50, and 102	Avery Brook Road	100-ft BZ to Inland Bank, 200-ft Riverfront Area
20-50*, 37*	Avery Brook Road	200-ft Riverfront Area
25-50	Avery Brook Road	Within 10-ft of BVW
1-50	East Hawley Road	Within 10-ft of BVW, BLSF, 200-ft Riverfront Area
1-50, 2-50, 27	South River Road	200-ft Riverfront Area
5-50, 37, 39, 41, 45, 57	South River Road	BLSF, 200-ft Riverfront Area
8-50	South River Road	Within 10-ft of BVW, 200-ft Riverfront Area
14-50, 43, 53, 55	South River Road	BLSF, 200-ft Riverfront Area, 100-ft BZ to BVW
28, 29, 31, 33, 35, 59, 61, 63	South River Road	200-ft Riverfront Area, 100-ft BZ to BVW/Inland Bank
12-50, 13-25, 16-50, 17-50, 18-50-84, 19-50-84, 47, 49, 51	South River Road	BLSF, pole installation does not require tree removals

Table 2: Proposed tree removals subject to review under the WPA. *Indicates the pole installation is not jurisdictional under the WPA; however, the tree is located within jurisdiction.

Pole	Tree Species & Count	Comments	Location
63	Birch Sp. (1)	Removed from BZ and RFA	S River Rd
61	Poplar Sp. (1)	Removed from BZ and RFA	S River Rd
59	Ash Sp. (2) Oak Sp. (3)	Removed from BZ and RFA	S River Rd
55	Ash Sp. (8)	Removed from BZ, RFA and BLSF	S River Rd
53	Ash Sp. (5), Birch Sp. (1)	Removed from BZ, RFA and BLSF	S River Rd
45	Birch Sp. (2)	Removed from RFA and BLSF	S River Rd
43	Elm Sp. (1), Birch Sp. (1)	Removed from BZ, RFA and BLSF	S River Rd
41	Birch Sp. (6), Poplar Sp. (1), Oak Sp. (1), Ash Sp. (1)	Removed from BZ, RFA and BLSF	S River Rd
39	Birch Sp. (2)	Removed from BLSF and RFA	S River Rd
37	Birch Sp. (5), Poplar Sp. (2)	Removed from RFA	S River Rd
35	Birch Sp. (2), Poplar Sp. (1)	Removed from BZ and RFA	S River Rd
33	Birch Sp. (3), Oak Sp. (1), Maple Sp. (1)	Removed from RFA	S River Rd
31	Birch Sp. (5)	Removed from BZ and RFA	S River Rd
29	Oak Sp. (1)	Removed from BZ and RFA	S River Rd
28	Oak Sp. (1)	Removed from BZ and RFA	S River Rd
27	Oak Sp. (1), Maple Sp. (1)	Removed from RFA	S River Rd
14-50	Maple Sp. (1), Pine Sp. (1)	Removed from BZ, RFA and BLSF	S River Rd
8-50	Oak Sp. (2), Ash Sp. (1)	Removed from BZ and RFA	S River Rd
5-50	Cherry Sp. (1)	Removed from RFA	S River Rd
2-50	Poplar Sp. (1)	Removed from BZ and RFA	S River Rd
1-50	Birch Sp. (1)	Removed from BZ and RFA	S River Rd
15-50	Pine Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
17	Maple Sp. (1), Oak Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
17-50	Ash Sp. (2)	Removed from BZ and RFA	Avery Brook Rd
18	Birch Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
19-50	Pine Sp. (2)	Removed from BZ and RFA	Avery Brook Rd
20*	Hemlock Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
20-50*	Maple Sp. (2)	Removed from RFA	Avery Brook Rd
21-50	Pine Sp. (1), Maple Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
22*	Pine Sp. (5)	Removed from BZ and RFA	Avery Brook Rd
23	Birch Sp. (1), Hemlock Sp. (1), Oak Sp. (1)	Removed from BZ (oak) and RFA (Hemlock & Birch)	Avery Brook Rd
24-50	Hemlock Sp. (3)	Removed from BZ and RFA	Avery Brook Rd
25-25	Birch Sp. (1), Hemlock Sp. (1), Maple Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
30	Maple Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
30-50	Birch Sp. (3), Hemlock Sp. (2), Oak Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
36-50	Ash Sp. (2), Poplar Sp. (2)	Removed from BZ and RFA	Avery Brook Rd
37*	Birch Sp. (4), Poplar Sp. (2)	Removed from RFA	Avery Brook Rd

39	Ash Sp. (2), Cottonwood (1)	Removed from BZ and RFA	Avery Brook Rd
39-50	Maple Sp. (2), Hemlock Sp. (1), Pine Sp. (1), Cottonwood Sp. (1), Birch Sp. (1), Ash Sp. (1)	Removed from BZ and RFA	Avery Brook Rd
102	Pine Sp. (2)	Removed from BZ and RFA	Avery Brook Rd

Tree Totals	RFA	BZ*	BLSF^	Total
Total	124	101	31	124

*Trees within buffer zone also overlap with RFA

^Trees within BLSF also overlap with BZ and RFA

4.0 ALTERNATIVES ANALYSIS

Due to the nature and purpose of the proposed activities, there are no practicable alternatives to the Project. The Project is necessary to maintain safe and reliable electrical service to the area. No significant adverse impacts on wetland resource areas or values protected by the WPA are anticipated.

5.0 CONFORMANCE WITH PERFORMANCE STANDARDS OF THE WPA

5.1 Limited Project Status

Although the Project meets the criteria to be considered a Limited Project as outlined in 310 CMR 10.53(3)(d), the Project has been designed to meet all applicable performance standards for each affected resource area. Nevertheless, in accordance with general condition 310 CMR 10.53(3)(d)(2), MECO will implement BMPs to ensure the adjacent resource areas are adequately protected, and impacts to the surrounding area are reduced, minimized, and restored to the maximum extent practicable. Project-specific BMPs are further discussed in Section 6.0.

5.2 Bordering Land Subject to Flooding

[310 CMR 10.57(4)(a)]: 1. Compensatory storage shall be provided for all flood storage volume that will be lost as the result of a proposed project within Bordering Land Subject to Flooding, when in the judgment of the issuing authority said loss will cause an increase or will contribute incrementally to an increase in the horizontal extent and level of flood waters during peak flows.

The installation of twenty (20) distribution poles is considered de minimis impacts to BLSF and will result in approximately 5.59 cubic feet of flood storage loss per pole or approximately 110 cubic feet of total fill within the shoulder of South River Road. The

cubic feet of flood storage area was calculated assuming a diameter at ground level of 16 inches for each new pole and that the flood stage is about four feet above the surface elevation at the pole location. The loss of 5.59 cubic fill at each pole location will not appreciably or incrementally increase the flood stage along S River Road. (See FEMA Firmette and Environmental Resources plan in **Attachment B**).

2. Compensatory storage shall mean a volume not previously used for flood storage and shall be incrementally equal to the theoretical volume of flood water at each elevation, up to and including the 100-year flood elevation, which would be displaced by the proposed project. Such compensatory volume shall have an unrestricted hydraulic connection to the same waterway or water body. Further, with respect to waterways, such compensatory volume shall be provided within the same reach of the river, stream or creek.

The installation of the proposed distribution poles on the shoulder of the road will have a de minimis impact to BLSF. MECO is not proposing to provide compensatory storage.

3. Work in those portions of bordering land subject to flooding found to be significant to the protection of wildlife habitat shall not impair its capacity to provide important wildlife habitat functions. Except for work which would adversely affect vernal pool habitat, a project or projects on a single lot, for which Notice(s) of Intent is filed on or after November 1, 1987, that (cumulatively) alter(s) up to 10% or 5,000 square feet (whichever is less) of land in this resource area found to be significant to the protection of wildlife habitat, shall not be deemed to impair its capacity to provide important wildlife habitat functions. Additional alterations beyond the above threshold, or altering vernal pool habitat, may be permitted if they will have no adverse effects on wildlife habitat, as determined by procedures contained in 310 CMR 10.60.

The Project includes the installation of additional mid-span utility poles along an existing distribution line along roadway shoulders. There is minimal significant habitat present within the existing transportation and utility corridor. While the Project will involve tree removal or trimming, these activities currently are conducted on a routine, cyclical basis to provide clearances from the existing overhead line. The Project will not significantly alter or impair the capacity of the area to provide important wildlife habitat functions.

5.3 200-foot Riverfront Area

Proposed activities within RFA associated with the Deerfield River, Hartwell Brook, and Avery Brook include the installation of seventy-five (75) poles. Forty-three (43) proposed poles can be considered exempt Riverfront activities under the WPA per 310 CMR 10.58(6)(b) and 310 CMR 10.02(2)(b)(2)(h) as the pole installations will be installed within 10-feet of the roadway, a minimum of 10-feet from edge of Bank or BVW, and no tree clearing is required. Thirty-nine (39) proposed poles do not meet the conditions to be considered an exempt Riverfront Activity due to tree removals associated with the new

utility pole installation/new overhead utility line installation and are included for review under the WPA. Please see **Table 2** for information on tree removals in RFA. The installation of 39 poles within RFA will alter approximately 156 sf of RFA along an existing transportation and utility corridor.

[310 CMR 10.58(4)(a)] – Protection of Other Resource Areas. The work shall meet the performance standards for all other resource areas within the riverfront area... When work in the riverfront area is also within the buffer zone to another resource area, the performance standards for the riverfront area shall contribute to the protection of the interests of M.G.L. c. 131 § 40 in lieu of any additional requirements that might otherwise be imposed on work in the buffer zone within the riverfront area.

The Project has been designed to conform to the performance standards of other resource areas as described in this Notice of Intent.

[310 CMR 10.58(4)(b)] – Protection of Rare Species. No project may be permitted within the riverfront area which will have any adverse effect on specified habitat site of rare wildlife or upland, vertebrate or invertebrate species, as identified in the procedures established under 310 CMR 10.59 or 10.37, or which will have any adverse effect on vernal pool habitat certified prior to the filing of the Notice of Intent.

The Project includes the installation of additional mid-span utility poles along an existing distribution line along roadway shoulders. There is minimal significant habitat present within the existing transportation and utility corridor. While the Project will involve tree removal or trimming, these activities currently are conducted on a routine, cyclical basis to provide clearances from the existing overhead line and the roadway. The Project will not significantly alter or impair the capacity of the area to provide important wildlife habitat functions.

[310 CMR 10.58(4)(c)] – Practicable and Substantially Equivalent Economic Alternatives. There must be no practicable and substantially equivalent economic alternative to the proposed project with less adverse effects on the interests identified in M.G.L. c. 131 § 40.

Section 4.0 summarizes the alternatives analysis conducted for this Project. Work within Riverfront Area has been limited as much as possible. There are no practicable and substantially equivalent economic alternatives to the Project with less adverse effects on the interests identified in the Act.

[310 CMR 10.58(4)(d)] – No Significant Adverse Impact. The work, including proposed mitigation measures, must have no significant adverse impact on the riverfront area to protect the interests identified in M.G.L. c. 131, § 40.

The permanent alteration of disturbed road shoulder associated with utility pole installations will result in approximately 156 square feet in altered surface area. This will result in a 0.0027 % alteration¹ within a maintained road shoulder. Vegetation clearing and trimming will be limited to the work areas for proposed installations along Avery Brook Road and South River Road where 123 trees will be removed for the installation of thirty-nine (39) new poles and the associated overhead installation. Tree removals are along an existing transportation and utility corridor that is currently subject to cyclical vegetation management to keep the roadway clear and to maintain clearances from the existing overhead line. During construction, MECO will implement BMPs to protect resource areas. Following the completion of work, crews will restore disturbed areas to meet pre-construction conditions to the maximum extent practicable. MECO recognizes that maintaining/reestablishing the natural vegetation within the Riverfront Area is critical to protecting water supplies, providing flood control, preventing pollution, and protecting wildlife and fisheries habitat.

6.0 PROPOSED AVOIDANCE AND MINIMIZATION MEASURES

6.0 AVOIDANCE, MINIMIZATION, AND MITIGATION MEASURES

MECO has established procedures that are to be followed by all employees and its contractors for accessing sites and performing construction and maintenance activities on transmission and distribution line ROWs. These procedures ensure that MECO's projects are completed in accordance with all applicable environmental laws and regulations as well as with MECO policies and compliance objectives. The following sections provide a summary of BMPs that will be implemented for this Project. See **Attachment D** for an excerpt of MECO's Environmental Guidance Document, Access, Maintenance and Construction Best Management Practices.

6.1 Sediment and Erosion Controls

Sediment control measures will be installed prior to the commencement of work as necessary. These controls will function to mitigate work-related erosion and sedimentation, and to serve as a physical boundary that delineate work areas and contain construction activities within approved locations. Erosion and sediment control measures may include mulching and straw wattles or similar treatment. BMPs will be inspected and maintained in working order until all disturbed areas are stabilized. Please refer to **Attachment D** for erosion and sediment control details.

¹ Riverfront Area on the project site state on the WPA Form is 108,387 sq. ft. This was calculated by totaling the RFA within the Public Way and within 10-ft of each pole on privately owned land within the mapping index.

6.2 Dewatering

If dewatering is needed for pole or ground grid installation discharge water will be pumped through a filter bag located in an upland area, surrounded with additional sediment filtration such as fiber rolls, hay bales, or other appropriate containment. Refer to **Attachment D** for details.

6.3 Construction Access

Access to the work area will be from the existing paved roadway and unpaved road shoulder of South River Road, Burrington Road, Harris Mountain Road, Mountain Road, Mohawk Trail (State Rte 2), and Avery Brook Road.

6.4 Vegetation Management

Prior to commencement of work, vegetation around the area of the proposed pole installations will be trimmed and/or removed. Tree debris will be removed off site.

6.5 Restoration of Disturbed Areas

Temporarily disturbed areas will be returned to pre-construction conditions to the extent practicable. As necessary, disturbed areas will be seeded with an upland conservation seed mixture and/or mulched and allowed to re-vegetate. Erosion and sediment control devices will be removed following stabilization of disturbed areas. In addition, all construction vehicles, construction debris, and non-biodegradable controls will be removed from the site during restoration.

7.0 CONCLUSION

Although portions of the Project will occur within BLSF, Riverfront Area, and 100-ft Buffer Zone to BVW and Inland Bank, the proposed Project will:

- Minimize disturbance by utilizing existing disturbed areas to the greatest extent practicable;
- Result in only minimal permanent impacts to RFA, BLSF, and Buffer Zone; and
- Utilize appropriate BMPs to protect wetland resource areas from sedimentation during construction activities.

Therefore, MECO requests the Charlemont Conservation Commission find this proposal adequately protective of the public interests identified in the WPA and issue an Order of Conditions for utility poles and overhead line installation.

