



FACSIMILE

To: Town of Scituate Conservation Commission,  
Mike Clark  
SITEC, Rod Gaskell

Date: 10/18/04

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Fax No: (781) 545-8704, (508) 834-4783, (508) 747-3658

Time:

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From: Brad Holmes

Proj. No: 46243.00

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Re: ANORAD Application, 126 and 132 Chief Justice Cushing Highway

No. of Pages: (including cover)

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Comments:

BSC has reviewed the revised Wetlands Resource Area plan dated 10/12/04 for the property located at 126 and 132 Chief Justice Cushing Highway (the Site). In accordance with our earlier conversations with SITEC (Rod Gaskell) and our request for additional information (9/28/04), the revised Wetlands Resource Area plan indicates the correct wetland delineation of the site with regard to:

1. Proper Inland Bank Delineation of First Herring Brook (Mean High Water Line) and the 200 foot Riverfront Area.
2. Proper Delineation of the Bordering Vegetated Wetland (BVW) to include BSC's suggested flag revisions in the areas noted on the revised plan.
3. Proper Delineation of Land Subject to Coastal Storm Flowage (Elevation 11 feet).
4. Proper Delineation of the Isolated Land Subject to Flooding (below Elevation 7 feet) located along the southern property boundary. BSC conducted soil plots and analyzed vegetation within this area and its surroundings and feel that the revised plan accurately identifies the limits of the Isolated Land Subject to Flooding within the Land Subject to Coastal Storm Flowage.

BSC appreciates the opportunity to work with the Commission and the applicant in reviewing this site and the associated application. If you have any questions or require additional information, please call me at (781) 659 – 7981.

CC:

384 Washington St.  
Norwell, MA 02061

Tel: 781-659-7981  
617-345-8027

Fax:

**CONFIDENTIALITY NOTICE:**

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the address listed above via the U.S. Postal Service.

Thank you.

# SITEC

Civil and Environmental Engineering  
Land Use Planning

SITEC, Inc.  
12 Welby Road  
New Bedford, MA 02745  
Tel. (508) 998-2125 FAX (508) 998-7554

Unit C  
769 Plain Street  
Marshfield, MA 02050  
Tel. (781) 319-0100 FAX (781) 834-4783

October 16, 2004

TO: Brad Holms  
BSC Group  
Norwell Office

CC: Chairman Mike Clark, Scituate Conservation Commission

FROM Rod Gaskell 

RE: ANRAD, 126 & 132 CJC Highway, Scituate (DEP file no 68-1797)

Enclosed as a SITEC "Wetlands Resource Area" plan, revised 10/12/04 to include all wetland resource area boundary adjustments you suggested in your 9/28/04 memo to Commission Chairman Clark and me. (Note; 3 copies to the Conservation Commission.)

Revisions 1-3 were made to the SITEC plan after my field inspection of BSC flags made on 10/8/04.

Revision 4 was made to the SITEC plan by delineating the 7' contour line as the limit of Isolated Land Subject to Flooding (ILSF) on the property. You have advised me from your field observations that this wetland resource area, which extends onto the abutting property to the south, is part of an isolated depression. I observed from my initial visits during peak spring runoff conditions that this entire isolated depression, "... confines standing water to a volume of a least ¼ acre-feet and to an average depth of at least six inches." {Ref. 310 CMR 10.57 (2)(b)1} Above the 7' contour, this temporarily confined

runoff flows out naturally from the property to the north into the First Herring Brook salt marsh. At and below the 7' contour is the boundary of ILSF since this contour defines the limit of the portion of this "closed basin" on the property.

|  |  |
|--|--|
| <b>To:</b> Town of Scituate Conservation Commission,<br>Mike Clark<br>SITEC, Rod Gaskell | <b>Date:</b> 9/28/04                   |
| <b>Fax No:</b> (781) 545-8704, (508) 834-4783, (508) 747-3658                            | <b>Time:</b>                           |
| <b>From:</b> Brad Holmes<br>Norman Hayes   | <b>Proj. No:</b> 46243.00              |
| <b>Re:</b> ANORAD Application, 126 and 132 Chief Justice Cushing Highway                 | <b>No. of Pages:</b> (including cover) |

**Comments:**

BSC has reviewed the wetland delineation located at 126 and 132 Chief Justice Cushing Highway (the Site) at the request of the Scituate Conservation Commission. BSC requests the following additional information:

1. Additional review is needed in the area of wetland flags 204B to 200B. BSC's interpretation of these flags should indicate a BVW edge located a few feet landward, which is at the edge of the High Tide Bush (*Iva frutescens*).
2. Additional review is needed in the area between wetland flags 201B and 158A. BSC observed an area of past flooding (salt panne) within the existing gravel roadway that appears to connect the 100 and 200 series BVWs.
3. Additional review is needed in the area of wetland flags 151A through 157A. BSC's interpretation of these flags indicates minor landward revisions to the BVW line flagged in the field.
4. BSC reviewed the isolated vegetated wetland located near the stonewall at the south side of the site. BSC is in agreement that this area is an isolated wetland, which collects stormwater long enough to produce wetland vegetation (greater than 50%) and hydric soils. BSC could not find a vegetative connection to a nearby BVW; field investigation within the neighboring property to the south of the isolated wetland revealed maintained lawn area (absence of wetland vegetation), absence of hydrology within 12 inches of the bottom of the O horizon, and upland soils. However, a depression within the neighboring lawn may transport coastal storm flowage to the isolated wetland in a 100-year storm event. Please note that the majority of the site is within Land Subject to Coastal Storm Flowage.

In order to fully evaluate this isolated wetland, it would be helpful to have the limits of the isolated wetland staked in the field as shown on the ANORAD site plan. Currently, there are no wetland flags within the isolated wetland to mark its limits at the site, which makes it difficult to evaluate the area from the plan of record.

**384 Washington St.  
Norwell, MA 02061**

**Tel: 781-659-7981  
617-345-8027**

**Fax:**

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Thank you.



FACSIMILE

BSC is available to review these items with the Commission and/or the applicant on site to provide additional clarification. Upon additional review, BSC will prepare and submit a final review letter to the Conservation Commission.

