



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

December 9, 2019

Wetland Inspector
New Hampshire Department of Environmental Services
Wetlands Bureau
29 Hazen Drive / P.O. Box 95
Concord, New Hampshire 03302

**Re: NHDES Major Impact Wetland Permit Application
Tax Map 223, Lot 27
913 Sagamore Avenue
Portsmouth, New Hampshire 03801**

Dear Wetland Inspector:

This letter transmits a New Hampshire Department of Environmental Services (NHDES) Major Impact Wetland Permit Application request to permit 1,538 sq. ft. of permanent impact to tidal wetland and 180 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for the replacement of an existing tidal docking structure consisting of a 12' x 15' accessway, a 12' x 52' fixed wood pier, a 4' x 24' aluminum gangway, a 10' x 5' landing float, and four 8' x 24' floats (overall structure length 89 feet) providing seven commercial slips on 187+/- feet of frontage along Sagamore Creek.

Attached to this application you will find a "NH DES Dock Permit Plan-C2" which depicts the existing lot, jurisdictional areas, abutting parcels, existing structures, proposed work, and permanent impact areas.

The current docking structure is utilized by commercial fishing vessels which rent slip space. Currently, the "backside" (landward side) of the existing floats do not extend beyond Mean Low Low water (MLLW), which therefore rest of the bottom substrate at low tide minimizing boat access to Sagamore Creek. The proposed structure would extend beyond MLLW providing improved access to Sagamore Creek providing more productive use of the shoreline frontage and the proposed docking structure on the subject lot.

The proposed structure will be constructed on pilings within the tidal wetland further reducing permanent impacts to the tidal wetland resource. The project will have no significant impact on the functions and values of the tidal wetland. The docking structure has been designed to allow the tidal resource to maintain its current functions and values. The docking structure will not contribute to additional storm water or pollution. It is anticipated that there will be no affect on any fish and wildlife species that currently use the site for food, cover, and/or habitat. The tidal docking structure will not impede tidal flow or alter hydrology, it will not deter use by wildlife species that currently use the tidal wetland area, and it will not impede any migrational fish movement.

Design considerations that demonstrate avoidance & minimization and the least impacting alternative include location of the structure to impact the least square footage of tidal wetland with the shortest possible structure to provide the needed water depth.

The proposed dock has been designed to provide commercial boating access utilizing the existing dock footprint while extending beyond Mean Low Low Water (MLLW). There is no grading of the shoreline required to construct the dock. There will be no construction activity that will disturb the area adjacent to the use. All work will be performed from a crane barge at low tide and there is no need for erosion control. There will be no water in this location during pile driving and therefore no temporary disturbance associated with construction. The barge floats into position and the piles are driven by the crane equipped with a vibratory hammer. This method eliminates any contact of construction equipment with the protected resource. Portions of the docking structure are pre-fabricated off site and transported to the site via crane barge.

The construction sequence for the proposed structure are as follows:

- Mobilization of a crane barge, push boat, work skiff, materials and prefabricated components such as the gangway and float to the site via Sagamore Creek.
- Mobilization of equipment trucks to the site.
- The barge will be positioned alongside the proposed location of the new dock and waterward of any emergent vegetation to minimize impacts.
- Installation of the sub structure will be performed from a crane barge or skiff to reduce the amount of foot traffic in the intertidal area.
- All work will be performed at low tide to minimize sedimentation.
- Pilings will be mechanically driven by a crane eliminating any excavation for installation of the pilings. Piling are driven to refusal.
- Pilings are cut and beam caps are installed and the super structure of the pier is built. Materials are lifted from the barge and set into position by the crane.
- Once the pier is complete, the gangway and float are brought into position and installed.

The project represents the alternative with the least adverse impacts to areas and environments while allowing reasonable use of the property.

In order to complete the application package for this project, the DES Wetlands Bureau rules in Chapter Env-Wt 300 have been thoroughly reviewed, specifically Env-Wt 302.04 (a) which are addressed below.

1. The need for the proposed impact;

The impacts are needed for a docking structure to provide sufficient water depth that provides "all tide" commercial boating access to Sagamore Creek. The proposed length provides sufficient water depth for docking, and sufficient water depth for navigation, particularly for slips located on the "back-side" of the proposed floats.

2. The alternative proposed by the applicant is the one with the least impact to wetlands or surface waters on site;

The proposed structure will have a minimum pier height of approximately 4 feet and greater to prevent total shading underneath the structure and it will be constructed on pilings within the tidal wetland further reducing permanent impacts to the tidal wetland resource. The structure has been located to impact the least square footage of tidal wetland, while improving commercial boating access to Sagamore Creek.

3. The type and classification of the wetlands involved;

The project proposes impacts to jurisdictional tidal wetlands. The tidal wetlands to be impacted would be classified as estuarine subtidal unconsolidated shore mud wetland system that is regularly flooded by the tide (E1UBL).

4. The relationship of the proposed wetlands to be impacted relative to nearby wetlands and surface waters;

The impacts are to jurisdictional tidal wetlands and Sagamore Creek, which is connected to Little Harbor and the Piscataqua River.

5. The rarity of the wetland, surface water, sand dunes, or tidal buffer zone area;

A majority of the tidal buffer zone on adjacent properties is previously developed, contain similar docking structures, and the adjacent wetlands are not locally rare or unique.

6. The surface area of the wetlands that will be impacted;

The project proposes 1,562 sq. ft. of permanent impacts to jurisdictional tidal wetlands; and 180 sq. ft. of impact to previously developed Tidal Buffer Zone for a total of 1,718 sq. ft. of jurisdictional impacts.

7. The impact on plants, fish and wildlife including, but not limited to;

- a. Rare, special concern species;
- b. State and federally listed threatened and endangered species;
- c. Species at the extremities of their range;
- d. Migratory fish and wildlife;
- e. Exemplary natural communities identified by the DRED-NHB; and
- f. Vernal pools.

A review of the New Hampshire Natural Heritage Bureau (NHB) database was performed and NHB determined that although there was an NHB record (e.g., rare wildlife, plant, and/or natural community) within the vicinity of the proposed project; it is not expected that it will be impacted by the proposed project. Utilizing the NH Coastal Viewer on the UNH GRANIT system, attached are the following maps (with approximate location of the docking structure) of the site for your use: Highest Ranked Wildlife Habitat, Wildlife Habitat Cover, Shellfish Beds and Eelgrass. Also attached, are the results of an Essential Fish Habitat Query from the NOAA Essential Fish Habitat online resource. The NOAA Essential Fish Habitat report identifies no habitat areas of particular concern. Given the nature of the project, it is anticipated that there will be no affect on any fish and wildlife species that currently use the site for food, cover, and/or habitat. The tidal docking structure will not impede tidal flow or alter hydrology, it will not deter use by wildlife species that currently use the wetland area, and it will not impede any migrational fish movement.