Attachment B

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

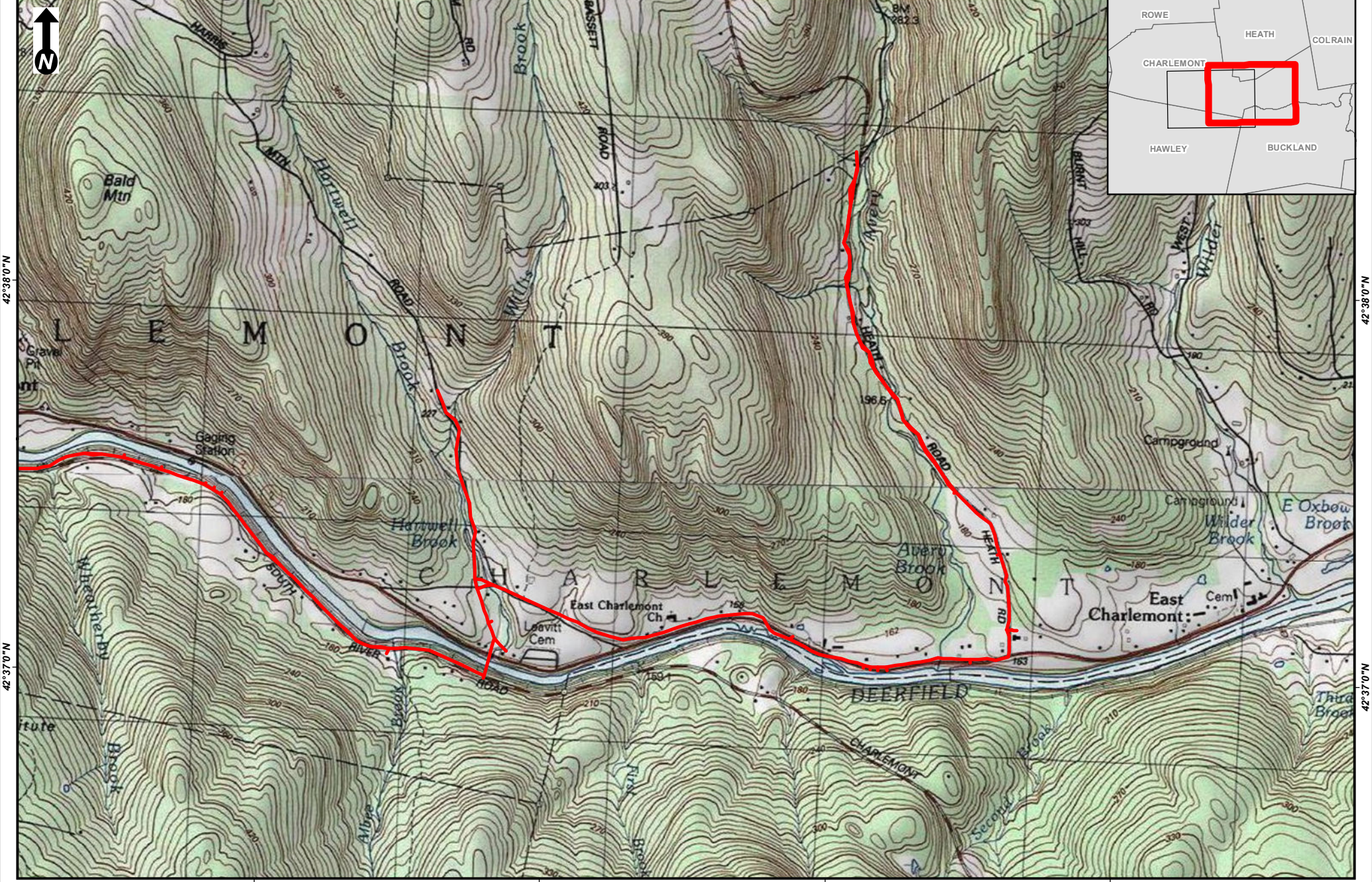
USGS SITE LOCUS MAP
ENVIRONMENTAL RESOURCE MAP
FEMA FIRM MAP

72°51'0"W

72°50'0"W

72°49'0"W

72°48'0"W



42°38'0"N

42°37'0"N

42°38'0"N

42°37'0"N

72°51'0"W

72°50'0"W

72°49'0"W

72°48'0"W

Scale: 1:24,000
1 inch = 2,000 feet

0 1,000 2,000

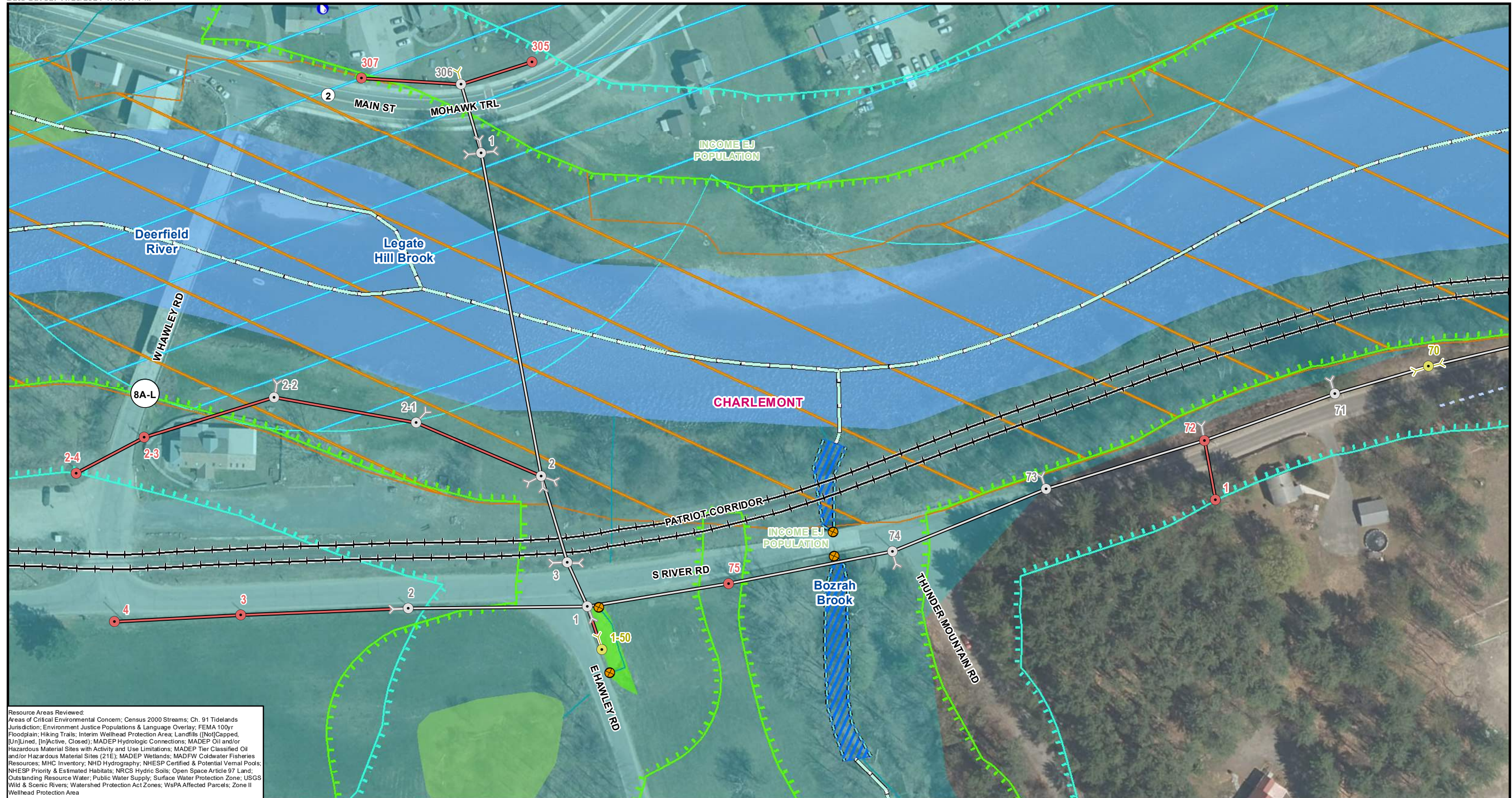
Feet

(Page Size 8.5 x 11)

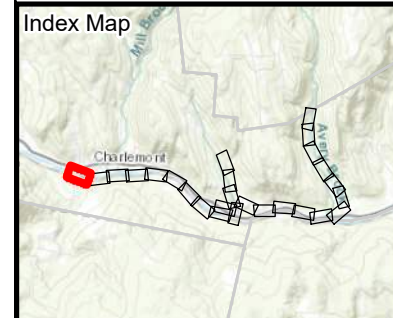
BEAR SWAMP FEEDER CONVERSION
USGS Site Location Map
Charlemont, MA
Page 2 of 2

Source: Copyright:©
2013 National
Geographic Society, i-
cubed

nationalgrid
BSC GROUP



Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills (Not/Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	— NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
● Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
● Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	🗑 Catch Basin	
✕ Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	🗑 Culvert	
➔ Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	🗑 Estimated Culvert	
➔ Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	🗑 Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

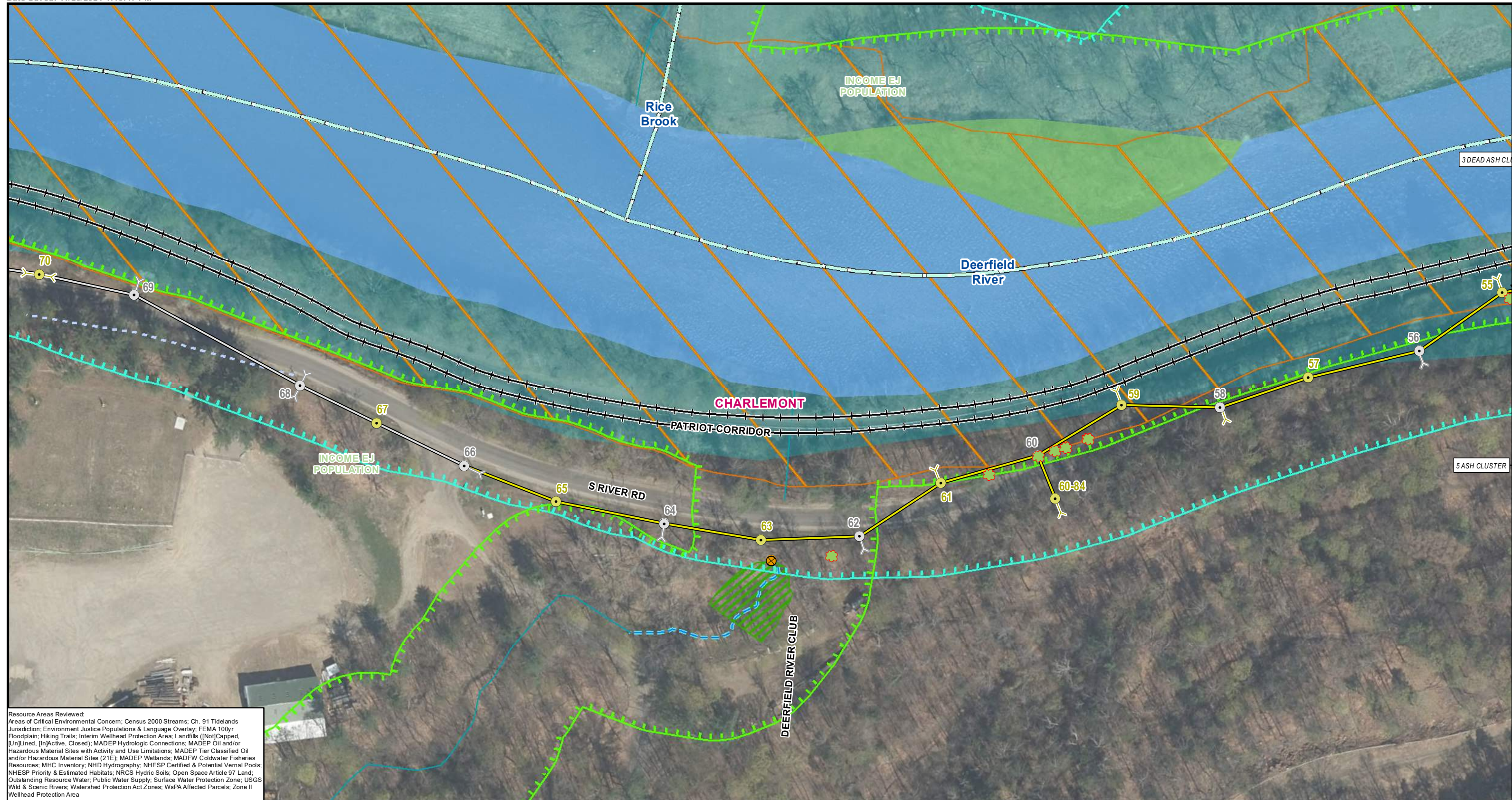
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

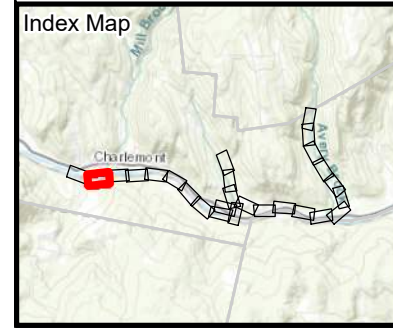
Charlemont, MA
 Page 1 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADEP Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	— NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
— Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
— Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	☐ Catch Basin	
— Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	☒ Culvert	
— Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	☒ Estimated Culvert	
— Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	☒ Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