Please call us at (781) 659 – 7981 with any questions.

cc:

# PROFESSIONAL SERVICES AGREEMENT



This Agreement is to confirm that ENGINEERING/SURVEYING/ENVIRONMENTAL/AUTOMATION SERVICES will be performed by THE BSC GROUP, INC. (hereinafter "COMPANY") as requested by:

Name: Town of Scituate Street: 600 Chief Justice Cushing Highway  
Title: Attn: Carol Logue, Secretary State & Zip Code: Scituate, MA 02066  
Organization: Conservation Commission Telephone: (781) 545 - 8721  
(hereinafter "CLIENT")

Scope of Services: Environmental services necessary to review the wetland delineation contained within the Abbreviated Notice of Resource Area Delineation application filed by the applicant Herring Brook Meadow, LLC for the property located off 126 & 132 Chief Justice Cushing Highway in Scituate. Proposed services to include field review of the wetland delineation, performance of one DEP BVW Transect, preparation and submittal of a letter to the Scituate Conservation Commission documenting the results of the site inspection, and one site inspection with the applicant and/or Scituate Conservation Commission representative.

Owner of Land: Herbert & Josephine Watson

SPECIAL CONDITIONS: INCORPORATED BY REFERENCE (SEE ATTACHED TERMS AND CONDITIONS)

FURNISHING OF DOCUMENTS: The following quantity of drawings, estimates and specifications are to be furnished by COMPANY.

One letter to the Scituate Conservation Commission documenting the results of the site inspection

FEE: The fee for the above described Services will be:

- Lump sum of \$ \$1,500.00
- Hourly estimate of \$ \_\_\_\_\_ (See attached fee schedule)

PLUS ESTIMATED EXPENSES OF \$ \_\_\_\_\_ (Includes 10% service charge)

A RETAINER in the amount of \$ \_\_\_\_\_ will be required at the time the contract for the above services is signed and agreed upon and will be held to be applied to the final invoice. Work will not begin until such requirements are fulfilled.

THE ESTIMATED COMPLETION DATE IS: September 15, 2004

In the event the COMPANY and/or its subcontractors are obstructed or delayed in the completion of said services by any act of CLIENT or CLIENT'S agents, or by any act beyond the control of COMPANY or its subcontractors, including but not limited to inclement weather, illness, strikes, failure of equipment, unanticipated degree of difficulty encountered in performing said services, or delay created within or by approving agencies, then the time herein fixed for the completion of the services shall be extended for a period of time equivalent to the time lost by reason of any or all of the aforementioned causes.

TERMINATION: This Agreement may be terminated by either party with five (5) days written notice in the event of persistent failures of performance of material terms and conditions of the Agreement by the other party through no fault of the terminating party. COMPANY shall then be paid for the services completed up to and including the time of termination date based upon the described fees.

BILLING TERMS AND PAYMENT:

- CASH ON DELIVERY
- MONTHLY INVOICE: COMPANY'S billing terms are net <sup>30</sup>10 days with interest charged after thirty <sup>60</sup>~~30~~ days at the rate of 18% APR. Work may be terminated if invoice(s) are still outstanding 45 days from date of invoice(s). *in FC*

This Agreement is null and void unless executed by CLIENT and returned to COMPANY within thirty (30) days.

CLIENT: Town of Scituate THE BSC GROUP, INC. Norwell

BY: [Signature] BY: [Signature]  
Authorized Signature/Title Authorized Signature/Title

DATE: 8/31/04 DATE: \_\_\_\_\_





**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 4A – Abbreviated Notice of Resource Area Delineation**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
 and Scituate Town Wetland By-Law Fee

Provided by DEP:

DEP File Number \_\_\_\_\_  
 Document Transaction Number \_\_\_\_\_  
 Scituate \_\_\_\_\_  
 City/Town \_\_\_\_\_

**A. General Information**

1. Project Location (**Note:** electronic filers will click on button for GIS locator):

126 & 132 Chief Justice Cushing Highway      Scituate      02066  
 a. Street Address      b. City/Town      c. Zip Code

Latitude and Longitude, if Known:      d. Latitude      e. Longitude  
 58      1-8A/1-5  
 f. Assessors Map/Plat Number      g. Parcel /Lot Number

2. Applicant:

Herring Brook      Attn: Thomas Doherty  
 Meadow, LLC      b. Last Name      c. Company

d. Mailing Address  
 160 Federal Street/22<sup>nd</sup> Floor, Boston      MA      02110  
 e. City/Town      f. State      g. Zip Code

617-350-8844      617-350-8849  
 h. Phone Number      i. Fax Number      j. Email address

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

Herbert L. &      Watson  
 Josephine H.      b. Last Name      c. Company

132 Chief Justice Cushing Highway  
 d. Mailing Address

Scituate      MA      02066  
 e. City/Town      f. State      g. Zip Code

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

4. Representative (if any):

SITEC Inc.  
 a. Firm

Roderick      Gaskell  
 b. Contact Person First Name      c. Contact Person Last Name

769 Plain St. / Unit C  
 d. Mailing Address

Marshfield      MA      02050  
 e. City/Town      f. State      g. Zip Code

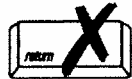
781-319-0100      781-834-4783      rgaskell@sitec-engineering.com  
 h. Phone Number      i. Fax Number      j. Email address

5. Total WPA Fee Paid (from Appendix A, Wetland Fee Transmittal Form):

\$1000.00 (+ By-law fee)      \$487.50      \$512.50  
 a. Total Fee Paid      b. State Fee Paid      c. City/Town Fee Paid

\*Owner #2: Donamari Tonelli  
 126 Chief Justice Cushing Highway (Rt. 3A)  
 Scituate, MA 02066

**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

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

Fees will be calculated for online users.