8. The impact of the proposed project on public commerce, navigation and recreation;
The project will have no impact on public commerce, navigation and recreation. The portion of Sagamore Creek on which the docking structure is proposed will not interfere with the Federal navigational channel as the federal channel terminates on the eastern side of the Sagamore Avenue bridge. Given this factor, the proposed project will have no impact on public commerce, navigation, and recreation.
9. The extent to which the project interferes with the aesthetic interests of the general public;
The surrounding lots are residential and have similar tidal docking structures.
10. The extent to which a project interferes with or obstructs public rights of passage or access;
The project does not interfere with any rights of passage or access.
11. The impact to abutting owners pursuant to RSA 482-A:11, II;
The specific location of the impact areas does not interfere with any abutters.
12. The benefit of a project to the health, safety, and well being of the general public;
The project provides safe boating and commercial access to Sagamore Creek, The Piscataqua River and the Atlantic Ocean, all of which are public waters.
13. The impact of the proposed project on quantity or quality of surface and ground water;
The project will not result in an increase of stormwater quality, and will have no effect on the stormwater quality leaving the site and entering Sagamore Creek, a public water.
14. The potential of a proposed project to cause or increase flooding, erosion or sedimentation;
The proposed project will not increase flooding, erosion or sedimentation.
15. The extent to which a project that is located in surface waters reflects or redirects current or wave energy which might cause damage or hazards;
The project will have no impacts to currents or wave energy within surface waters. Additionally, the float and gangway will be temporary docking structures and will be removed during winter months as to not interfere with ice floe.
16. The cumulative impact that would result if all parties owning or abutting a portion of the affected wetland or wetland complex were also permitted alterations to the wetland proportional to the extent of their property rights;
The adjacent properties are located directly adjacent to the same tidal wetland system, and most properties surrounding Sagamore Creek also have similar docking structures. Cumulative impacts if all parties surrounding Sagamore Creek had similar docking structures is insignificant as tidal docks are designed to minimize impact, do not contribute to additional stormwater or pollution, and do not impede fish migration or deter use by wildlife species.
17. The impact of the proposed project on the functions and values of the total wetland or wetland complex;
The project will have no significant impact on the functions and values of the adjacent tidal wetland. The docking structure has been designed to allow the adjacent tidal resource to maintain its current functions and values.

18. The impact upon the value of the sites included in the latest published edition of the National Register of Natural Landmarks, or sites eligible for such publication;

There are no such sites located in close enough proximity to the project to be impacted.

19. The impact upon the value of areas named in acts of congress or presidential proclamations as national rivers, national wilderness areas, national lakeshores, and such areas as may be established under federal, state, or municipal laws for similar and related purposes such as estuarine and marine sanctuaries;

There are no such sites located in close enough proximity to the project to be impacted.

20. The degree to which a project redirects water from one watershed to another;

The project does not redirect water to another watershed.

Please contact me if you have any questions or concerns regarding this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'S. Riker', with a stylized flourish at the end.

Steven D. Riker, CWS
NH Certified Wetland Scientist/Permitting Specialist
Ambit Engineering, Inc.



WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau Land Resources Management

Check the status of your application: www.des.nh.gov/onestop



RSA/Rule: [RSA 482-A](#)/ [Env-Wt 100-900](#)

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

1. REVIEW TIME: Indicate your Review Time below. To determine review time, refer to [Guidance Document A](#) for instructions.

☒ Standard Review (Minimum, Minor or Major Impact)

☐ Expedited Review (Minimum Impact only)

2. MITIGATION REQUIREMENT:

If mitigation is required, a Mitigation-Pre Application meeting must occur prior to submitting this Wetlands Permit Application. To determine if mitigation is required, please refer to the [Determine if Mitigation is Required Frequently Asked Questions](#).

Mitigation Pre-Application Meeting Date: Month: ___ Day: ___ Year: ____

☒ N/A - Mitigation is not required

3. PROJECT LOCATION:

Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS: **913 Sagamore Avenue**

TOWN/CITY: **Portsmouth**

TAX MAP: **223**

BLOCK:

LOT: **27**

UNIT:

USGS TOPO MAP WATERBODY NAME: **Sagamore Creek**

☐ NA

STREAM WATERSHED SIZE:

☐ NA

LOCATION COORDINATES (If known): **X:1,222,9314.049637 Y: 203,350.331196**

☐ Latitude/Longitude ☐ UTM ☒ State Plane

4. PROJECT DESCRIPTION:

Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

The project proposes 1,538 sq. ft. of permanent impact to tidal wetland and 180 sq. ft. of permanent impact to the previously developed 100' Tidal Buffer Zone for the replacement of an existing tidal docking structure consisting of a 12' x 15' accessway, a 12' x 52' fixed wood pier, a 4' x 24' aluminum gangway, a 10' x 5' landing float, and four 8' x 24' floats (overall structure length 95 feet) providing seven commercial slips on 187+/- feet of frontage along Sagamore Creek.

5. SHORELINE FRONTAGE:

☐ N/A This does not have shoreline frontage.

SHORELINE FRONTAGE: **187 Feet**

Shoreline Frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line ([Env-Wt 101.89](#)).

6. RELATED NHDES LAND RESOURCES MANAGEMENT PERMIT APPLICATIONS ASSOCIATED WITH THIS PROJECT:

Please indicate if any of the following permit applications are required and, if required, the status of the application.

To determine if other Land Resources Management Permits are required, refer to the [Land Resources Management Webpage](#).

Permit Type	Permit Required	File Number	Permit Application Status
Alteration of Terrain Permit Per RSA 485-A:17	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Individual Sewerage Disposal per RSA 485-A:2	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Subdivision Approval Per RSA 485-A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Shoreland Permit Per RSA 483-B	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED

7. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:

See the [Instructions & Required Attachments](#) document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB **19** - **3594**.

b. ☐ This project is within a [Designated River](#) corridor. The project is within ¼ mile of: _____; and
date a copy of the application was sent to the [Local River Management Advisory Committee](#): Month: ___ Day: ___ Year: ____

☒ N/A – This project is not within a Designated River corridor.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

8. APPLICANT INFORMATION (Desired permit holder)LAST NAME, FIRST NAME, M.I.: **Ricci, Heidi**TRUST / COMPANY NAME: **Hogswave, LLC.**MAILING ADDRESS: **912 Sagamore Avenue**TOWN/CITY: **Portsmouth**STATE: **NH**ZIP CODE: **03801**EMAIL or FAX: **jricci@ricciconstruction.com**PHONE: **603-234-9932**

ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

9. PROPERTY OWNER INFORMATION (If different than applicant)

LAST NAME, FIRST NAME, M.I.:

TRUST / COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

10. AUTHORIZED AGENT INFORMATIONLAST NAME, FIRST NAME, M.I.: **Riker, Steve, D.**COMPANY NAME: **Ambit Engineering, Inc.**MAILING ADDRESS: **200 Griffin Road, Unit 3**TOWN/CITY: **Portsmouth**STATE: **NH**ZIP CODE: **03801**EMAIL or FAX: **sdr@ambitengineering.com**PHONE: **603-430-9282**ELECTRONIC COMMUNICATION: By initialing here SR, I hereby authorize NHDES to communicate all matters relative to this application electronically.**11. PROPERTY OWNER SIGNATURE:**See the [Instructions & Required Attachments](#) document for clarification of the below statements

By signing the application, I am certifying that:

1. I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
2. I have reviewed and submitted information & attachments outlined in the [Instructions and Required Attachment](#) document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
7. I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for National Historic Preservation Act (NHPA) 106 compliance.
8. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the NHDES is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.
12. The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned mail.