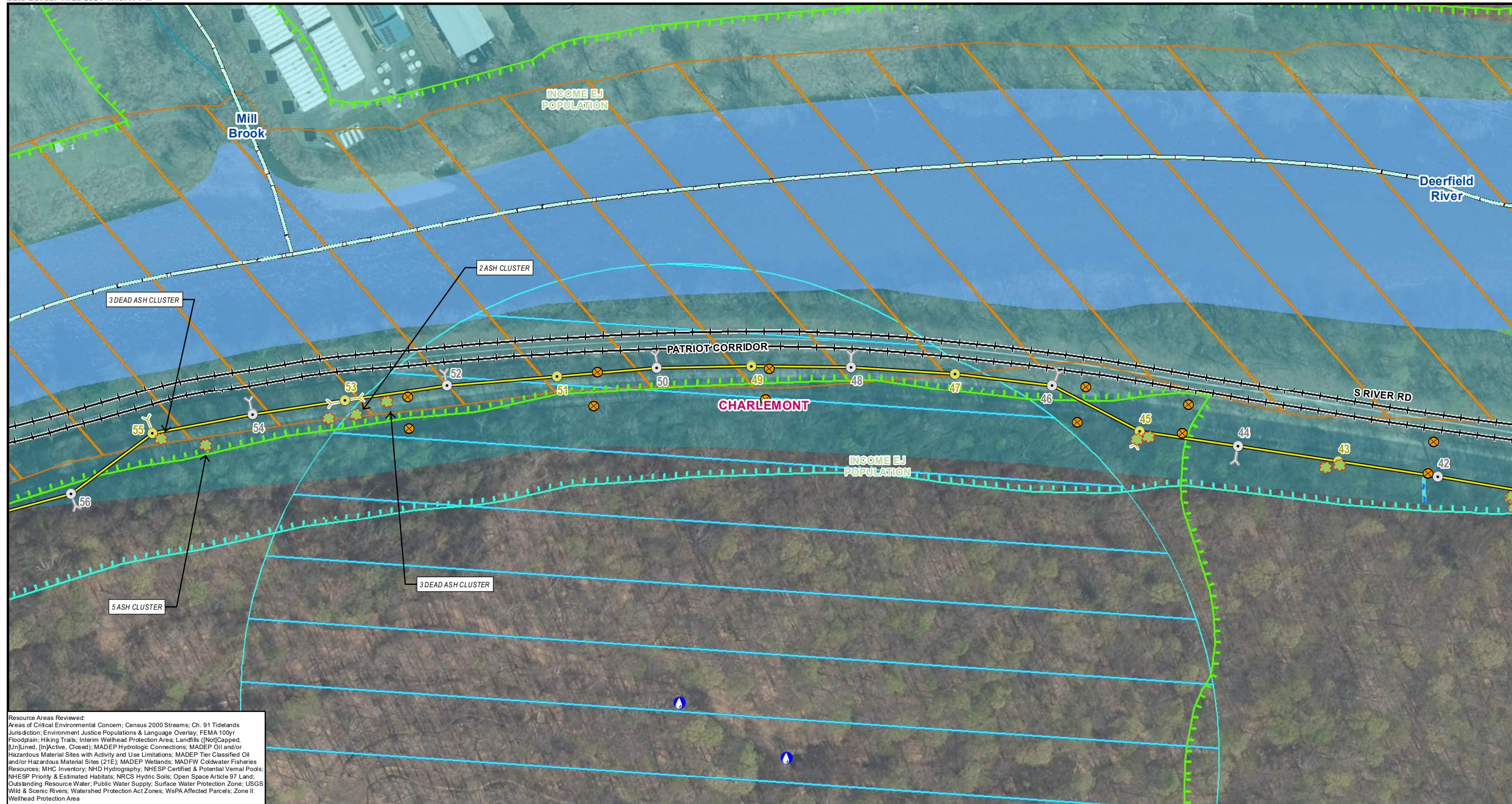
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

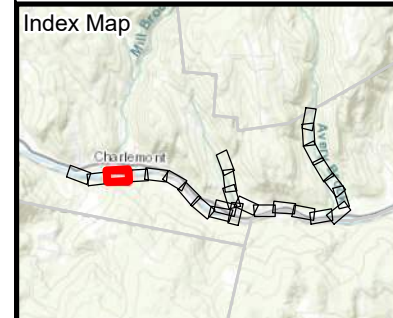
Charlemont, MA
 Page 2 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	▨ NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	▨ Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	▨ Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	▨ Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
— Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
— Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	☐ Catch Basin	
— Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	☐ Culvert	
— Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	☐ Estimated Culvert	
— Replace Pushbrace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	☐ Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

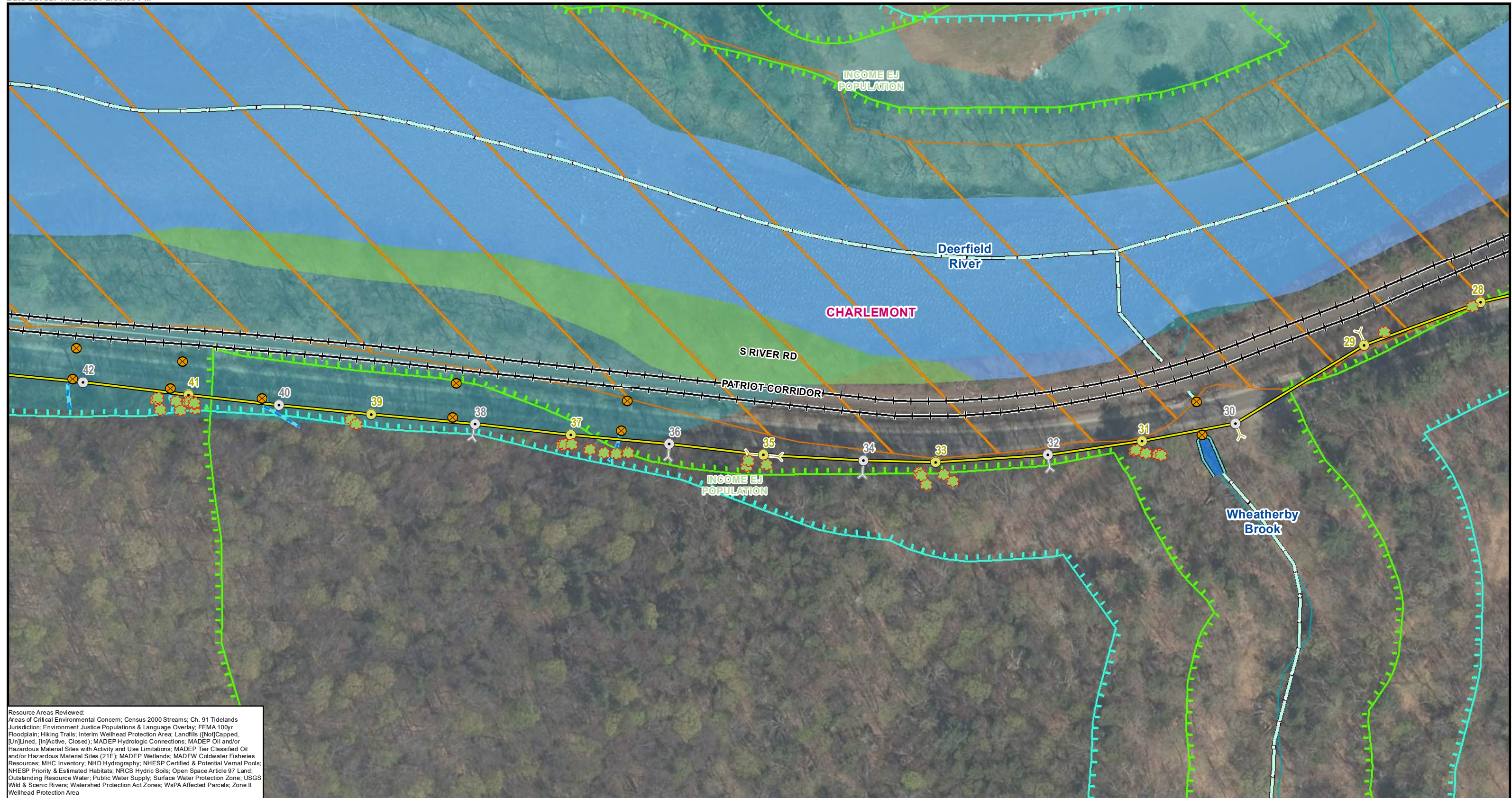
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

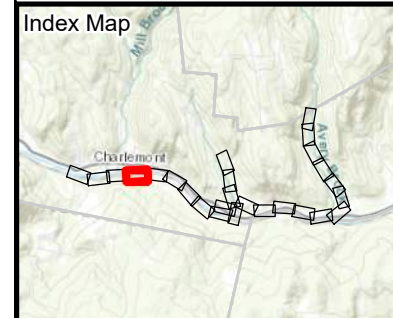
Charlemont, MA
 Page 3 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	— NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
— Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
— Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	— Catch Basin	
— Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	— Culvert	
— Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	— Estimated Culvert	
— Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	— Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

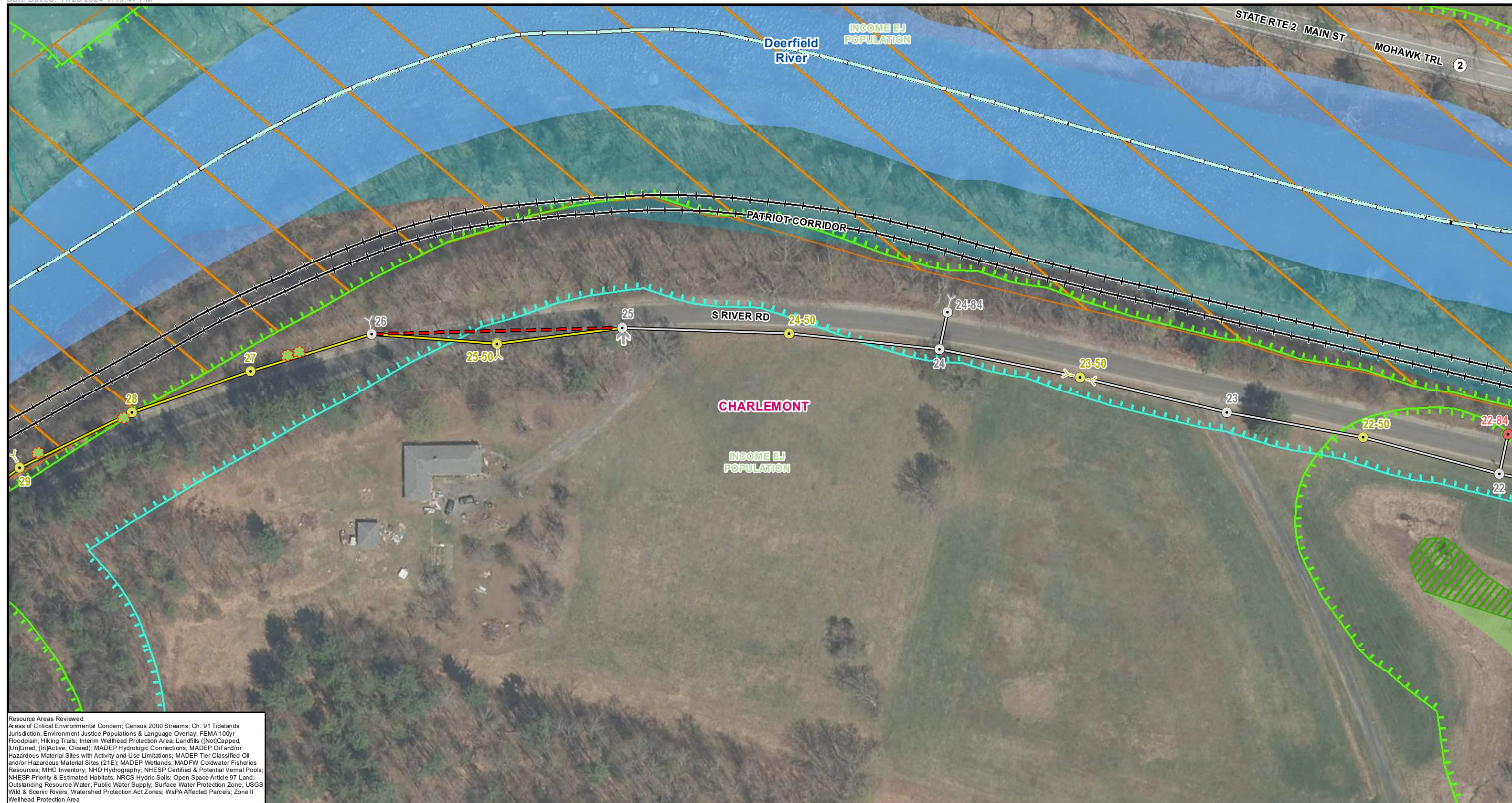
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

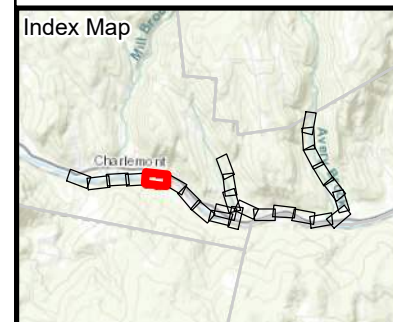
Charlemont, MA
 Page 4 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	▨ NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	▨ Field Delineated Wetland*	☀ Potential Vernal Pools	▭ Town Boundary
● Replace Structure	— Replace Overhead Line	▨ Estimated Wetland	💧 Public Water Supply	▭ Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	▨ Coldwater Fisheries Resources	— Interim Wellhead Protection Area	▭ Income
— Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
— Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	☐ Catch Basin	
— Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	☐ Culvert	
— Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	☐ Estimated Culvert	
— Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	☐ Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

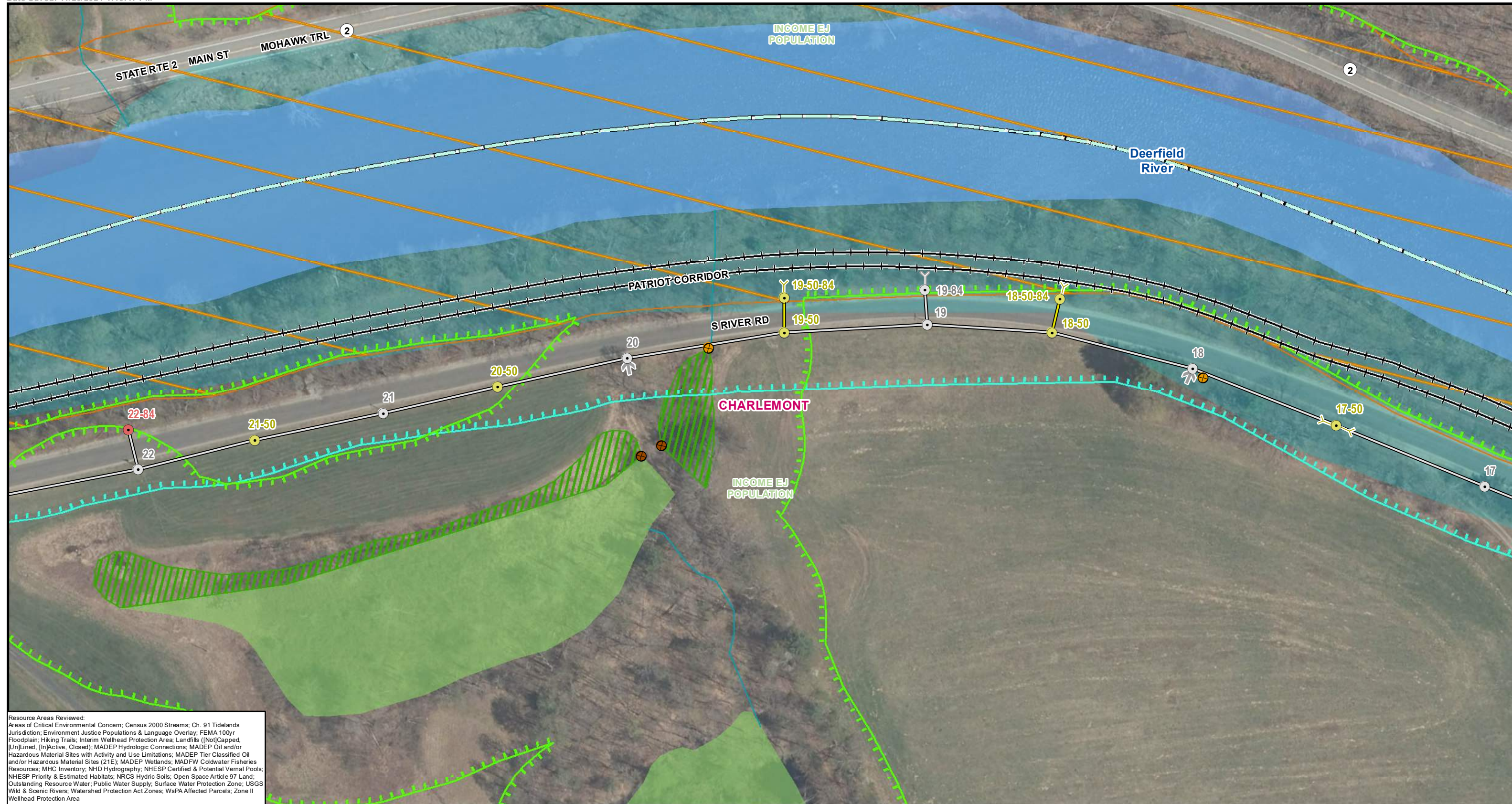
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