**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands  
**WPA Form 4A – Abbreviated Notice of Resource Area Delineation**  
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
and Scituate Town Wetland By-Law Fee

Provided by DEP:

DEP File Number

Document Transaction Number

Scituate

City/Town

## B. Area(s) Delineated

1. Bordering Vegetated Wetland (BVW)

1,400

Linear Feet of Boundary Delineated

2. Check all methods used to delineate the Bordering Vegetated Wetland (BVW) boundary:

a.  DEP BVW Field Data Form (attached)

b.  Other Methods for Determining the BVW boundary (attach documentation):

1.  50% or more wetland indicator plants

2.  Saturated/inundated conditions exist

3.  Groundwater indicators

4.  Direct observation

5.  Hydric soil indicators

6.  Credible evidence of conditions prior to disturbance

3. Indicate if any other resource area(s) are delineated:

Resource Area(s):

a. Flood Plain

b. Rivers Protection Area

## C. Additional Information

Applicants must include the following with this Abbreviated Notice of Resource Area Delineation. 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.

- 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.) **(Attached)**
- Plans identifying the boundaries of the Bordering Vegetated Wetlands (BVW) (and other resource areas, if applicable). **(See Attached)**
- Other material identifying and explaining the determination of resource area boundaries shown on plans (e.g., a DEP BVW Field Data Form).
- List the titles and final revision dates for all plans and other materials submitted with this Abbreviated Notice of Resource Area Delineation. **(See Attached)**



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands  
**WPA Form 4A – Abbreviated Notice of Resource Area Delineation**  
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40  
 and Scituate Town Wetland By-Law Fee

Provided by DEP:

DEP File Number

Document Transaction Number

Scituate

City/Town

**D. Simplified Review for Buffer Zone Projects**

1. If this Abbreviated Notice of Resource Area Delineation is submitted in support of Buffer Zone Simplified Review per requirements of 310 CMR 10.02(2)(b)(i-iii) please check project compliance with the following requirements:

- No work is proposed in a 50-foot wide area in the buffer zone along any resource area;
- The proposed activity is not subject to the Massachusetts Stormwater Policy;
- The buffer zone where the work is proposed does not border an Outstanding Resource Water (i.e., certified vernal pool, public water supply, or certain ACECs);
- The buffer zone does not contain estimated wildlife habitat which is identified on the most recent Estimated Habitat Map of State-listed Rare Wetlands Wildlife; Erosion; and
- Sedimentation controls are provided at the limit of work to protect resource areas during construction.

2. For those projects which are subject to the Massachusetts Stormwater Policy, include a copy of the Stormwater Management Plan and provide the following:

Title of Stormwater Management Plan

Date

Name of Professional Engineer (P.E.)

**E. Fees**

The fees for work proposed under each Abbreviated Notice of Resource Area Delineation must be calculated and submitted to the Conservation Commission and the Department (see Instructions and Appendix A. Wetland Fee Transmittal Form).

No fee shall be assessed for projects of the federal government, the Department, or cities and towns of the Commonwealth.

Applicants must submit the following information (in addition to Appendix A) to confirm fee payment:

Check #1014

8/03/04

1. Municipal Check Number

2. Check date

Check #1013

8/03/04

3. State Check Number

4. Check date

Herring Brook Meadow, LLC

Herring Brook Meadow, LLC

5. Payor name on check: First Name

6. Payor name on check: Last Name



**Massachusetts Department of Environmental Protection**  
**Bureau of Resource Protection - Wetlands**  
**WPA Form 4A – Abbreviated Notice of Resource Area Delineation**  
**Massachusetts Wetlands Protection Act M.G.L. c. 131, §40**

Provided by DEP:

DEP File Number \_\_\_\_\_

Document Transaction Number \_\_\_\_\_

Scituate \_\_\_\_\_

City/Town \_\_\_\_\_

**F. Signatures and Submittal Requirements**

I hereby certify under the penalties of perjury that the foregoing Abbreviated Notice of Resource Area Delineation 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 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.

*[Handwritten Signature]*  
 1. Signature of Applicant

*8/10/04*  
 2. Date

*[Handwritten Signature]*  
 3. Signature of Property Owner (if different)

4. Date

*FOR SITE, Inc. Frederick G. Wall*  
 5. Signature of Representative (if any)

*8/10/04*  
 6. Date

**For Conservation Commission:**

Two copies of the completed Abbreviated Notice of Resource Area Delineation (Form 4A), including supporting plans and documents; two copies of pages 1 and 2 of Appendix B; and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

**For DEP:**

One copy of the completed Notice of Intent (Form 4A), including supporting plans and documents; one copy of Appendix A; and a copy of the state fee payment must be sent to the DEP Regional Office (see Instructions) by certified mail or hand delivery. (E-filers may submit these electronically.)

**Other:**

If the applicant has checked the "yes" box in any part of Section C, 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.



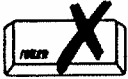
Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 4A Appendix A – Wetland Fee Transmittal Form**

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

**A. Applicant Information**

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



1. Applicant:

Herring Brook Meadow, LLC (Attn: Thomas Doherty)  
 a. First Name b. Last Name c. Company  
 160 Federal Street / 22<sup>nd</sup> Floor  
 d. Mailing Address  
 Boston MA 02110  
 e. City/Town f. State g. Zip Code  
 617-350-8844  
 h. Phone Number

2. Property Owner (if different):

**Owner #1:** Herbert L. & Josephine H. Watson, 132 Chief Justice Cushing Hwy, Scituate, MA 02066 (Rte. 3A)

**Owner #2:** Donamarie Tonelli, 126 Chief Justice Cushing Highway, Scituate, MA 02066 (Rte. 3A)

3. Project Location:

126 & 132 Chief Justice Cushing Highway Scituate  
 a. Street Address b. City/Town

**B. Fees**

The fee is calculated as follows (check applicable project type):

|  |                             |                |                                |                                    |
|--|-----------------------------|----------------|--------------------------------|------------------------------------|
| 1. <input type="checkbox"/>            | single family house project | a. feet of BVW | x \$1.00 =                     | b. Total fee not to exceed \$100   |
| 2. <input checked="" type="checkbox"/> | all other projects          | 1,400          | \$1000.00                      | \$1000.00                          |
|  |                             | a. feet of BVW | x \$1.00 =                     | b. Total fee not to exceed \$1,000 |
|  |                             |                |                                | \$487.50                           |
|  |                             |                | State share of filing fee:     | 3. 1/2 of total fee less \$12.50   |
|  |                             |                | City/Town share of filing fee: | \$512.50                           |
|  |                             |                |                                | 4. 1/2 of total fee plus \$12.50   |