Agent-See Authorization

Steven D. Riker

12 / 9 / 2019

Property Owner Signature

Print name legibly

Date

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

MUNICIPAL SIGNATURES

12. CONSERVATION COMMISSION SIGNATURE

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.

	Print name legibly	Date
--	--------------------	------

DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained **prior** to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will be reviewed in the standard review time frame.

13. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

	Print name legibly	Town/City	Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,I

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

14. IMPACT AREA:

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact.

Permanent: impacts that will remain after the project is complete.

Temporary: impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

Intermittent Streams: linear footage distance of disturbance is measured along the thread of the channel.

Perennial Streams/ Rivers: the total linear footage distance is calculated by summing the lengths of disturbance to the channel and each bank.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Perennial Stream / River channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	180 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	1,538 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	1,718 /	/

15. APPLICATION FEE: See the [Instructions & Required Attachments](#) document for further instruction

☐ Minimum Impact Fee or Fee for Non-enforcement related, publicly-funded and supervised restoration projects, regardless of impact classification (see RSA 482-A:3, 1(c)): Flat fee of \$ 400

☒ Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking) _____ sq. ft. X \$0.40 = \$ _____

Temporary (seasonal) docking structure: _____ sq. ft. X \$2.00 = \$ _____

Permanent docking structure: **1,718** sq. ft. X \$4.00 = **\$ 6,872.00**

Projects proposing shoreline structures (including docks) add \$400 = \$ 400

Total = **\$ 7,272.00**

The Application Fee is the above calculated Total or \$400, whichever is greater = **\$ 7,272.00**

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

4 December, 2019

To Whom It May Concern

**RE: New Hampshire Department of Environmental Services Wetlands Bureau
Application for the replacement of the existing tidal docking structure for
Hogswave LLC., 912 Sagamore Ave, Portsmouth, NH.**

This letter is to inform the New Hampshire Department of Environmental Services, in accordance with State Law that Ambit Engineering is authorized to represent me as my agent in the approval process.

Please feel free to call me if there is any question regarding this authorization.

Sincerely,

A handwritten signature in blue ink that reads "Heidi Ricci". The signature is fluid and cursive, with a small horizontal line at the end.