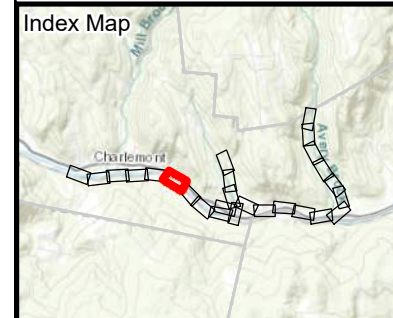
Charlemont, MA
 Page 5 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills (Not)Capped, (Un)Lined, (In)Active, Closed; MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

<ul style="list-style-type: none"> Existing Structure Install Structure Replace Structure Remove Structure Install Anchor Replace Anchor Remove Anchor Install Pushbrace Replace Push Brace 	<ul style="list-style-type: none"> Existing Overhead Line Install Overhead Line Replace Overhead Line Remove Overhead Line Field Delineated Stream Centerline Field Delineated Stream Bank Estimated Stream Centerline Estimated Stream Bank Estimated Non-jurisdictional Ditch Field Delineated Stream Area* Estimated Stream Area 	<ul style="list-style-type: none"> Field Delineated Wetland Line Field Delineated Wetland* Estimated Wetland Coldwater Fisheries Resources Perennial Stream MADEP Hydrologic Connections MADEP Wetlands* MADEP Open Water* 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA Digitized from FIRMETTE 	<ul style="list-style-type: none"> NHESP Priority & Estimated Habitats Potential Vernal Pools Public Water Supply Interim Wellhead Protection Area Railroad Catch Basin Culvert Estimated Culvert Tree to be Removed 	<ul style="list-style-type: none"> Guardrail Town Boundary Environmental Justice Populations 2020 Income
---	---	--	--	--

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

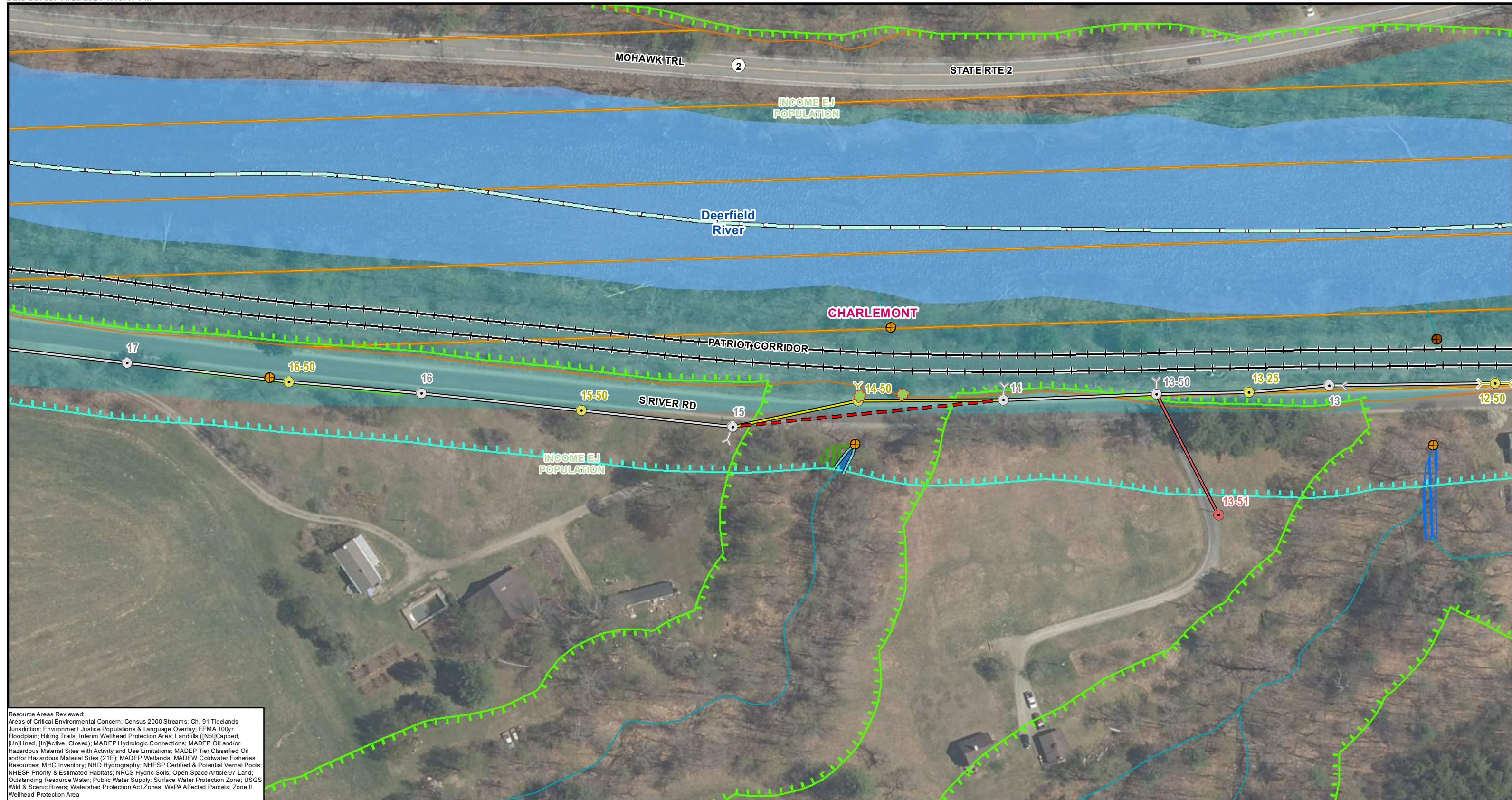
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

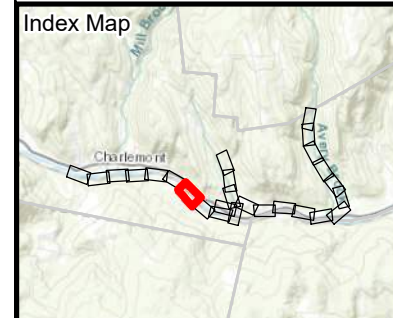
Charlemont, MA
 Page 6 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend *Pole Locations are Approximate*

<ul style="list-style-type: none"> ● Existing Structure ● Install Structure ● Replace Structure ✕ Remove Structure ⌵ Install Anchor ⌵ Replace Anchor ⌵ Remove Anchor ➔ Install Pushbrace ➔ Replace Pushbrace 	<ul style="list-style-type: none"> — Existing Overhead Line — Install Overhead Line — Replace Overhead Line — Remove Overhead Line — Field Delineated Stream Centerline — Field Delineated Stream Bank — Estimated Stream Centerline — Estimated Stream Bank — Estimated Non-jurisdictional Ditch — Field Delineated Stream Area* — Estimated Stream Area 	<ul style="list-style-type: none"> — Field Delineated Wetland Line — Field Delineated Wetland* — Estimated Wetland — Coldwater Fisheries Resources — Perennial Stream — MADEP Hydrologic Connections — MADEP Wetlands* — MADEP Open Water* — 100ft Buffer to Wetlands & Streams — 200ft Riverfront Area — FEMA Digitized from FIRMETTE 	<ul style="list-style-type: none"> — NHESP Priority & Estimated Habitats ☀ Potential Vernal Pools 💧 Public Water Supply — Interim Wellhead Protection Area — Railroad — Catch Basin ⊗ Culvert ⊗ Estimated Culvert ✂ Tree to be Removed 	<ul style="list-style-type: none"> — Guardrail — Town Boundary — Environmental Justice Populations 2020 — Income
---	--	---	--	--

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

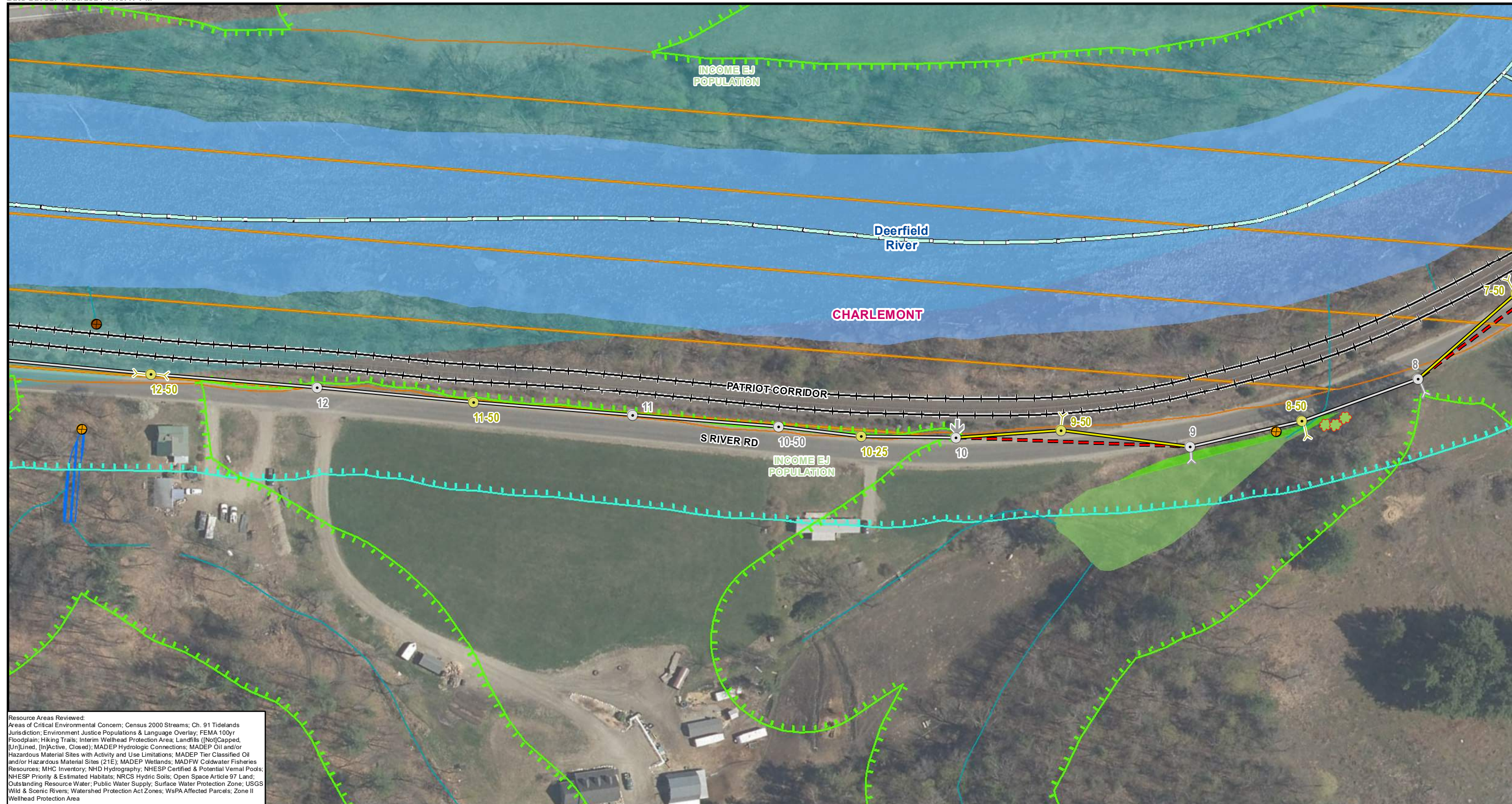
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

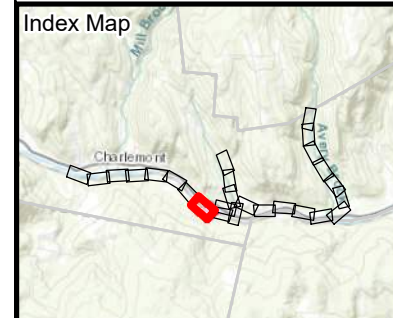
Charlemont, MA
 Page 7 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	— NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
⚓ Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
⚓ Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	☐ Catch Basin	
✕ Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	☐ Culvert	
➔ Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	☐ Estimated Culvert	
➔ Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	☐ Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

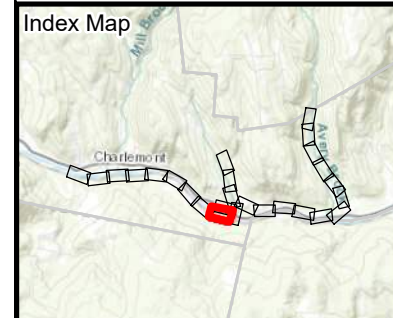
Charlemont, MA
 Page 8 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

<ul style="list-style-type: none"> Existing Structure Install Structure Replace Structure Remove Structure Install Anchor Replace Anchor Remove Anchor Install Pushbrace Replace Push Brace 	<ul style="list-style-type: none"> Existing Overhead Line Install Overhead Line Replace Overhead Line Remove Overhead Line Field Delineated Stream Centerline Field Delineated Stream Bank Estimated Stream Centerline Estimated Stream Bank Estimated Non-jurisdictional Ditch Field Delineated Stream Area* Estimated Stream Area 	<ul style="list-style-type: none"> Field Delineated Wetland Line Field Delineated Wetland* Estimated Wetland Coldwater Fisheries Resources Perennial Stream MADEP Hydrologic Connections MADEP Wetlands* MADEP Open Water* 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA Digitized from FIRMETTE 	<ul style="list-style-type: none"> NHESP Priority & Estimated Habitats Potential Vernal Pools Public Water Supply Interim Wellhead Protection Area Railroad Catch Basin Culvert Estimated Culvert Tree to be Removed 	<ul style="list-style-type: none"> Guardrail Town Boundary Environmental Justice Populations 2020 Income
---	---	--	--	--