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 4A Appendix A – Wetland Fee Transmittal Form**

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

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**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, Abbreviated Notice of Intent, or Abbreviated Notice of Resource Area Delineation; a **copy** of pages 1 and 2 of this form; and the city/town fee payment.
- c.) **To DEP Regional Office** (see Instructions): Send the Notice of Intent, Abbreviated Notice of Intent, or Abbreviated Notice of Resource Area Delineation; a **copy** of pages 1 and 2 of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



## TOWN OF SCITUATE WETLANDS PROTECTION BYLAW FILING FEE CALCULATION WORKSHEET

(Submit this form and check with application. Please make checks payable to: Town of Scituate)

1. A flat fee of \$100.00 each for the following applications: (Check off appropriate item)

- Request for Determination of Applicability (RDA)
- Request for Each Certificate of Compliance
- Request for Extension of Orders

2. A categorized fee schedule for Notices of Intent (NOI) [categories are the same as in DEP regulations 310 CMR 10.3(7)(c)] as follows:

|                                     | No. |       | Total      |
|-------------------------------------|-----|-------|------------|
| Category 1: \$ 100.00 per activity  | x   | _____ | = \$ _____ |
| Category 2: \$ 300.00 per activity  | x   | _____ | = \$ _____ |
| Category 3: \$1,000.00 per activity | x   | _____ | = \$ _____ |
| Category 4: \$1,400.00 per activity | x   | _____ | = \$ _____ |

Category 5 \$3.00/Linear Feet (Not less than \$100.00 or more than \$2,000.00)  
 \$3.00/Linear Feet x \_\_\_\_\_ Linear Feet = \$ \_\_\_\_\_

3. Amendment to or Modification of Existing Orders that require a public hearing:

Equal to original filing fee:.....\$ \_\_\_\_\_

4. Request for Amendment or Modification of Existing Orders that do not require a public hearing:  
 (Check off appropriate item)

- \$100.00/First Request
- \$200.00/Third Request
- \$150.00/Second Request
- \$250.00/Fourth Request & each request thereafter

5. Application for review of resource area delineation: \$1.60/Linear Feet (Not less than \$100.00 or more than \$400.00 for single family house projects and not less than \$100.00 or more than \$2,000.00 for any other activity). This fee will be in addition to the fee for an RDA or NOI listed above.

Type of Activity: \_\_\_\_\_ \$1.60/Linear Feet x 1,400 Linear Feet = \$ 2,000  
 (\$100.00 Min, \$400 or \$2,000 Max.)

6. Fees for projects within the Riverfront Area and another resource area shall be 150% of the above.  
 (Check off appropriate item)

RDA: \$100.00 x 150% = 150.00

NOI (Total from No. 2 above): \$ \_\_\_\_\_ x 150% = \$ \_\_\_\_\_

Name of Applicant: Herring Brook Meadow, LLC Project Address: 126 & 132 Chief Justice Cushing Highway (Rte. 3A)

DEP or SC File No. \_\_\_\_\_ (if applicable) Total Filing Fee Submitted \$ 2,000

**Additional Fee:** An additional fee as determined by State Statute will be required.

**Additional Fee:** For review by Conservation Commission's consultant for projects requiring specific technical expertise.