Heidi Ricci – Manager
Hogswave LLC
912 Sagamore Ave
Portsmouth, NH 03801

Map by NH GRANIT



Legend

- State
- County
- City/Town

Map Scale

1: 6,494

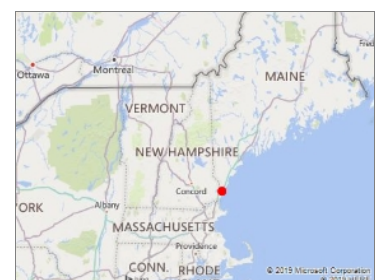
© NH GRANIT, www.granit.unh.edu

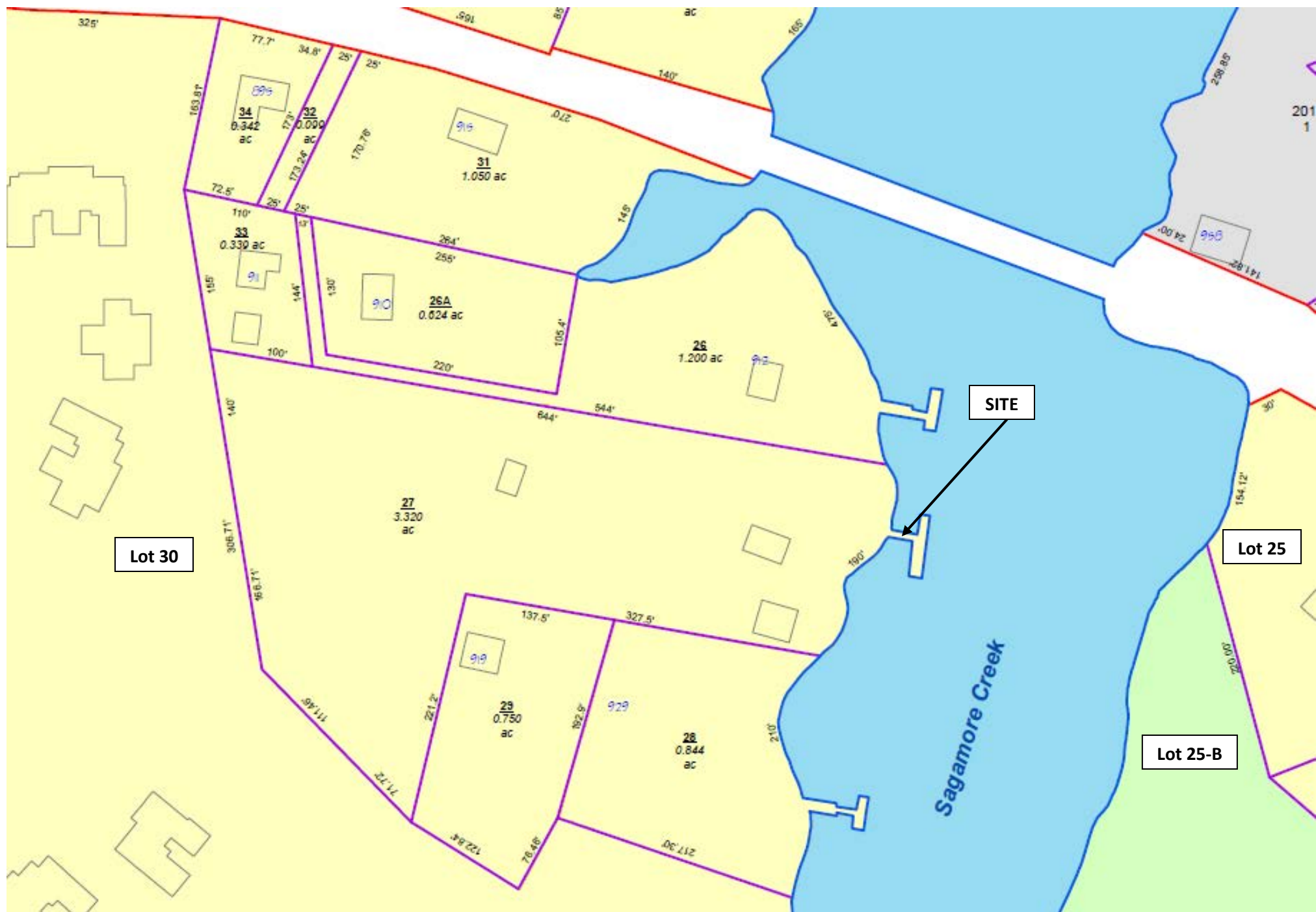
Map Generated: 11/5/2019



Notes

USGS Map





ABUTTER'S LIST

JN 3116

Client: Hogswave, LLC

Project Address: 913 Sagamore Ave, Portsmouth, NH 03801

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
223	28	Golter Lobster Sales, LLC		30 Nantucket PL	Greenland, NH 03840
223	29	Fanel Dobre		919 Sagamore Ave	Portsmouth, NH 03801
223	30	Tidewatch Condominium		579 Sagamore Ave	Portsmouth, NH 03801
223	33	Debra M. Dupont		911 Sagamore Ave	Portsmouth, NH 03801
223	26	Heidi S. Ricci Revocable Trust		912 Sagamore Ave	Portsmouth, NH 03801
223	25	Seacoast Mental Health Center		1145 Sagamore Ave	Portsmouth, NH 03801
223	25B	City of Portsmouth		1 Junkins Ave	Portsmouth, NH 03801



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Tidewatch Condominium
579 Sagamore Avenue
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

This letter is sent to inform you as an abutter to the above-referenced property (according to local Municipal records) that **Hogswave LLC** proposes a project that requires construction in the previously developed tidal buffer zone, and jurisdictional wetland areas.

Plans are on file at this office, and once the application is filed, plans that show the proposed project and wetland and other jurisdictional impacts will be available for viewing during normal business hours at the office of the **Portsmouth** clerk, **Portsmouth City offices**, or once received by DES, at the offices of the DES Wetlands Bureau, (8 a.m. to 4 p.m.) (603) 271-2147. It is suggested that you call ahead to the appropriate office to ensure the application is available for review.

Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

CERTIFIED MAIL/Return Receipt Requested



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

City of Portsmouth
1 Junkins Ave
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

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Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

CERTIFIED MAIL/Return Receipt Requested



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Seacoast Mental Health Center
1145 Sagamore Ave
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

This letter is sent to inform you as an abutter to the above-referenced property (according to local Municipal records) that **Hogswave LLC** proposes a project that requires construction in the previously developed tidal buffer zone, and jurisdictional wetland areas.

Plans are on file at this office, and once the application is filed, plans that show the proposed project and wetland and other jurisdictional impacts will be available for viewing during normal business hours at the office of the **Portsmouth** clerk, **Portsmouth City offices**, or once received by DES, at the offices of the DES Wetlands Bureau, (8 a.m. to 4 p.m.) (603) 271-2147. It is suggested that you call ahead to the appropriate office to ensure the application is available for review.

Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

CERTIFIED MAIL/Return Receipt Requested



AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Heidi S. Ricci Revocable Trust
912 Sagamore Ave
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

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Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

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AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Debra Dupont
911 Sagamore Ave
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

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Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

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AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Fanel Dobre
919 Sagamore Ave
Portsmouth, NH 03801

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

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Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

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AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS
200 Griffin Road, Unit 3, Portsmouth, NH 03801 Phone (603) 430-9282 Fax 436-2315

9 December, 2019

Golter Lobster Sales, LLC
30 Nantucket PL
Greenland, NH 03840

RE: New Hampshire Wetland Application for replacement of a tidal docking structure for Hogswave LLC, 913 Sagamore Ave, Portsmouth, NH.

Dear Property Owner,

Under NH RSA 482-A, this letter is to inform you in accordance with State Law that a Wetlands Permit will be filed with the New Hampshire Department of Environmental Services (DES) Wetlands Bureau for a permit to **impact jurisdictional wetlands and the previously developed 100' Tidal Buffer Zone for the replacement of a tidal docking structure**, on behalf of your abutter, **Hogswave LLC**.

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Please feel free to call if you have any questions or comments.

Sincerely,

Steven D. Riker
NH Certified Wetland Scientist/Permitting Specialist

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☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

\$

Sent To

DOBRE

Street and Apt. No., or PO Box No.

919 SAGAMORE AVE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



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☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

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Sent To

GOLTER LOASTER

Street and Apt. No., or PO Box No.

30 NANTUCKET PLACE

City, State, ZIP+4®

GREENLAND, NH 03840

PS Form 3800, April 2015 PSN 7530-02-000-9047

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☐ Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

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Sent To

RECE

Street and Apt. No., or PO Box No.

912 SAGAMORE AVE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

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☐ Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

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Sent To

DUPONT

Street and Apt. No., or PO Box No.

911 SAGAMORE AVE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



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☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees

\$

Sent To

CITY OF PORTSMOUTH

Street and Apt. No., or PO Box No.

1 JUNKINS AVE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



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☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

\$

Total Postage and Fees

\$

Sent To

SEACAST MENTAL HEALTH CENTER

Street and Apt. No., or PO Box No.

1145 SAGAMORE AVE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



7018 3090 0001 5813 5441

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy)

\$

☐ Return Receipt (electronic)

\$

☐ Certified Mail Restricted Delivery

\$

☐ Adult Signature Required

\$

☐ Adult Signature Restricted Delivery

\$

Postage

\$

Total Postage and Fees

\$

Sent To

TIDEWATCH CONDOMINIUM

Street and apt. no., or PO Box No.