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

BEAR SWAMP FEEDER CONVERSION

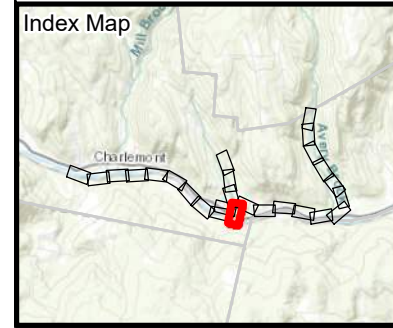
Environmental Resources Map

Charlemont, MA
 Page 9 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	— NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
— Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
— Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	— Catch Basin	
— Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	— Culvert	
— Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	— Estimated Culvert	
— Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	— Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

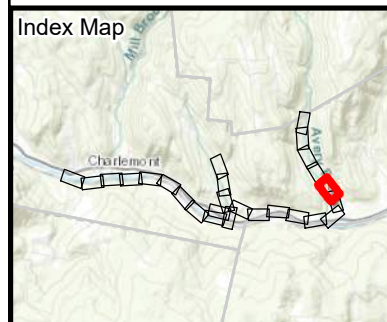
Charlemont, MA
 Page 10 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	■ NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	— Interim Wellhead Protection Area	— Income
⚓ Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	— Railroad	
⚓ Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	☐ Catch Basin	
✂ Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	☐ Culvert	
➔ Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	☐ Estimated Culvert	
➔ Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams	☐ Tree to be Removed	
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

Charlemont, MA
 Page 11 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Index Map

<p>Legend</p> <ul style="list-style-type: none"> Existing Structure Install Structure Replace Structure Remove Structure Install Anchor Replace Anchor Remove Anchor Install Pushbrace Replace Push Brace 	<p>Pole Locations are Approximate</p> <ul style="list-style-type: none"> Existing Overhead Line Install Overhead Line Replace Overhead Line Remove Overhead Line Field Delineated Stream Centerline Field Delineated Stream Bank Estimated Stream Centerline Estimated Stream Bank Estimated Non-jurisdictional Ditch Field Delineated Stream Area* Estimated Stream Area 	<ul style="list-style-type: none"> Field Delineated Wetland Line Field Delineated Wetland* Estimated Wetland Coldwater Fisheries Resources Perennial Stream MADEP Hydrologic Connections MADEP Wetlands* MADEP Open Water* 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA Digitized from FIRMETTE 	<ul style="list-style-type: none"> NHESP Priority & Estimated Habitats Potential Vernal Pools Public Water Supply Interim Wellhead Protection Area Railroad Catch Basin Culvert Estimated Culvert Tree to be Removed 	<ul style="list-style-type: none"> Guardrail Town Boundary Income
---	---	---	---	--

1 inch = 100 feet
 0 50 100
 Feet

**Indicates Layers Set to Transparency*

BEAR SWAMP FEEDER CONVERSION

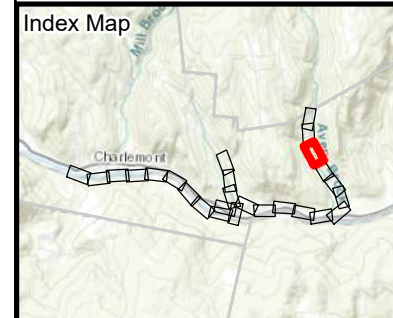
Environmental Resources Map

Charlemont, MA
Page 12 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend		Pole Locations are Approximate	
Existing Structure	Existing Overhead Line	Field Delineated Wetland Line	NHESP Priority & Estimated Habitats
Install Structure	Install Overhead Line	Field Delineated Wetland*	Potential Vernal Pools
Replace Structure	Replace Overhead Line	Estimated Wetland	Public Water Supply
Remove Structure	Remove Overhead Line	Coldwater Fisheries Resources	Interim Wellhead Protection Area
Install Anchor	Field Delineated Stream Centerline	Perennial Stream	Railroad
Replace Anchor	Field Delineated Stream Bank	MADEP Hydrologic Connections	Catch Basin
Remove Anchor	Estimated Stream Centerline	MADEP Wetlands*	Culvert
Install Pushbrace	Estimated Stream Bank	MADEP Open Water*	Estimated Culvert
Replace Pushbrace	Estimated Non-jurisdictional Ditch	100ft Buffer to Wetlands & Streams	Tree to be Removed
	Field Delineated Stream Area*	200ft Riverfront Area	
	Estimated Stream Area	FEMA Digitized from FIRMETTE	
			Guardrail
			Town Boundary
			Environmental Justice Populations 2020
			Income

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

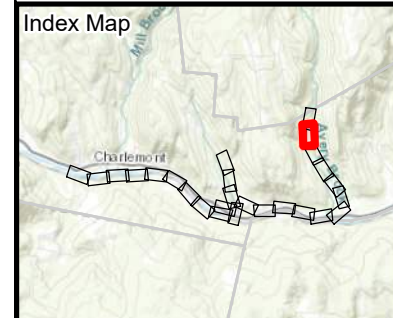
Charlemont, MA
 Page 13 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADFW Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

● Existing Structure	— Existing Overhead Line	— Field Delineated Wetland Line	■ NHESP Priority & Estimated Habitats	— Guardrail
● Install Structure	— Install Overhead Line	— Field Delineated Wetland*	☀ Potential Vernal Pools	— Town Boundary
● Replace Structure	— Replace Overhead Line	— Estimated Wetland	💧 Public Water Supply	— Environmental Justice Populations 2020
✕ Remove Structure	— Remove Overhead Line	— Coldwater Fisheries Resources	🚊 Railroad	— Income
📍 Install Anchor	— Field Delineated Stream Centerline	— Perennial Stream	📦 Catch Basin	
📍 Replace Anchor	— Field Delineated Stream Bank	— MADEP Hydrologic Connections	📦 Culvert	
✕ Remove Anchor	— Estimated Stream Centerline	— MADEP Wetlands*	📦 Estimated Culvert	
➔ Install Pushbrace	— Estimated Stream Bank	— MADEP Open Water*	🌳 Tree to be Removed	
➔ Replace Push Brace	— Estimated Non-jurisdictional Ditch	— 100ft Buffer to Wetlands & Streams		
	— Field Delineated Stream Area*	— 200ft Riverfront Area		
	— Estimated Stream Area	— FEMA Digitized from FIRMETTE		

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

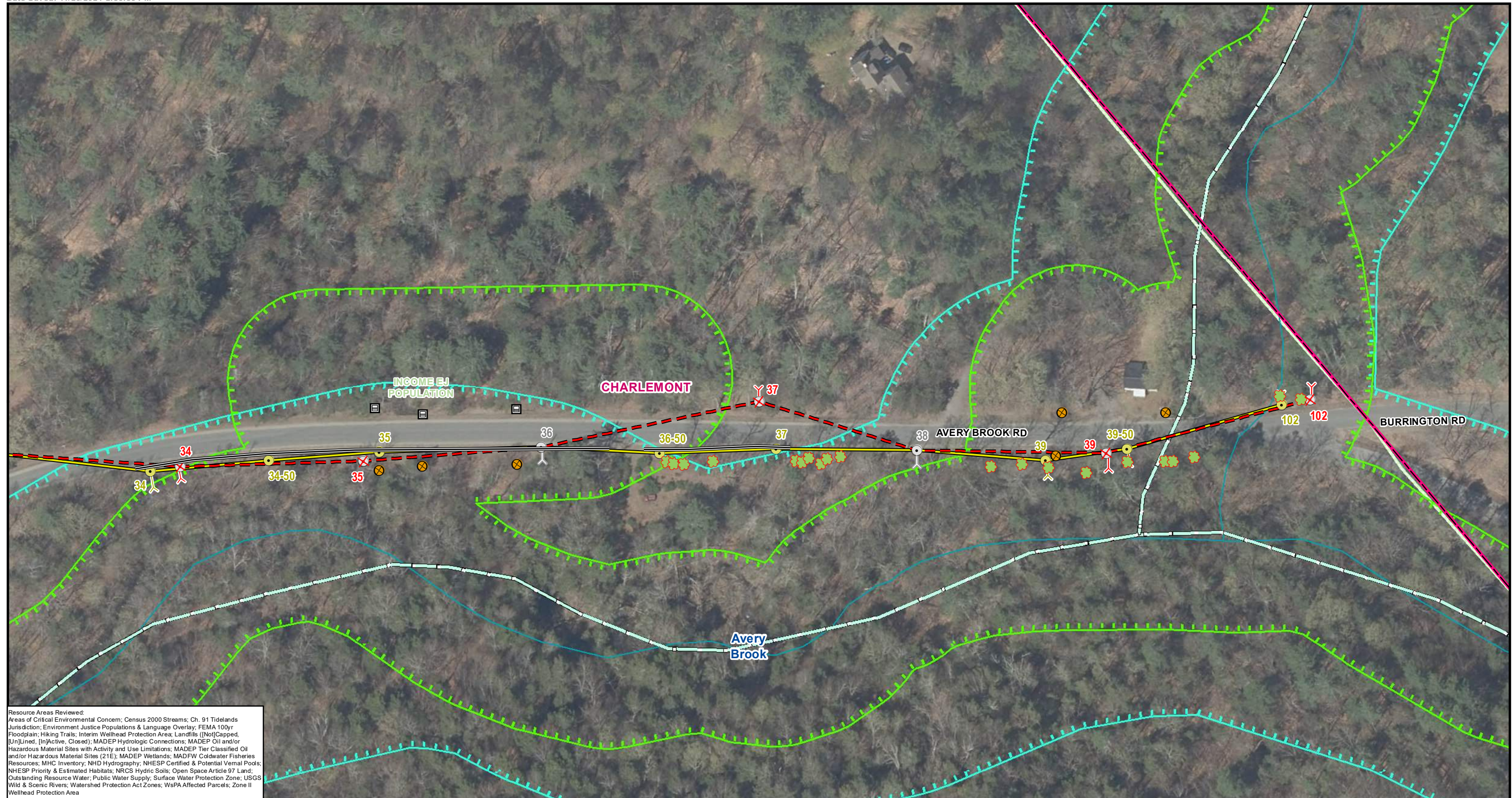
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

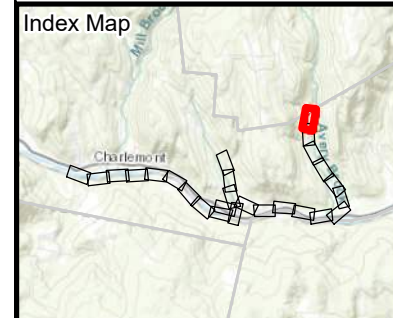
Charlemont, MA
 Page 14 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Resource Areas Reviewed:
 Areas of Critical Environmental Concern; Census 2000 Streams; Ch. 91 Tidelands Jurisdiction; Environment Justice Populations & Language Overlay; FEMA 100yr Floodplain; Hiking Trails; Interim Wellhead Protection Area; Landfills ([Not]Capped, [Un]Lined, [In]Active, Closed); MADEP Hydrologic Connections; MADEP Oil and/or Hazardous Material Sites with Activity and Use Limitations; MADEP Tier Classified Oil and/or Hazardous Material Sites (21E); MADEP Wetlands; MADEF Coldwater Fisheries Resources; MHC Inventory; NHD Hydrography; NHESP Certified & Potential Vernal Pools; NHESP Priority & Estimated Habitats; NRCS Hydric Soils; Open Space Article 97 Land; Outstanding Resource Water; Public Water Supply; Surface Water Protection Zone; USGS Wild & Scenic Rivers; Watershed Protection Act Zones; WsPA Affected Parcels; Zone II Wellhead Protection Area



Legend Pole Locations are Approximate

<ul style="list-style-type: none"> Existing Structure Install Structure Replace Structure Remove Structure Install Anchor Replace Anchor Remove Anchor Install Pushbrace Replace Push Brace 	<ul style="list-style-type: none"> Existing Overhead Line Install Overhead Line Replace Overhead Line Remove Overhead Line Field Delineated Stream Centerline Field Delineated Stream Bank Estimated Stream Centerline Estimated Stream Bank Estimated Non-jurisdictional Ditch Field Delineated Stream Area* Estimated Stream Area 	<ul style="list-style-type: none"> Field Delineated Wetland Line Field Delineated Wetland* Estimated Wetland Coldwater Fisheries Resources Perennial Stream MADEP Hydrologic Connections MADEP Wetlands* MADEP Open Water* 100ft Buffer to Wetlands & Streams 200ft Riverfront Area FEMA Digitized from FIRMETTE 	<ul style="list-style-type: none"> NHESP Priority & Estimated Habitats Potential Vernal Pools Public Water Supply Interim Wellhead Protection Area Railroad Catch Basin Culvert Estimated Culvert Tree to be Removed 	<ul style="list-style-type: none"> Guardrail Town Boundary Environmental Justice Populations 2020 Income
---	---	--	--	--