HERRING BROOK MEADOW LLC

160 FEDERAL ST., 22ND FLOOR  
BOSTON, MA 02110

MA WPA Fee  
State Portion

1013

DATE 8/3/04

53-7358-2113

PAY TO THE ORDER OF

Communeal TR of MA 37

Four Hundred and Eighty seven Dollars

\$ 487.<sup>50</sup>/<sub>100</sub>

DOLLARS



Pilgrim Cooperative Bank  
COHASSET, MASSACHUSETTS 02025

FOR

*[Signature]*

MP

⑈001013⑈ ⑆211373584⑆ 539911306⑈

HERRING BROOK MEADOW LLC

160 FEDERAL ST., 22ND FLOOR  
BOSTON, MA 02110

Town Wetland  
Bylaw Fee

1015

DATE 8/3/04

53-7358-2113

PAY TO THE ORDER OF

Town of Scituate

Two Thousand Dollars

\$ 2000.<sup>00</sup>/<sub>100</sub>

DOLLARS



Pilgrim Cooperative Bank  
COHASSET, MASSACHUSETTS 02025

FOR

*[Signature]*

MP

⑈001015⑈ ⑆211373584⑆ 539911306⑈

HERRING BROOK MEADOW LLC

160 FEDERAL ST., 22ND FLOOR  
BOSTON, MA 02110

MA WPA Fee  
Town Portion

1014

DATE 8/3/04

53-7358-2113

PAY TO THE ORDER OF

Town of Scituate

Five Hundred and twelve Dollars

\$ 512.<sup>50</sup>/<sub>100</sub>

DOLLARS



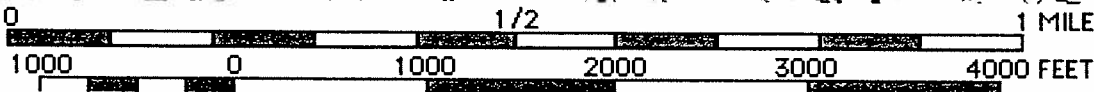
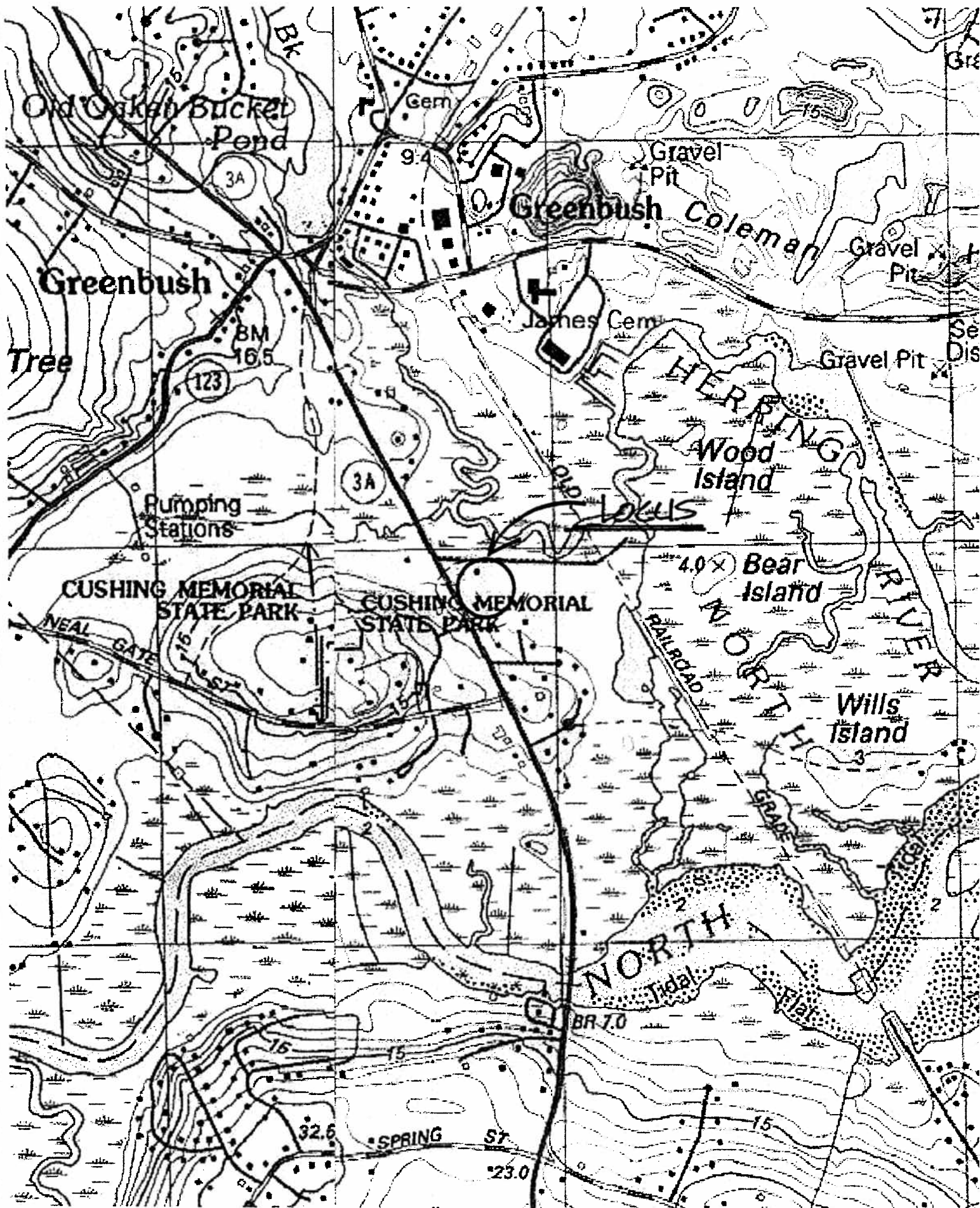
Pilgrim Cooperative Bank  
COHASSET, MASSACHUSETTS 02025

FOR

*[Signature]*

MP

⑈001014⑈ ⑆211373584⑆ 539911306⑈



# ABUTTER'S LIST

## Doherty Property

### Conservation Within 100'

April 7, 2004

---

| MAP | LOT # |                            | OWNER & MAILING ADDRESS  |
|-----|-------|----------------------------|--|
| 58  | 1-5   | Subject Property<br>Zone D | Herbert L. & Josephine H. Watson, Jr.<br>132 Chief Justice Cushing Highway<br>Scituate, MA 02066 |
| 58  | 1-8A  | Subject Property<br>Zone D | Donamarie Tonelli<br>126 Chief Justice Cushing Highway<br>Scituate, MA 02066                     |
| 58  | 1-8G  | Rear Marthas Ln.           | Doris M. Reilly<br>8 Highlander Drive<br>No. Hampton, NH 03862                                   |
| 58  | 1-6   | 5 Marthas Ln.              | Susan D. Daileader<br>5 Martha's Lane<br>Scituate, MA 02066                                      |
| 58  | 2-2E  | 117 CJC Hwy.               | Lorraine M. Galler<br>117 Chief Justice Cushing Highway<br>Scituate, MA 02066                    |
| 58  | 2-3   | 121 CJC Hwy.               | James P. & Tracey F. Kelleher<br>28 Neal Gate Street<br>Scituate, MA 02066                       |
| 58  | 2-4   | 125 CJC Hwy.               | Francis & Leslie Kilduff<br>PO Box 298<br>Greenbush, MA 02040                                    |
| 58  | 2-5F  | 133 CJC Hwy.               | Russell John Lannon<br>PO Box 37<br>Greenbush, MA 02040  |

---

| MAP | LOT # |                           | OWNER & MAILING ADDRESS  |
|-----|-------|---------------------------|--|
| 58  | 2-5G  | 145 CJC Hwy.              | Gerald F. & Barbara M. Schineller<br>145 Chief Justice Cushing Highway<br>Scituate, MA 02066 |
| 58  | 1-4   | 146 CJC Hwy.              | Marsha A. Klein<br>146 Chief Justice Cushing Highway<br>Scituate, MA 02066                   |
| 58  | 1-4A  | 160 CJC Hwy.              | James Ambrose Duane, Jr., Trustee<br>160 Chief Justice Cushing Highway<br>Scituate, MA 02066 |
| 58  | 3-6A  | 600 CJC Hwy.<br>(397.62±) | Town of Scituate Conservation<br>600 Chief Justice Cushing Highway<br>Scituate, MA 02066     |
| 58  | 1-8D  | 21 Marthas Ln.            | Robert C. & Sandra S. Kingsland<br>21 Marthas Lane<br>Scituate, MA 02066                     |
| 58  | 1-8C  | 15 Marthas Ln.            | Werner F. Boehl & Joanne M. McLauley<br>15 Marthas Lane<br>Scituate, MA 02066                |
| 58  | 1-8B  | 11 R Marthas Ln.          | David W. & Gloria Hollstein<br>11 R. Marthas Lane<br>Scituate, MA 02066                      |
| 58  | 5-32A | 28 Driftway               | Herring Brook Ltd. Partnership<br>PO Box 357<br>Scituate, MA 02066                           |
| 58  | 1-8   | 24 Marthas Ln.            | Michael F. & Maureen A. Collins<br>PO Box 188<br>Greenbush, MA 02040                         |