519 SAGAHORE AVENUE

City, State, ZIP+4®

PORTSMOUTH, NH 03801

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions



NH DES-Wetlands Bureau Application
Hogswave, LLC
Tidal Docking Structure

SITE PHOTOGRAPHS
Portsmouth, NH

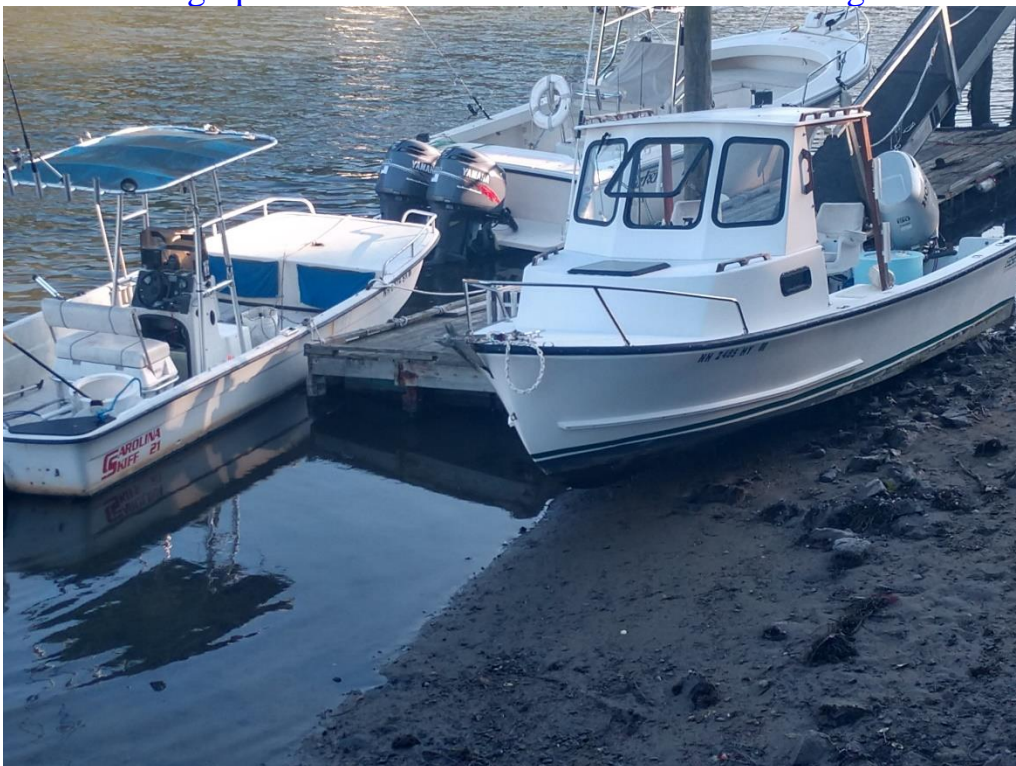
Site Photograph #1

August 2019



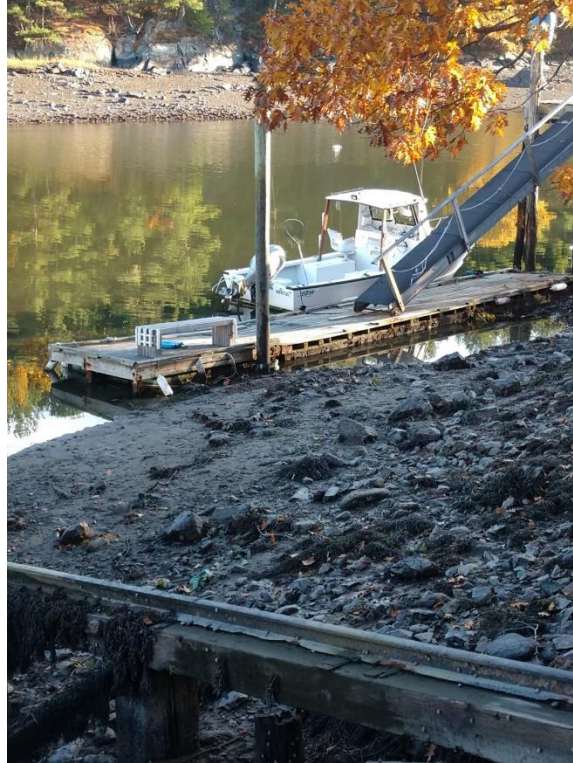
Site Photograph #2

August 2019



Site Photograph #3

October 2019



Site Photograph #4

October 2019



Site Photograph #5

October 2019

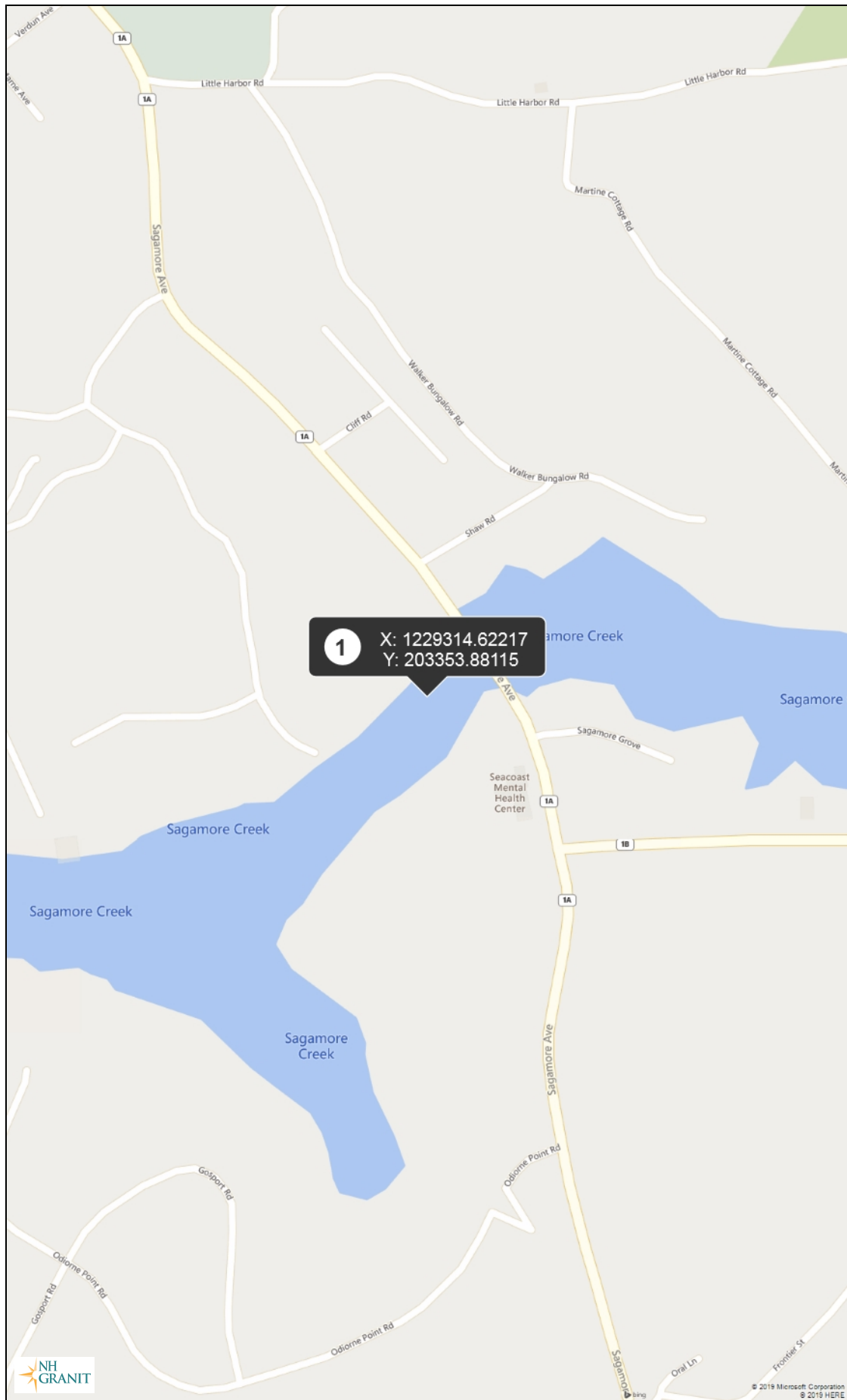


Site Photograph #6

November 2019



Map by NH GRANIT



Legend

■ 2017