1 inch = 100 feet
 0 50 100
 Feet
 *Indicates Layers Set to Transparency

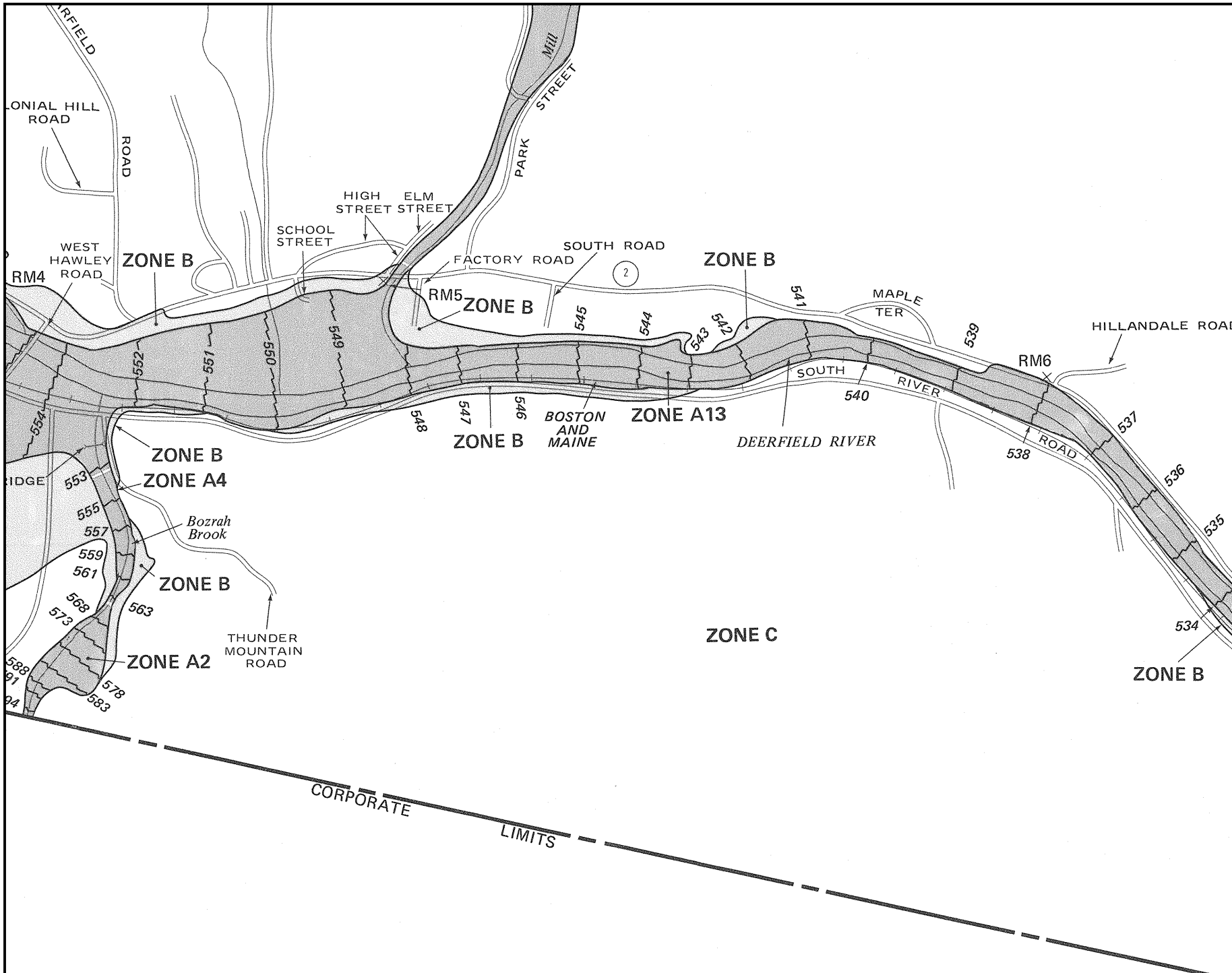
BEAR SWAMP FEEDER CONVERSION

Environmental Resources Map

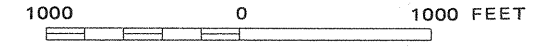
Charlemont & Heath, MA
 Page 15 of 15

MassGIS
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

TOWN OF
CHARLEMONT,
MASSACHUSETTS
FRANKLIN COUNTY

PANEL 5 OF 10

COMMUNITY-PANEL NUMBER
250112 0005 B

EFFECTIVE DATE:
JULY 2, 1980



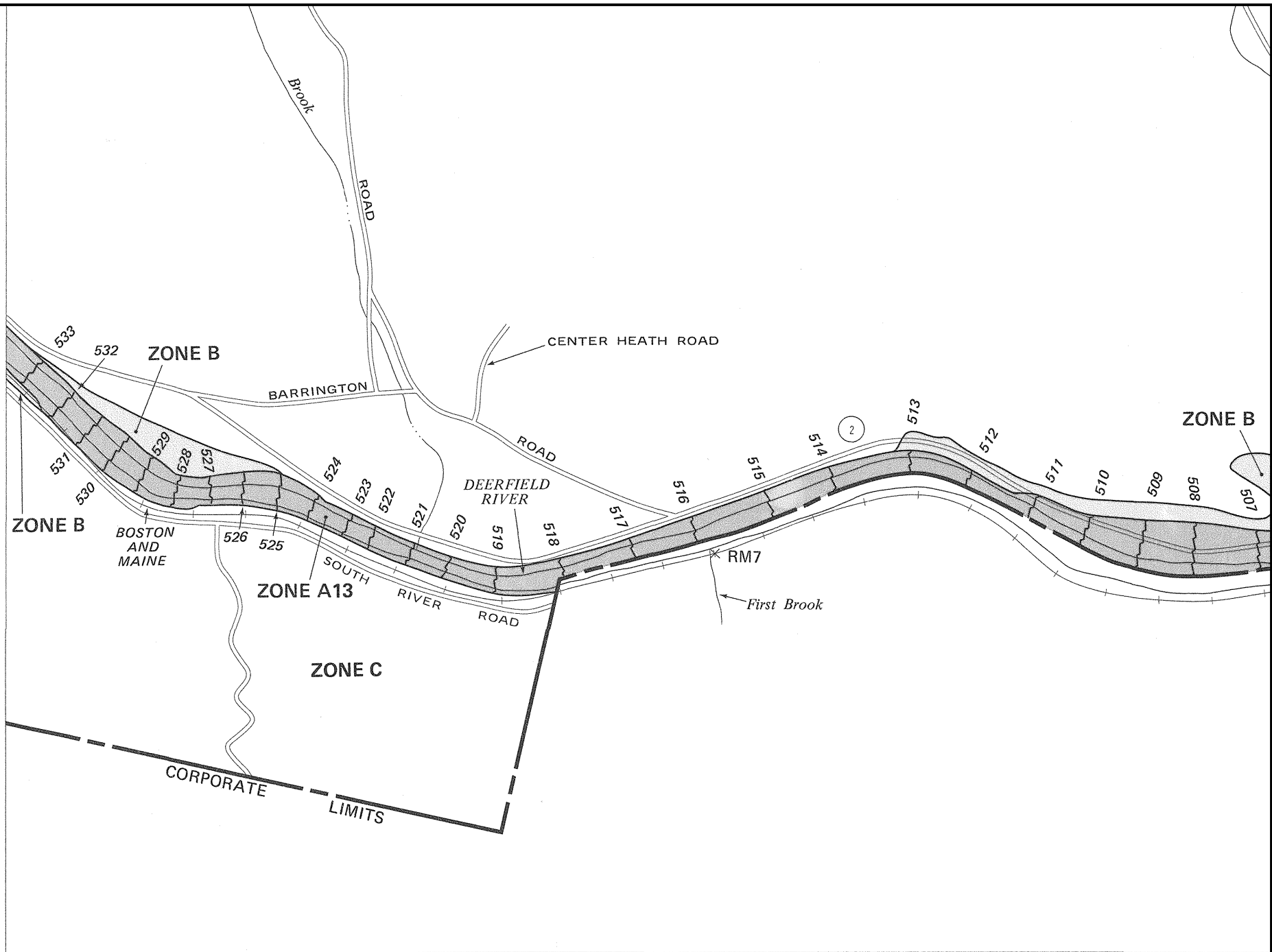
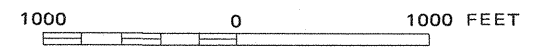
U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.

ogram, at (800) 638-6620, or (800) 424-8872.



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

TOWN OF
CHARLEMONT,
MASSACHUSETTS
FRANKLIN COUNTY

PANEL 10 OF 10

COMMUNITY-PANEL NUMBER
250112 0010 B

EFFECTIVE DATE:
JULY 2, 1980



U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.

Attachment C

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

SITE PHOTOGRAPHS

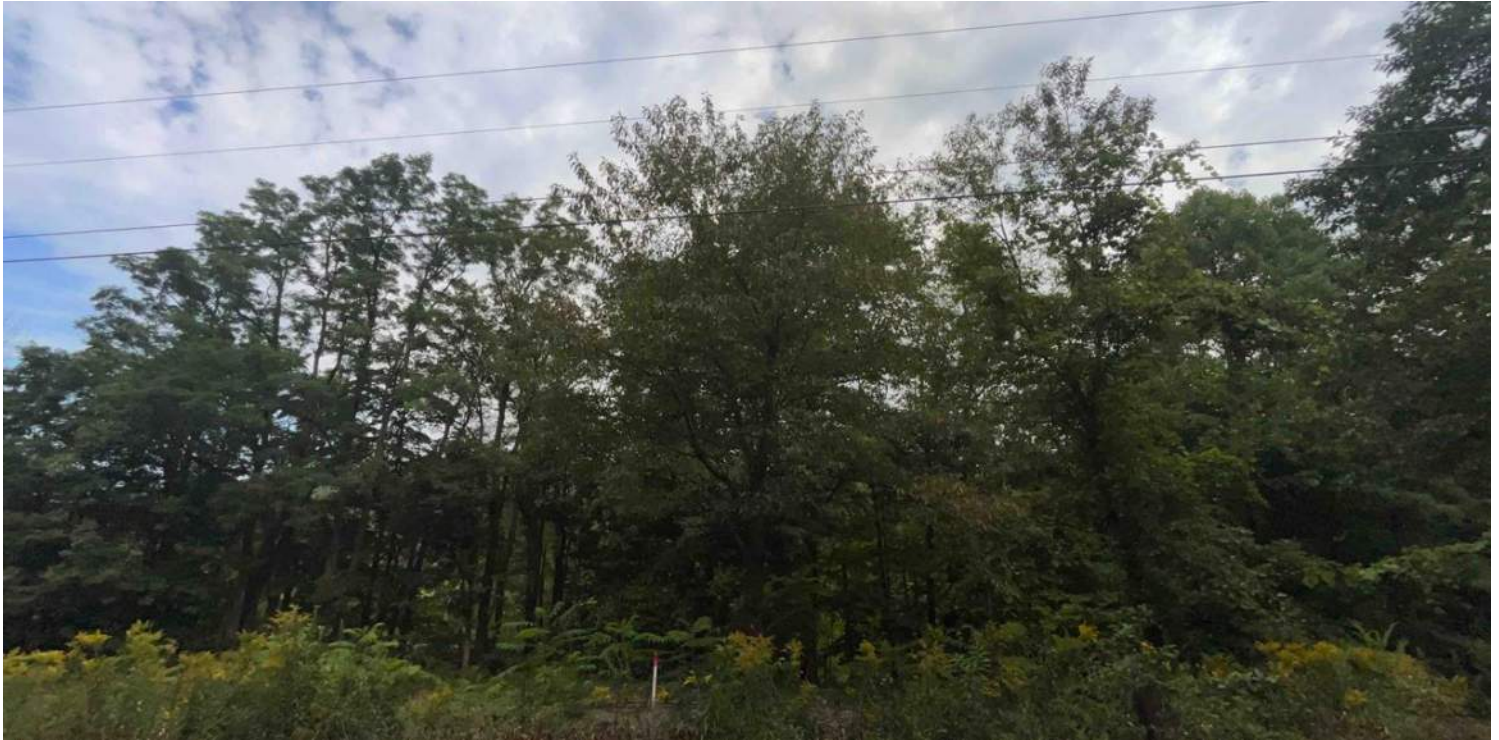


Photo #1: View of location for proposed Pole 5-50 and tree removal area on S River Rd within BLSF and the 100-foot Buffer Zone to BVW. Photo taken 8/26/2024. *Facing North.*



Photo #2: View of approximate location of proposed Pole 8-50 and tree removal area on S River Rd, indicated by white arrow, within 10-ft of a wetland. Photo taken 8/26/2024. *Facing southwest.*



Photo #3: View location for the installation of proposed Pole 14-50 on S River Rd within BLSF and the 100-foot Buffer Zone to BVW. Photo taken 8/26/2024. *Facing Northeast.*



Photo #4: View of approximate location of proposed Pole 17-50 on S River Rd, indicated by white arrow, within BLSF. Photo taken 6/25/2024. *Facing southwest.*



Photo #5: View of approximate location of proposed Pole 19-50, indicated by white arrow, and tree removal area on Avery Brook Rd. Two (2) trees are being removed within 100-ft buffer zone to inland bank and the 200-ft RFA associated with Avery Brook. Photo taken 7/19/2024. *Facing southwest.*



Photo #6: View of approximate location of proposed Pole 30-50, indicated by white arrow, and tree removal area on Avery Brook Rd. Several trees are being removed within 100-ft buffer zone to inland bank and the 200-ft RFA associated with Avery Brook. Photo taken 7/19/2024. *Facing east.*



Photo #7: View of approximate location of proposed Pole 36-50, indicated by white arrow, and tree removal area on Avery Brook Rd. Several trees are being removed within 100-ft buffer zone to inland bank and the 200-ft RFA associated with Avery Brook. Photo taken 7/19/2024. *Facing east.*



Photo #8: View of location for proposed pole 36-50 and tree removal area within the 200-ft RFA associated with Avery Brook. Photo taken 7/26/2024. *Facing east.*



Photo #9: View of location for proposed pole 5-1 along the off-road ROW off of Route 2 within 200-ft RFA. No tree removals are proposed. Photo taken 9/3/2024. *Facing east.*



Photo #10: View of approximate location for proposed pole 1-50 on East Hawley Road within 10-ft of BVW. No tree removals are proposed. Photo taken 9/11/2024. *Facing northeast.*

Attachment D

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

CERTIFIED LIST OF ABUTTERS
ABUTTERS NOTIFICATION LETTER



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Subject Property:

Parcel Number: 16-001
CAMA Number: 053/016.0-0000-0001.0
Property Address: 14 EAST HAWLEY RD

Mailing Address: BRISSON, JEAN M.
14 EAST HAWLEY ROAD
CHARLEMONT, MA 01339

Abutters:

Parcel Number: 16-001
CAMA Number: 053/016.0-0000-0001.0
Property Address: 14 EAST HAWLEY RD

Mailing Address: BRISSON, JEAN M.
14 EAST HAWLEY ROAD
CHARLEMONT, MA 01339

Parcel Number: 16-002
CAMA Number: 053/016.0-0000-0002.0
Property Address: 32 EAST HAWLEY RD

Mailing Address: LAWLESS, JOHN C & SUSAN
32 East Hawley Rd
Charlemont, MA 01339

Parcel Number: 16-013
CAMA Number: 053/016.0-0000-0013.0
Property Address: EAST HAWLEY RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 1 of 1



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Subject Property:

Parcel Number: 03-015-1
CAMA Number: 053/003.0-0000-0015.1
Property Address: 558 SOUTH RIVER RD

Mailing Address: 558 S. RIVER ROAD REALTY TRUST
PO BOX 834
CHARLEMONT, MA 01339

Abutters:

Parcel Number: 02-027
CAMA Number: 053/002.0-0000-0027.0
Property Address: 66 THUNDER MOUNTAIN RD.