# SITEC

Civil and Environmental Engineering  
Land Use Planning

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## **WETLANDS RESOURCE AREA REPORT 126 & 132 Chief Justice Cushing Way (Rt. 3A) Scituate, MA**

**August 10, 2004**

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### **Property Description and Location**

The subject property is composed of two lots. One lot is located at 126 Chief Justice Cushing Way ("CJCW"), is identified as Assessor's Map and Lot 58-1-8A and is 41,390+/- square feet ("Lot 8A"). The second lot is located at 132 CJCW, is identified as Assessor's Map and Lot 58-1-5 and is approximately 15 acres ("Lot 5"). Lot 8A includes a single family home and garage. Lot 5 includes a single family home and recently active agricultural field.

The property extends from the east side of CJCW to the west side of the Greenbush rail bed. It is north of the North River and Martha's Lane and is bounded on the north by the First Herring Brook.

The property grades gently down from CJCW to the rail bed. The agricultural field occupies

approximately five acres of Lot 5. It was most recently cultivated for corn. It has been cultivated in the past for tomatoes.

The property is shown on the accompanying SITEC, Inc. ("SITEC") plan entitled, "Wetland Resource Areas," scale 1"= 100', dated April-, 2004 (the "SITEC Wetlands Plan").

## **Zoning**

The property is located within the Scituate Residence A-1 Zoning District. This district has the following minimum dimensional requirements; 40,000 square feet lot area (upland), 100 feet frontage, 30, 15 and 30 feet front, side and rear setbacks and 175 feet lot width. The north and northeastern side of Lot 5, which is bordered by First Herring Brook, falls within the Scituate Flood Plain and Watershed Protection District overlay zone. This district is delineated by the 10 foot contour (Mean Sea Level) within this area of Scituate. The northern side of the property also falls within the Scituate Saltmarsh and Tideland Conservation District. (Ref. the SITEC Wetlands Plan.)

## **FEMA 100 Year Flood Limits**

The FEMA Flood Insurance Rate Maps (FIRMs) have recently been updated and revised for Scituate. The revised FIRMs are dated October 16, 2003. The property falls within FIRM Panel Number 2502820005E. The FEMA 100 year flood zone (Zone AE) is shown to extend into the north and east sides of Lot 5 to elevation 11. It has been plotted by elevation (i.e.; by the seaward 11 foot elevation contour) on the SITEC Wetlands Plan. The boundary is the regulatory limit of Land Subject to Coastal Storm Flowage ("LSCSF") as defined under the Regulations for administering the MA Wetlands Protection Act, 310 CMR 10 (the "MA Wetlands Regulations").

## North River Scenic River Corridor

The seaward end of the First Herring Brook falls within the Scenic River 300 foot protective corridor for the North River. This corridor is subject to the requirements of the Scenic and Recreational River Protective Order for the North River promulgated by the MA Department of Environmental Protection (“DEM”) on March 21, 1980 and administered by the North River Commission. The 300 foot corridor boundary in the section of Scituate within which the property is located is shown on a DEM plan entitled, “Commonwealth of Massachusetts Department of Environmental Management North River Corridor, Municipalities: Norwell and Scituate,” Plan Sheet Number 2 of 10, dated October 19, 1978. A section of this corridor extends into the eastern, seaward end of the agricultural field on the property. This section of the corridor boundary has been electronically transposed onto the SITEC Wetlands Plan.

## Dominant Vegetation & Flagged Vegetated Wetlands Resource Areas

The property is relatively low, flat and open. It grades down from elevation 20+ feet at CJCW to below elevation 10 feet toward the rail bed which is 1000 + feet to the east (i.e.; seaward). It is dominated by plant communities typical of the Atlantic coastal plain environment of central and southern New England. As indicated above, First Herring Brook meanders along the north and northeastern boundary and a five +/- acre agricultural field occupies the center of the property. Stands of Eastern Red Cedar (*Juniperus virginiana*) have established along the east and southeast edge of the agricultural field.

The forest community on the north side of the house on Lot 5 is dominated by the following woody upland species; Red Oak (*Quercus rubra*), Black Cherry(*Prunus serotina*), White Ash (*Fraxinus americana*), Norway Maple (*Acer platanoides*), Honeysuckle (*Lonicera spp.*) and Bittersweet (*Calatrpa scandens*). There is some Arrow wood (*Viburnum recognitum*) mixed within this forested area. Arrow wood is classified as a Facultative- (FAC-) species, meaning it is likely to occur in uplands as well as wetlands but is less frequently found in wetlands.

The agricultural field has been most recently cultivated for corn. This is a crop which will not prosper in areas "...where groundwater, flowing or standing surface water...provide a significant part of the supporting substrate for a plant community for at least five months of the year.." or "...where ground water is at the surface for the significant part of the growing season and near the surface throughout the year..." (MA Wetlands Protection Act, Chapter 131, section 40 definitions of "freshwater wetland" and "wet meadows"). That is, this is a crop that will not prosper in wetland or hydric soil conditions.

The vegetated wetland boundary on the property is primarily the upper edge of the salt marsh (i.e.; the edge of the "High Marsh") which borders First Herring Brook. The edge is dominated by Sea Meadow Grass (*Spartina patens*). Along some sections of this edge this salt marsh species is mixed with and occasionally dominated by inland wetland plant species including Soft Rush (*Juncus effusus*), Switchgrass (*Panicum virgatum*), Seaside Golden-Rod (*Solidago sempervirens*) and Sensitive Fern (*Onoclea sensibilis*). Some sections are also dominated by wetland shrubs including Winterberry (*Ilex verticillata*), Arrow-wood (*Viburnum dentatum*) and Highbush Blueberry (*Viburnum dentatum*).