Map Scale

1: 6,494

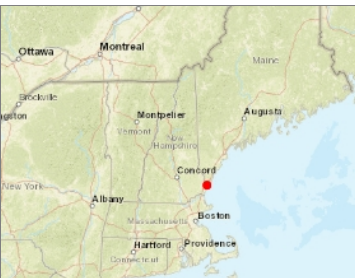
© NH GRANIT, www.granit.unh.edu

Map Generated: 11/5/2019

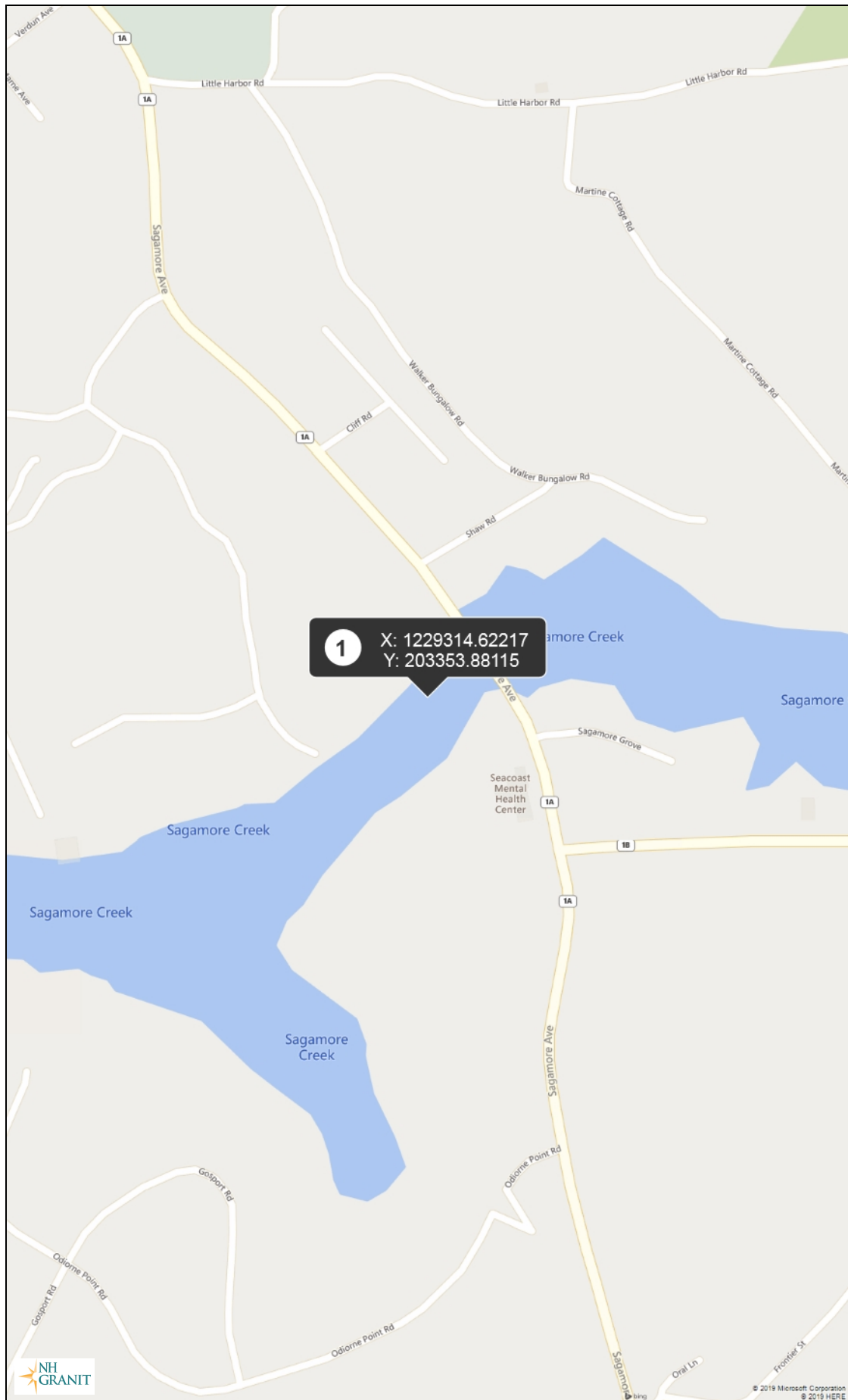


Notes

Current Shellfish Beds



Map by NH GRANIT



Legend

■ 2017

Map Scale

1: 6,494

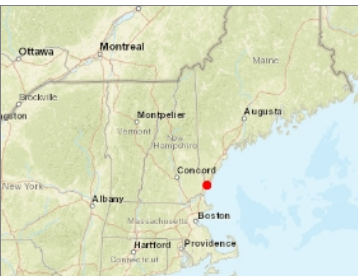
© NH GRANIT, www.granit.unh.edu

Map Generated: 11/5/2019

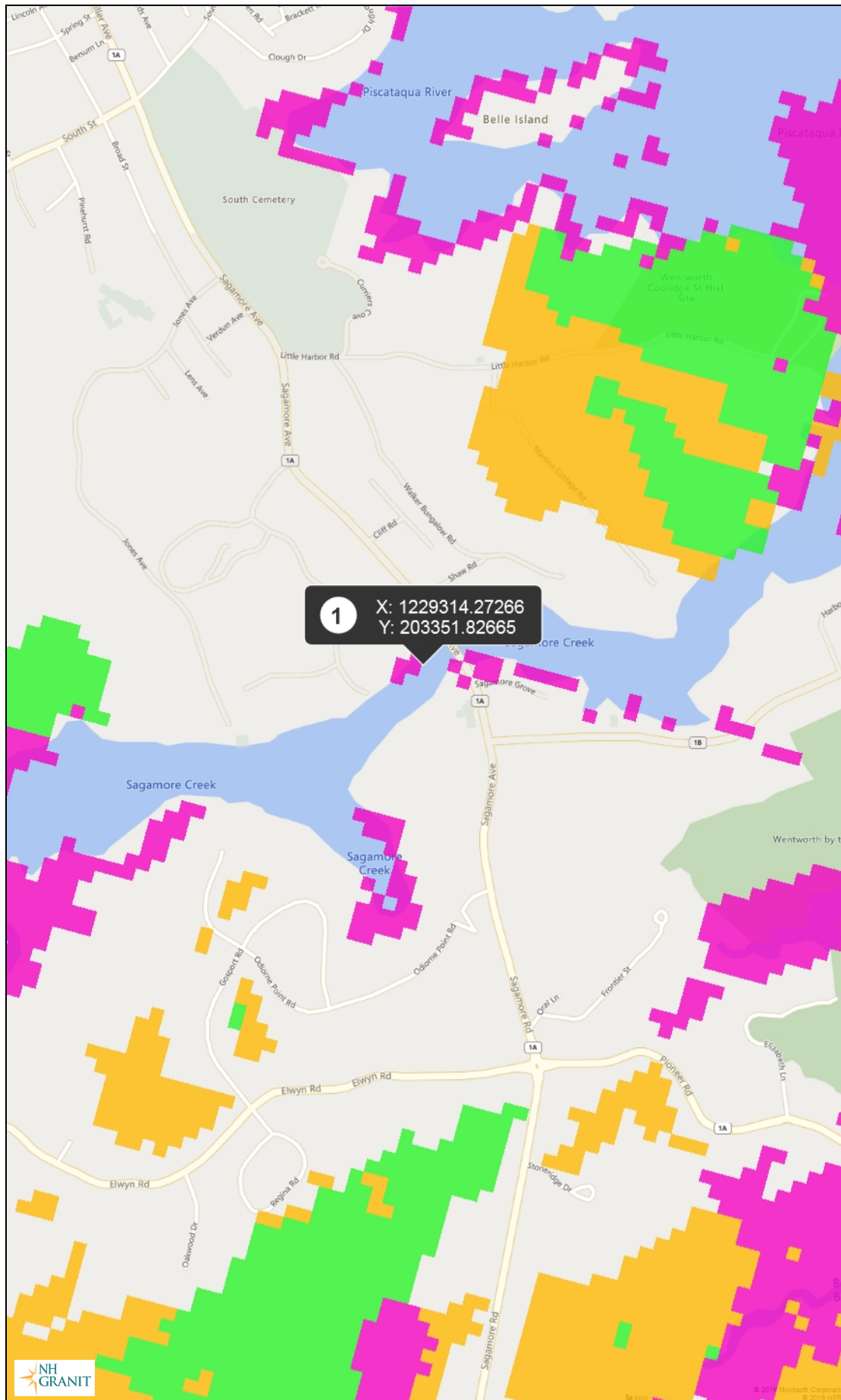


Notes

Eelgrass 2017



Map by NH GRANIT



Legend

Highest Ranked Wildlife Hat

- Not Top Ranked
- Highest Ranked Habitat in NH
- Highest Ranked Habitat in Region
- Supporting Landscape

Map Scale

1: 12,988