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339

Parcel Number: 03-001
CAMA Number: 053/003.0-0000-0001.0
Property Address: SOUTH RIVER RD

Mailing Address: PAN AM SOUTHERN LLC
200 MERIDIAN CENTRE BLVD STE 300
ROCHESTER, NY 14618-3972

Parcel Number: 03-002
CAMA Number: 053/003.0-0000-0002.0
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339

Parcel Number: 03-003
CAMA Number: 053/003.0-0000-0003.0
Property Address: 262 SOUTH RIVER RD

Mailing Address: JOHNSON, DOUGLAS
262 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-004
CAMA Number: 053/003.0-0000-0004.0
Property Address: SOUTH RIVER RD

Mailing Address: OWNER UNKNOWN C/O ASSESSORS
OFFICE
PO BOX 337
CHARLEMONT, MA 01339

Parcel Number: 03-005
CAMA Number: 053/003.0-0000-0005.0
Property Address: SOUTH RIVER RD

Mailing Address: FEDER, MICHAEL P.
310 SOUTH RIVER ROAD
CHARLEMONT, MA 01339

Parcel Number: 03-006
CAMA Number: 053/003.0-0000-0006.0
Property Address: 310 SOUTH RIVER RD

Mailing Address: FEDER, MICHAEL P.
310 SOUTH RIVER ROAD
CHARLEMONT, MA 01339

Parcel Number: 03-007-1
CAMA Number: 053/003.0-0000-0007.0
Property Address: 336 SOUTH RIVER RD

Mailing Address: SHIELDS, THOMAS W. & SHIELDS, David E.
PO BOX 633
CHARLEMONT, MA 01339-0633

Parcel Number: 03-007
CAMA Number: 053/003.0-0000-0007.1
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE HIGHLANDS, LLC
66 THUNDER MOUNTAIN ROAD, PO Box 727
CHARLEMONT, MA 01339

Parcel Number: 03-008
CAMA Number: 053/003.0-0000-0008.0
Property Address: 420 SOUTH RIVER RD

Mailing Address: OVITT, BRIAN M & JOAN M
PO BOX 282
CHARLEMONT, MA 01339



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 1 of 3



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Parcel Number: 03-009
CAMA Number: 053/003.0-0000-0009.0
Property Address: 430 SOUTH RIVER RD

Mailing Address: ALBEE, JOHN C. & JAYCEE ALBEE
430 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-009-1
CAMA Number: 053/003.0-0000-0009.1
Property Address: 454 SOUTH RIVER RD

Mailing Address: LANOUE, JEREMY N. & JENNI L. L
454 SOUTH RIVER ROAD
CHARLEMONT, MA 01339-0023

Parcel Number: 03-010
CAMA Number: 053/003.0-0000-0010.0
Property Address: 470 SOUTH RIVER RD

Mailing Address: LANOUE, NELSON E. & BRENDA
486 SOUTH RIVER ROAD
CHARLEMONT, MA 01339

Parcel Number: 03-011
CAMA Number: 053/003.0-0000-0011.0
Property Address: 486 SOUTH RIVER RD

Mailing Address: LANOUE, NELSON E & BRENDA
486 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-012
CAMA Number: 053/003.0-0000-0012.0
Property Address: 502 SOUTH RIVER RD

Mailing Address: ARSENAULT, STEPHEN J.
502 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-013
CAMA Number: 053/003.0-0000-0013.0
Property Address: 540 SOUTH RIVER RD

Mailing Address: FILORAMO, MURIEL M., TRUSTEE C/O
FILORAMO, RICHARD; TRUSTEE
534 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-014
CAMA Number: 053/003.0-0000-0014.0
Property Address: 552 SOUTH RIVER RD

Mailing Address: BILLINGS, DEANE M. & DONNA M.
552 SOUTH RIVER RD
CHARLEMONT, MA 01339

Parcel Number: 03-015
CAMA Number: 053/003.0-0000-0015.0
Property Address: SOUTH RIVER RD

Mailing Address: SCHAEFER, JAMES R.
39 LAMBERT RD
NEW CANAAN, CT 06840-3631

Parcel Number: 03-015-1
CAMA Number: 053/003.0-0000-0015.1
Property Address: 558 SOUTH RIVER RD

Mailing Address: 558 S. RIVER ROAD REALTY TRUST
PO BOX 834
CHARLEMONT, MA 01339

Parcel Number: 17-001
CAMA Number: 053/017.0-0000-0001.0
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339

Parcel Number: 17-001-1
CAMA Number: 053/017.0-0000-0001.1
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
66 THUNDER MOUNTAIN ROAD
CHARLEMONT, MA 01339

Parcel Number: 17-001-2
CAMA Number: 053/017.0-0000-0001.2
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 2 of 3



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Parcel Number: 17-001-3
CAMA Number: 053/017.0-0000-0001.3
Property Address: SOUTH RIVER RD

Mailing Address: BERKSHIRE EAST SKI RESORT, LLC
P.O. BOX 727
CHARLEMONT, MA 01339

Parcel Number: 17-001-4
CAMA Number: 053/017.0-0000-0001.4
Property Address: SOUTH RIVER RD

Mailing Address: DEERFIELD RIVER, CLUB CONDOMIN
CARROLL, FRANK
PO BOX 71
CHARLEMONT, MA 01339

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0001.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: ANGELICO, EMANUELE J. & CHRIST
ANGELICO, JOSEPH J.
PO BOX 5
CHARLEMONT, MA 01339

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0002.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: CARROLL, FRANK
PO BOX 71
CHARLEMONT, MA 01339

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0003.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: SCHAEFER, JAMES ROY
2 ROWAYTON AVENUE
NORWALK, CT 06853

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0004.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: NARAIN, DHARUV & SUBBARAO, SAND
3 STONE BRIDGE ROAD
PURCHASE, NY 10577-1621

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0005.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: 10K PROPERTIES, LLC
248 MAIN STREET, PO BOX 37
CHARLEMONT, MA 01339

Parcel Number: 17-001-4
CAMA Number: 053/017.1-0004-0006.0
Property Address: 60 SOUTH RIVER RD

Mailing Address: SCHAEFER, THOMAS E. & GABRIELL
4389 DENKER DRIVE
PLESANTON, CA 94588-3966



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 3 of 3



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Subject Property:

Parcel Number: 04-025
CAMA Number: 053/004.0-0000-0025.0
Property Address: 96 AVERY BROOK RD

Mailing Address: DEAN, ERIC R. & CHRISTINA L.
92 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Abutters:

Parcel Number: 04-020
CAMA Number: 053/004.0-0000-0020.0
Property Address: AVERY BROOK RD

Mailing Address: AVERY, JONATHAN H., TRUSTEE
AMCOURT REALTY TRUST
248 CHIPPING STONE ROAD
CHATHAM, MA 02633

Parcel Number: 04-024
CAMA Number: 053/004.0-0000-0024.0
Property Address: 64 AVERY BROOK RD

Mailing Address: BERNARD, TERRI J & SUSAN J HER
64 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 04-025
CAMA Number: 053/004.0-0000-0025.0
Property Address: 96 AVERY BROOK RD

Mailing Address: DEAN, ERIC R. & CHRISTINA L.
92 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 04-025-1
CAMA Number: 053/004.0-0000-0025.1
Property Address: 92 AVERY BROOK RD

Mailing Address: DEAN, ERIC R & CHRISTINA L
92 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 04-027
CAMA Number: 053/004.0-0000-0027.0
Property Address: AVERY BROOK RD

Mailing Address: RICH, LEONARD ESTATE C/O RICH,
MAY
763A Heritage Village
Southbury, CT 06488

Parcel Number: 04-027-1
CAMA Number: 053/004.0-0000-0027.1
Property Address: 199 AVERY BROOK RD

Mailing Address: CASHIN, THOMAS JAMES & JACQUELI
P.O. BOX 252
CHARLEMONT, MA 01339-0252

Parcel Number: 04-028
CAMA Number: 053/004.0-0000-0028.0
Property Address: 144 AVERY BROOK RD

Mailing Address: KNIGHT, THOMAS, JR. & SUSAN L.
76 SOUTH MAIN STREET
SUNDERLAND, MA 01375

Parcel Number: 04-030
CAMA Number: 053/004.0-0000-0030.0
Property Address: 176 AVERY BROOK RD

Mailing Address: BROSCA, MICHAEL A. & LAURA A.
176 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 04-031
CAMA Number: 053/004.0-0000-0031.0
Property Address: 200 AVERY BROOK RD

Mailing Address: MAYNARD, JUSTIN H.
200 AVERY BROOK ROAD
SHELBURNE FALLS, MA 01370

Parcel Number: 09-001
CAMA Number: 053/009.0-0000-0001.0
Property Address: 225 AVERY BROOK RD

Mailing Address: RHEINHEIMER, JACOB W. & TOTINO
225 AVERY BROOK ROAD
SHELBURNE FALLS, MA 01370



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 1 of 2



200 feet Abutters List Report

Charlemont, MA
December 02, 2024

Parcel Number: 09-002
CAMA Number: 053/009.0-0000-0002.0
Property Address: 224 AVERY BROOK RD

Mailing Address: MIRIN, JONATHAN & RICHARD, GOD
224 AVERY BROOK ROAD
SHELBURNE FALLS, MA 01370

Parcel Number: 09-003
CAMA Number: 053/009.0-0000-0003.0
Property Address: AVERY BROOK RD

Mailing Address: CHARLEMONT, TOWN OF
157 MAIN STREET, PO BOX 677
CHARLEMONT, MA 01339

Parcel Number: 09-004
CAMA Number: 053/009.0-0000-0004.0
Property Address: AVERY BROOK RD

Mailing Address: CHARLEMONT, TOWN OF
157 MAIN STREET, PO BOX 677
CHARLEMONT, MA 01339

Parcel Number: 09-005
CAMA Number: 053/009.0-0000-0005.0
Property Address: 279 AVERY BROOK RD

Mailing Address: CHARLEMONT, TOWN OF
157 MAIN STREET, PO BOX 677
CHARLEMONT, MA 01339

Parcel Number: 09-006
CAMA Number: 053/009.0-0000-0006.0
Property Address: AVERY BROOK RD

Mailing Address: CHANDLER, MONTE D. & WILMA CHA
319 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 09-007
CAMA Number: 053/009.0-0000-0007.0
Property Address: 319 AVERY BROOK RD

Mailing Address: CHANDLER, MONTE D. & WILMA CHA
319 AVERY BROOK RD
SHELBURNE FALLS, MA 01370

Parcel Number: 09-008
CAMA Number: 053/009.0-0000-0008.0
Property Address: 331 AVERY BROOK RD

Mailing Address: CROWLE MOUNTAIN CLUB TRUST C/O
MARTIN C. GALE
120 JOHNNY APPLESEED LANE
LEOMINSTER, MA 01453

Parcel Number: 09-009
CAMA Number: 053/009.0-0000-0009.0
Property Address: AVERY BROOK RD

Mailing Address: OWNER UNKNOWN C/O ASSESSORS
PO BOX 337
CHARLEMONT, MA 01339

Parcel Number: 09-010
CAMA Number: 053/009.0-0000-0010.0
Property Address: AVERY BROOK RD

Mailing Address: MOSELEY, STEVEN G.
96 SOUTH STREET, #1
BOSTON, MA 02111



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

12/2/2024

Page 2 of 2

**NOTICE OF INTENT
ABUTTER NOTIFICATION LETTER**

**RE: Charlemont Conservation Commission
Notice of Public Hearing**

To Whom It May Concern,

As an abutter within 100 feet of a proposed project, please be advised that a NOTICE OF INTENT has been filed with the Charlemont Conservation Commission under the Massachusetts Wetlands Protection Act.

PROJECT: 1007G1 and 10019W1 Line Bear Swamp Feeder Conversion Project

APPLICANT: Massachusetts Electric Company

PROJECT LOCATION: Road shoulder along S River Rd, Burrington Rd, Harris Mountain Rd, Mohawk Trail (State Rte 2) and Avery Brook Rd, Charlemont, MA.

PROJECT DESCRIPTION: Installation of eighty-nine (89) new utility poles, the replacement of one-hundred eighty-nine (189) existing utility poles and the installation and/or replacement of overhead line.

APPLICANT'S AGENT: BSC Group, Inc.
1 Mercantile Street, Suite 610
Worcester, MA 01608
Honora Tisell
617-896-4492

PUBLIC HEARING: Information regarding the location of the public hearing may be obtained from the Charlemont Conservation Commission by calling (413) 339-4335 and by visiting the Town's Upcoming Meetings website: <https://charlemont-ma.us/p/52/Conservation-Commission>

DATE AND TIME: January 9th, 2025, at 6:00 PM

NOTE: You may consult a copy of the Greenfield Recorder for more information regarding the time and date of the public hearing or contact the Charlemont Conservation Commission at (413) 339-4335.

Plans and an application describing the proposed application are on file with the Charlemont Conservation Commission located at 157 Main Street.

You also may contact the Department of Environmental Protection, Western Region Office at 413-784-1100 for more information about this application or the Wetlands Protection Act.

Attachment E

Bear Swamp Feeder Conversion Project
Charlemont, Massachusetts
Notice of Intent

NATIONAL GRID'S BEST MANAGEMENT PRACTICES

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP PICTURE

STRAW WATTLE – SHALLOW SLOPE ($\leq 4:1$)
(ALTERNATE STAKING)

ALTERNATE STAKING INSTALLATION NOTES:

1. ON SHALLOW SLOPES ($\leq 4:1$), STRAW WATTLE MAY BE SECURED WITH 18–24" HARDWOOD STAKES DRIVEN AGAINST THE SIDES OF THE WATTLE INSTEAD OF THROUGH. STAKES SHALL ALTERNATE SIDES, AND BE SPACED 3–4' MAX.
2. TWINE SHALL BE TIED FROM STAKE TO STAKE, CRISS–CROSSING THE STRAW WATTLE. TIE TWINE TO STAKES BELOW THE HEIGHT OF THE WATTLE.

* DETAIL AND PICTURE PROVIDED BY TENSAR NORTH AMERICAN GREEN
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-5
STRAW WATTLE * (2 OF 2)

SUBJECT
Access, Maintenance and Construction
Best Management Practices

Reference
EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP

Definition

Applying coarse plant residue or chips, or other suitable materials, to cover the soil surface.

Purpose

The primary purpose is to provide initial erosion control while a seeding or shrub planting is establishing. Mulch will conserve moisture and modify the surface soil temperature and reduce fluctuation of both. Mulch will prevent soil surface crusting and aid in weed control. Mulch is also used alone for temporary stabilization in non-growing months.

Conditions Where Practice Applies

On soils subject to erosion and on new seedings and shrub plantings. Mulch is useful on soils with low infiltration rates by retarding runoff.

Criteria

Site preparation prior to mulching requires the installation of necessary erosion control or water management practices and drainage systems.

Slope, grade and smooth the site to fit needs of selected mulch products.

Remove all undesirable stones and other debris to meet the needs of the anticipated land use and maintenance required.

Apply mulch after soil amendments and planting is accomplished or simultaneously if hydroseeding is used.

Select appropriate mulch material and application rate or material needs. Determine local availability.

Select appropriate mulch anchoring material.

NOTE: The best combination for grass/legume establishment is straw (cereal grain) mulch applied at 2 ton/acre (90 lbs./1000sq.ft.) and anchored with wood fiber mulch (hydromulch) at 500 – 750 lbs./acre (11 – 17 lbs./1000 sq. ft.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.



NOTE:

1. PICTURE DEPICTS STRAW MULCH APPLICATION (FROM MULCH SPREADER) ON STEEP SLOPE WITH AN IMPROVED DRAINAGE SWALE.
2. COORDINATE MULCH MATERIALS AND RATES WITH NATIONAL GRID ENVIRONMENTAL SCIENTIST.