This vegetated wetland edge was flagged by SITEC Wetland Field Scientists on April 4 and 5, 2004. The flagging and associated soil investigation was completed in accordance with the field handbook entitled, Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act published by the MA Department of Environmental Protection (DEP), March 1995 (The "DEP Wetlands Handbook"). The flags are numbered in two series; flag numbers 136A-159A where the salt marsh extends into the southeast end of the property and flag numbers 200B-226B where the salt marsh extends into and along the entire length of the northern side of the property. Flag series B runs along the seaward (First Herring Brook) side of a gravel roadway that crosses from CJCW to the rail bed. Flag series A and B were located in the field by instrument survey and plotted on the accompanying SITEC plan entitled, "Existing Conditions - Wetlands Resource Areas" dated 8/9/04, scale 1" = 40" (the SITEC Wetlands Plan).

## Seasonably Flooded Section of Agricultural Field

The center, south side of the agricultural field floods seasonally via a low point in the stone wall separating the property from an abutting lot to the south (Assessor's Map and Lot number 58-1-8B). It appears that this low point is the result of ditching to relieve seasonal flooding in the back yard of Lot 8B. We observed an area of standing water within this portion of the agricultural field. We measured 6 inches of standing water at the stone wall low point during the days we flagged the vegetative wetlands on the property (April 4 and 5). The shrub edge along this wall at the low point/ditched section is dominated by wetland species, including Arrow wood (*Viburnum recognitum*), Winterberry (*Ilex verticillata*) and Highbush Blueberry (*Vaccinium corybosum*). This vegetation appears to continue onto Lot 8B.

The natural vegetative cover in the agricultural field within and around the seasonably flooded area has been historically removed because of the continued cultivation. The DEP Wetlands Handbook specifies the use of soils to determine the limit of vegetated wetlands in disturbed areas such as this. Accordingly, SITEC returned to the property on August 2, 2004 during dry conditions to complete a series of hand augered soil probes. We completed two crossing soil probe transects extending from the wall low point/ditch into the previously flooded section of the agricultural field on the property. The two transects (A and B) and the individual soil probe locations are shown on the SITEC Wetlands Plan.

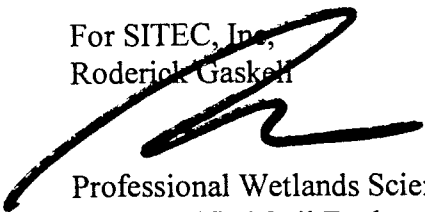
We determined from these probes that hydric soil conditions extend into the field approximately 20 feet from the wall at the low point/ditch. Beyond this distance the seasonal flooding does not stand long enough to have developed hydric soil morphology (i.e.; does not have 8 or more inches of organic material or low chroma colors of 3 or less directly below the Ap soil horizon (plowed top soil horizon).

The results of the SITEC soil probes at the wall low point/ditch are logged on the attached DEP Field Data forms. Based upon the results of these soils probes SITEC estimated the limit of "vegetated wetland" extending into the agricultural field from the wall low point/ ditch as delineated on the SITEC Wetlands Plan.

## Riverfront Area

The First Herring Brook is a "River" as defined in Section 10.58 of the MA Wetlands Regulations. The 200 foot Riverfront Area extends from the mean high-water line in tidal rivers [310 CMR 10.58 (2)(a)2.c]. The boundary of the Riverfront area has been delineated on the SITEC Wetlands Plan. As shown, it extends into the property along the northern boundry.

For SITEC, Inc.,  
Roderick Gaskell



Professional Wetlands Scientist  
DEP Certified Soil Evaluator

**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

**1. Soil Survey**

Is there a published soil survey for this site?  yes  no  
 title/date: PLYMOUTH / '69  
 map number: 8  
 soil type mapped: MFB, DeA, AWA  
 hydric soil inclusions: YES

Are field observations consistent with soil survey?  yes  no  
 Remarks:

| Horizon | Depth " | Matrix Color | Mottles Color             |
|---------|---------|--------------|---------------------------|
| A/P     | 0-11    | 2.5Y 3/3     |                           |
| B       | 11-17   | 10YR 3/6     |                           |
| B/C     | 17-29+  | 10YR 4/6     | sandy loam, gravel at 27" |

Remarks: 50. ferro leal 27" with faint mottles

**3. Other:**

Conclusion: Is soil hydric?  yes  no  
(transitional)

- Other Indicators of Hydrology: (check all that apply and describe)
- Site inundated: \_\_\_\_\_
  - Depth to free water in observation hole: \_\_\_\_\_
  - Depth to soil saturation in observation hole: \_\_\_\_\_
  - Water marks: \_\_\_\_\_
  - Drift lines: \_\_\_\_\_
  - Sediment deposits: \_\_\_\_\_
  - Drainage patterns in BVW: \_\_\_\_\_
  - Oxidized rhizospheres: \_\_\_\_\_
  - Water-stained leaves: \_\_\_\_\_
  - Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
  - Other: \_\_\_\_\_

| Vegetation and Hydrology Conclusion      |                                     | yes                      | no                       |
|--|-------------------------------------|--------------------------|--------------------------|
| Number of wetland indicator plants       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| ≥ number of non-wetland indicator plants | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Wetland hydrology present:               |                                     |                          |                          |
| hydric soil present                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| other indicators of hydrology present    | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample location is in a BVW              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Submit this form with the Request for Determination of Applicability or Notice of Intent.

11 APR 1974 15:50

### Section II. Indicators of Hydrology

#### Hydric Soil Interpretation

1. Soil Survey Same

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

| Horizon    | Depth "       | Matrix Color    | Mottles Color                          |
|------------|---------------|-----------------|--|
| <u>AP</u>  | <u>0-12</u>   | <u>2.5Y/3/3</u> |  |
| <u>B/C</u> | <u>12-29X</u> | <u>10YR 4/6</u> | <u>Loamy sand</u><br><u>Sandy loam</u> |

Remarks: Stavel saturated, faint  
mottles @ 29

3. Other:

Conclusion: Is soil hydric?    yes    no

transitional

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

#### Vegetation and Hydrology Conclusion

Number of wetland indicator plants    yes    no

≥ number of non-wetland indicator plants       

Wetland hydrology present:

hydric soil present       

other indicators of hydrology present       

Sample location is in a BVW       

Submit this form with the Request for Determination of Applicability or Notice of Intent.