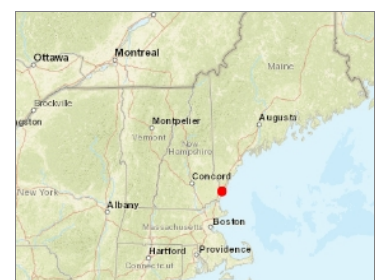
© NH GRANIT, www.granit.unh.edu

Map Generated: 11/6/2019

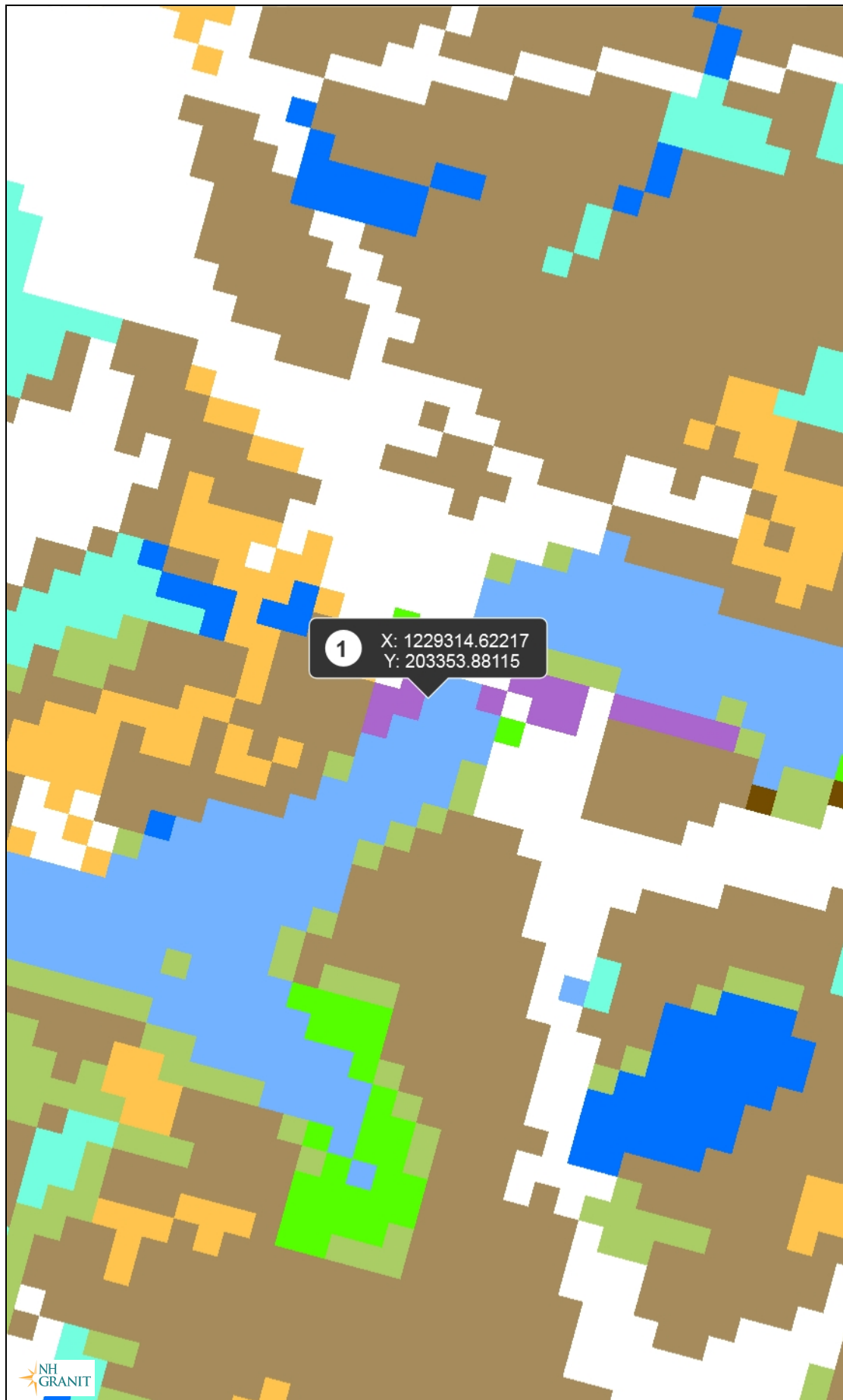


Notes

Highest Ranked Wildlife Habitat



Map by NH GRANIT



Legend

Wildlife Habitat Land Cover

- Alpine
- Appalachian oak-pine
- Cliff and Talus
- Coastal island
- Dune
- Floodplain forest
- Grassland
- Hemlock-hardwood-pine
- High-elevation spruce-fir
- Lowland spruce-fir
- NLCD Developed or barren
- Northern hardwood-conifer
- Northern swamp
- Open water
- Peatland
- Pine barren
- Rocky ridge
- Salt marsh
- Temperate swamp
- Wet meadow/shrub wetland