* BMP INFORMATION FROM "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (AUGUST, 2005)." INFORMATION OBTAINED VIA WEBSITE: <http://www.dec.ny.gov/chemical/29086.html>
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-9
MULCH MATERIALS, RATES AND USES (FROM NY) *

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

UPLAND ROW RESTORATION MIX – GENERAL

Species Composition Options:

- Andropogon gerardii; Niagra Big Bluestem
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Elymus virginicus; Virginia Wildrye
- Lolium multiflorum; Annual Ryegrass
- Sorghastrum nutans; Indiangrass
- Chamaecrista fasciculata; Partridge Pea
- Desmodium canadense; Showy Tick Trefoil
- Heliopsis helianthoides; Ox–Eye Sunflower
- Panicum virgatum; Switchgrass
- Rudbeckia hirta; Black Eyed Susan
- Poa palustris; Fowl Bluegrass
- Agrostis perennans; Upland Bentgrass
- Agrostis alba; Redtop
- Festuca rubra; Red Fescue
- Lotus corniculatus; Birds–Foot Trefoil
- Chrysanthemum leucanthem; Ox–Eye Daisy
- Aster novae–angliae; New England Aster

Example Seed Mixes:

1. Native Upland wildlife forage and Cover Meadow Mix – Ernst Conservation Seeds (ERNMX–123)
2. Eastern Ecotype Native Grass Mix– Ernst Conservation Seeds (ERNMX–177)
3. New England Native Warm Season Grass Mix – New England Wetland Plants, Inc.
4. New England Logging Road Mix – New England Wetland Plants, Inc.
5. Northeast Upland Wildflower/Restoration Erosion Mix – Southern Tier Consulting (STCMX–2)

UPLAND ROW RESTORATION MIX – DRY/ROCKY SITES

Species Composition Options:

- Festuca rubra; Red Fescue
- Schizachyrium scoparium; Little Bluestem
- Elymus Canadensis; Canada Wild Rye
- Bouteloua gracillis; Blue Grama
- Lolium multiflorum; Annual Ryegrass
- Lolium perenne; Perennial Ryegrass
- Agrostis scabra; Rough Bentgrass
- Agrostis perennans; Upland Bentgrass
- Sorghastrum nutans; Indiangrass

Example Seed Mixes:

1. New England Erosion Control/ Restoration Mix for Dry Sites – New England Wetland Plants, Inc.
2. Ernst Conservation Seeds and similar companies can create a custom seed mix matching the composition above (with site specific additions if necessary).

SUBJECT

Access, Maintenance and Construction
Best Management Practices

Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

WETLAND ROW RESTORATION MIX

Species Composition Options:

- Agrostis stolonifera; Creeping Bentgrass
- Poa trivialis; Rough Bluegrass
- Alopecurus arundinaceus; Creeping Meadow Foxtail
- Lolium multiflorum; Annual Ryegrass
- Festuca rubra; Creeping Red Fescue
- Elymus virginicus; Virginia Wildrye
- Schizachyrium scoparium; Little Bluestem
- Andropogon gerardii; Niagra Big Bluestem
- Carex vulpinoidea; Fox sedge
- Panicum virgatum; Switchgrass
- Agrostis scabra; Rough Bentgrass
- Aster novae-angliae; New England Aster
- Eupatorium perfoliatum; Boneset
- Euthamia graminifolia; Grass Leaved Goldenrod
- Scirpus atrovirens; Green Bulrush
- Verbena hastata; Blue Vervain
- Juncus effusus; Soft Rush
- Scirpus cyperinus; Wool Grass
- Panicum clandestinum; Deertongue

Example Seed Mixes

1. New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites – New England Wetland Plants, Inc.
2. Northeast Wetland Grass Seed Mix – Southern Tier Consulting (STCMX-7)
3. Ernst Conservation Seeds and similar companies can create a custom seed mix matching the composition above (with site specific additions if necessary).

GERNERAL NOTES:

1. Seed mixes described herein are intended to cover a variety of typical new england landscapes. However, site specific seed mixes will need to be evaluated in coastal or mountainous regions.
2. Seed mixes described herein are intended for general ROW restoration. Site specific wetland seed mixes may be required by local, state and/or federal regulators for certain impacts to wetlands.
3. All seed mixes are to be approved by National Grid Environmental Scientist prior to construction and must conform with all project permits.
4. Seedbed preparation and maintenance as well as temporary erosion and sediment controls are crucial to the establishment of newly seeded areas. Coordinate with National Grid Environmental Scientist on seed bed preparation and maintenance as well as temporary erosion and sediment controls prior to construction.

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES

PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-11
SEEDING OPTIONS -
WETLAND SEED MIX

SUBJECT

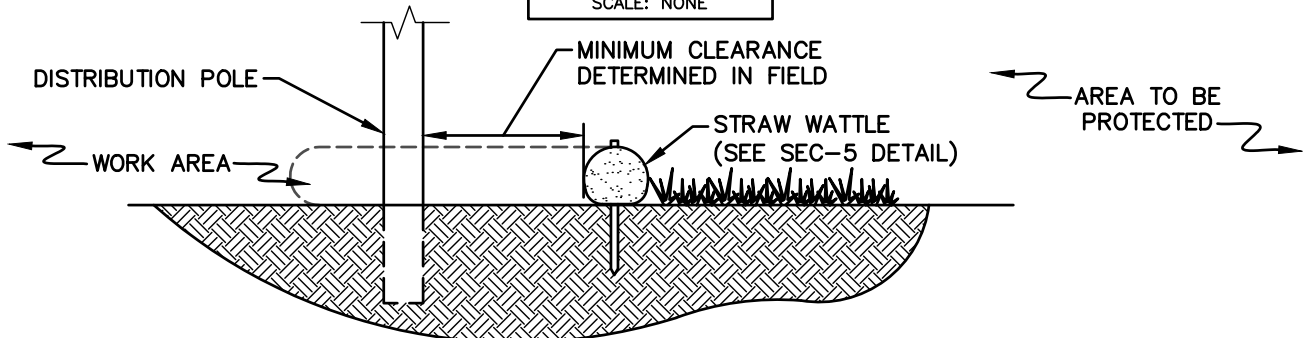
Access, Maintenance and Construction
Best Management Practices

Reference

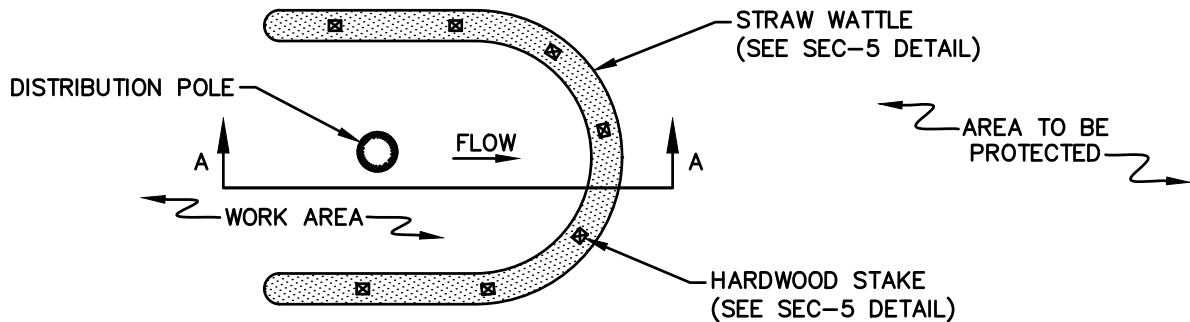
EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE



SECTION A-A



PLAN

NOTES

1. PRODUCT TO BE STRAW WATTLE OR APPROVED EQUAL BY NATIONAL GRID ENVIRONMENTAL SCIENTIST (SEE SEC-5 BMP DETAIL).
2. STRAW BALE BARRIER PER SEC-1 BMP DETAIL TO BE AN AVAILABLE ALTERNATE DEPENDING ON SITE CONDITIONS AT THE DIRECTION OF NATIONAL GRID ENVIRONMENTAL SCIENTIST (SEE FIGURE 2).
3. MINIMUM CLEARANCE BETWEEN POLE AND EROSION CONTROL TO BE DETERMINED BY CONDITIONS OF POLE INSTALLATION/REPLACEMENT WORK AND ASSOCIATED DISTURBANCE.

BMP PICTURE



FIGURE 1: TYP. STRAW WATTLE APPLICATION



FIGURE 2: ALT. STRAW BALE APPLICATION

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

SEC-12
DISTRIBUTION POLE
SEDIMENT CONTROL

SUBJECT

Access, Maintenance and Construction
Best Management Practices

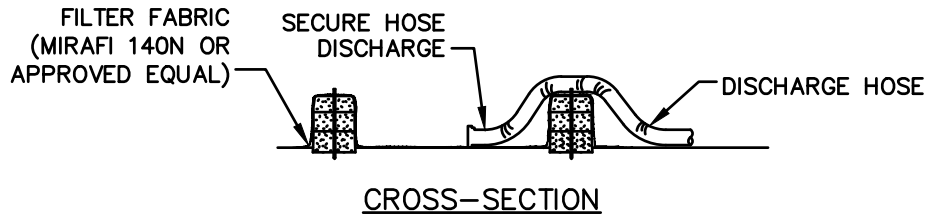
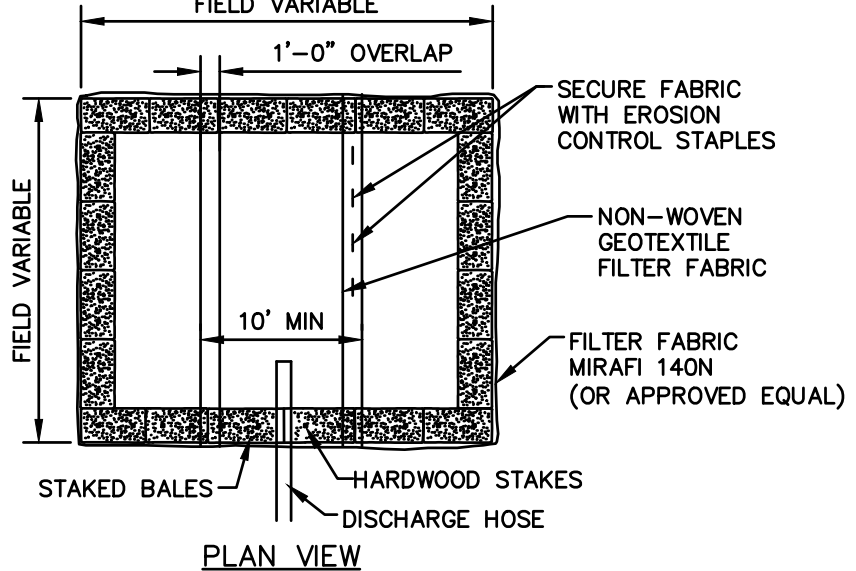
Reference

EP No. 3 - Natural Resource
Protection (Chapter 6)

BMP DETAIL

SCALE: NONE

FIELD VARIABLE



NOTES:

1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS,
2. THE BASIN TO BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
3. KEEP AS FAR FROM WETLANDS AS PRACTICAL.
4. CLEAN AND REMOVE AS SOON AS DEWATERING IS COMPLETE.

BMP PICTURE



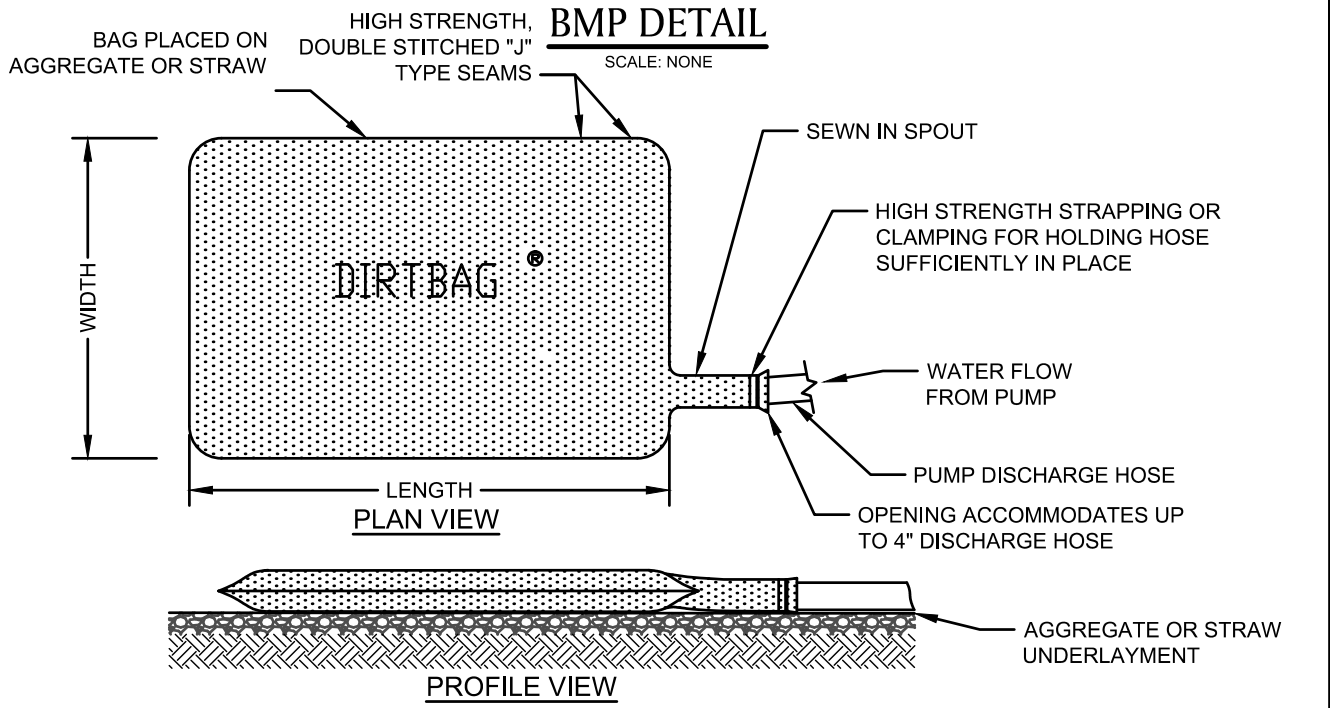
File: Dewat_Bas_Small.dwg

APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

AA-10
DEWATERING BASIN
(SMALL SCALE)

SUBJECT
Access, Maintenance and Construction
Best Management Practices

Reference
EP No. 3 - Natural Resource
Protection (Chapter 6)



BMP PICTURE



* PICTURE AND DETAIL PROVIDED BY ACF ENVIRONMENTAL
APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES
PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. FOR LATEST AUTHORIZED
VERSION PLEASE REFER TO THE NATIONAL GRID ENVIRONMENTAL INFONET SITE.

AA-12
DIRTBAG *