### Section II. Indicators of Hydrology

#### Hydric Soil Interpretation

1. Soil Survey Same

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

2. Soil Description

| Horizon | Depth  | Matrix Color | Mottles Color |
|---------|--------|--------------|---------------|
| AP      | 0-17   | 2.5Y 3/3     |               |
| B/C     | 17-41+ | 10Y/2 4.5/6  |               |

*loamy sand, sandy loam*

Remarks:

*no mottles*

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

#### Vegetation and Hydrology Conclusion

Number of wetland indicator plants    yes    no

≥ number of non-wetland indicator plants       

Wetland hydrology present:

hydric soil present       

other indicators of hydrology present       

Sample location is in a BVW       

Submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

1. Soil Survey Same

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

2. Soil Description

| Horizon | Depth  | Matrix Color | Mottles Color |
|---------|--------|--------------|---------------|
| AP      | 0-26   | 2.5Y 3/3     |               |
| B/C     | 26-30+ | 4-5/6        | Same as above |

Remarks:

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BWV: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

**Vegetation and Hydrology Conclusion**

Number of wetland indicator plants    yes    no  
 ≥ number of non-wetland indicator plants       

Wetland hydrology present:

hydric soil present       

other indicators of hydrology present       

Sample location is in a BWV       

Submit this form with the Request for Determination of Applicability or Notice of Intent.

**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

1. Soil Survey Sanna

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

**2. Soil Description**

|         |       |              |               |
|---------|-------|--------------|---------------|
| Horizon | Depth | Matrix Color | Mottles Color |
|---------|-------|--------------|---------------|

|           |             |                 |  |
|-----------|-------------|-----------------|--|
| <u>AP</u> | <u>0-16</u> | <u>2.5Y 3/3</u> |  |
|-----------|-------------|-----------------|--|

|            |               |                   |                   |
|------------|---------------|-------------------|-------------------|
| <u>B/C</u> | <u>16-25+</u> | <u>10YR 4-5/6</u> | <u>loamy sand</u> |
|------------|---------------|-------------------|-------------------|

Remarks:

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BWV: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

**Vegetation and Hydrology Conclusion**

|  |                          |                          |
|--|--------------------------|--------------------------|
| Number of wetland indicator plants       | yes                      | no                       |
| ≥ number of non-wetland indicator plants | <input type="checkbox"/> | <input type="checkbox"/> |

Wetland hydrology present:

hydric soil present       

other indicators of hydrology present       

Sample location is in a BWV       

Submit this form with the Request for Determination of Applicability or Notice of Intent.

16-257-10 16-257-25

Delimiting Borderline Vegetated Wetlands

**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

1. Soil Survey Small

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

| Horizon | Soil Description | Depth  | Matrix Color | Mottles Color  |
|---------|------------------|--------|--------------|----------------|
| AP      |                  | 0-18   | 2.5Y 3/3     |                |
| B/C     |                  | 18-25+ | 10YR 4-5/6   | 5andy<br>loamy |

Remarks:

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

**Vegetation and Hydrology Conclusion**

|  |                          |                                     |
|--|--------------------------|-------------------------------------|
| Number of wetland indicator plants       | yes                      | no                                  |
| ≥ number of non-wetland indicator plants | <input type="checkbox"/> | <input type="checkbox"/>            |
| Wetland hydrology present:               | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| hydric soil present                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| other indicators of hydrology present    | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample location is in a BVW              | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Submit this form with the Request for Determination of Applicability or Notice of Intent.

TRASEX B 1/2 - 1

### Section II. Indicators of Hydrology

#### Hydric Soil Interpretation

1. Soil Survey Same

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

2. Soil Description

| Horizon | Depth  | Matrix Color | Mottles Color |
|---------|--------|--------------|---------------|
| AP      | 0-15   | 2.5Y3/3      |               |
| B/C     | 15-27+ | 10YR 4-5/6   | Sandy loam    |

Remarks: Refurb, gravel @ 27"

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BWV: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

#### Vegetation and Hydrology Conclusion

Number of wetland indicator plants    yes    no

≥ number of non-wetland indicator plants       

Wetland hydrology present:

hydric soil present       

other indicators of hydrology present       

Sample location is in a BWV       

Submit this form with the Request for Determination of Applicability or Notice of Intent.



**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

1. Soil Survey Same

Is there a published soil survey for this site?    yes    no

title/date:

map number:

soil type mapped:

hydric soil inclusions:

Are field observations consistent with soil survey?    yes    no

Remarks:

**2. Soil Description**

| Horizon    | Depth         | Matrix Color      | Mottles Color             |
|------------|---------------|-------------------|---------------------------|
| <u>AP</u>  | <u>0-11</u>   | <u>2.5Y3/3</u>    |                           |
| <u>B/C</u> | <u>11-27+</u> | <u>10YR 4-5/6</u> | <u>leamy sand, gravel</u> |

Remarks:

3. Other:

Conclusion: Is soil hydric?    yes    no

Other Indicators of Hydrology: (check all that apply and describe)

- Site inundated: \_\_\_\_\_
- Depth to free water in observation hole: \_\_\_\_\_
- Depth to soil saturation in observation hole: \_\_\_\_\_
- Water marks: \_\_\_\_\_
- Drift lines: \_\_\_\_\_
- Sediment deposits: \_\_\_\_\_
- Drainage patterns in BVW: \_\_\_\_\_
- Oxidized rhizospheres: \_\_\_\_\_
- Water-stained leaves: \_\_\_\_\_
- Recorded data (stream, lake, or tidal gauge; aerial photo; other): \_\_\_\_\_
- Other: \_\_\_\_\_

**Vegetation and Hydrology Conclusion**

|  |                          |                                     |
|--|--------------------------|-------------------------------------|
| Number of wetland indicator plants       | yes                      | no                                  |
| ≥ number of non-wetland indicator plants | <input type="checkbox"/> | <input type="checkbox"/>            |
| Wetland hydrology present:               | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| hydric soil present                      |                          |                                     |
| other indicators of hydrology present    | <input type="checkbox"/> | <input type="checkbox"/>            |
| Sample location is in a BVW              | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Submit this form with the Request for Determination of Applicability or Notice of Intent.