Map Scale

1: 6,494

© NH GRANIT, www.granit.unh.edu

Map Generated: 11/5/2019



Notes

Wildlife Habitat Land Cover



EFH Data Notice: Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional Fishery Management Councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

Greater Atlantic Regional Office
Atlantic Highly Migratory Species Management Division

Query Results



















Degrees, Minutes, Seconds: Latitude = 43°3'16" N, Longitude = 71°14'59" W
Decimal Degrees: Latitude = 43.05, Longitude = -70.75

























The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.







*** WARNING ***

Please note under "Life Stage(s) Found at Location" the category "ALL" indicates that all life stages of that species share the same map and are designated at the queried location.

EFH

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
			Atlantic Sea Scallop	ALL	New England	Amendment 14 to the Atlantic Sea Scallop FMP
			Atlantic Wolffish	ALL	New England	Amendment 14 to the Northeast Multispecies FMP
			Winter Flounder	Eggs Juvenile Larvae/Adult	New England	Amendment 14 to the Northeast Multispecies FMP
			Little Skate	Juvenile Adult	New England	Amendment 2 to the Northeast Skate Complex FMP
			Atlantic Herring	Juvenile Adult Larvae	New England	Amendment 3 to the Atlantic Herring FMP
			Atlantic Cod		New England	

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
				Larvae Adult Eggs		Amendment 14 to the Northeast Multispecies FMP
			Pollock	Juvenile Eggs Larvae	New England	Amendment 14 to the Northeast Multispecies FMP
			Red Hake	Adult Eggs/Larvae/Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Windowpane Flounder	Adult Larvae Eggs Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Winter Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			Smooth Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			White Hake	Adult Eggs Juvenile	New England	Amendment 14 to the Northeast Multispecies FMP
			Thorny Skate	Juvenile	New England	Amendment 2 to the Northeast Skate Complex FMP
			Atlantic Mackerel	Eggs Larvae Juvenile	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11

Show	Link	Data Caveats	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
			Bluefish	Adult Juvenile	Mid-Atlantic	Bluefish
			Atlantic Butterfish	Adult	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11

HAPCs

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data. **For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)

Mid-Atlantic Council HAPCs,

No spatial data for summer flounder SAV HAPC.



NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: John Chagnon, Ambit Engineering, Inc.
200 Griffin Road
Unit 3
Portsmouth, NH 03801

From: NH Natural Heritage Bureau

Date: 11/8/2019 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 11/6/2019

NHB File ID: NHB19-3594

Applicant: John Ricci

Location: Portsmouth
Tax Maps: 223/27

Project Description: Expand an existing docking structure to provide improved boating access to Sagamore Creek.

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 11/6/2019, and cannot be used for any other project.

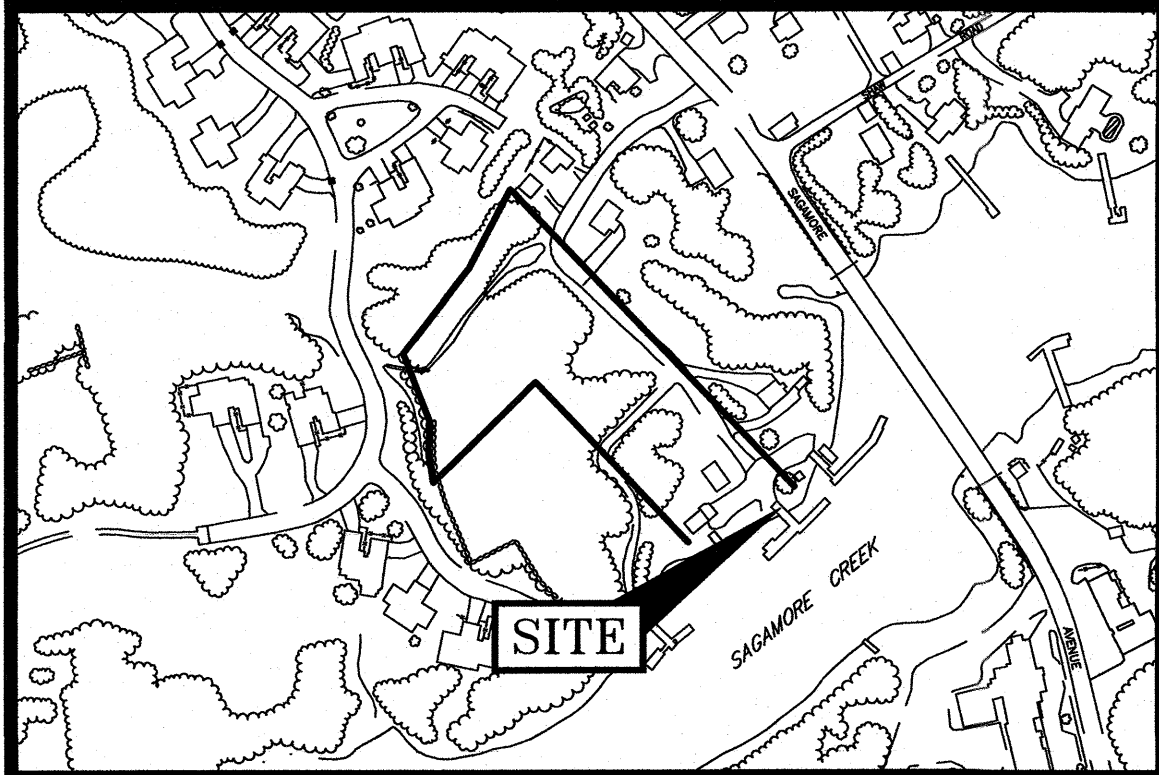


NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACheck RESULTS LETTER

MAP OF PROJECT BOUNDARIES FOR: **NHB19-3594**

NHB19-3594





LOCATION MAP

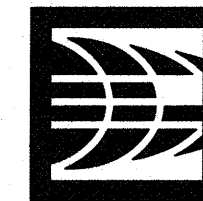
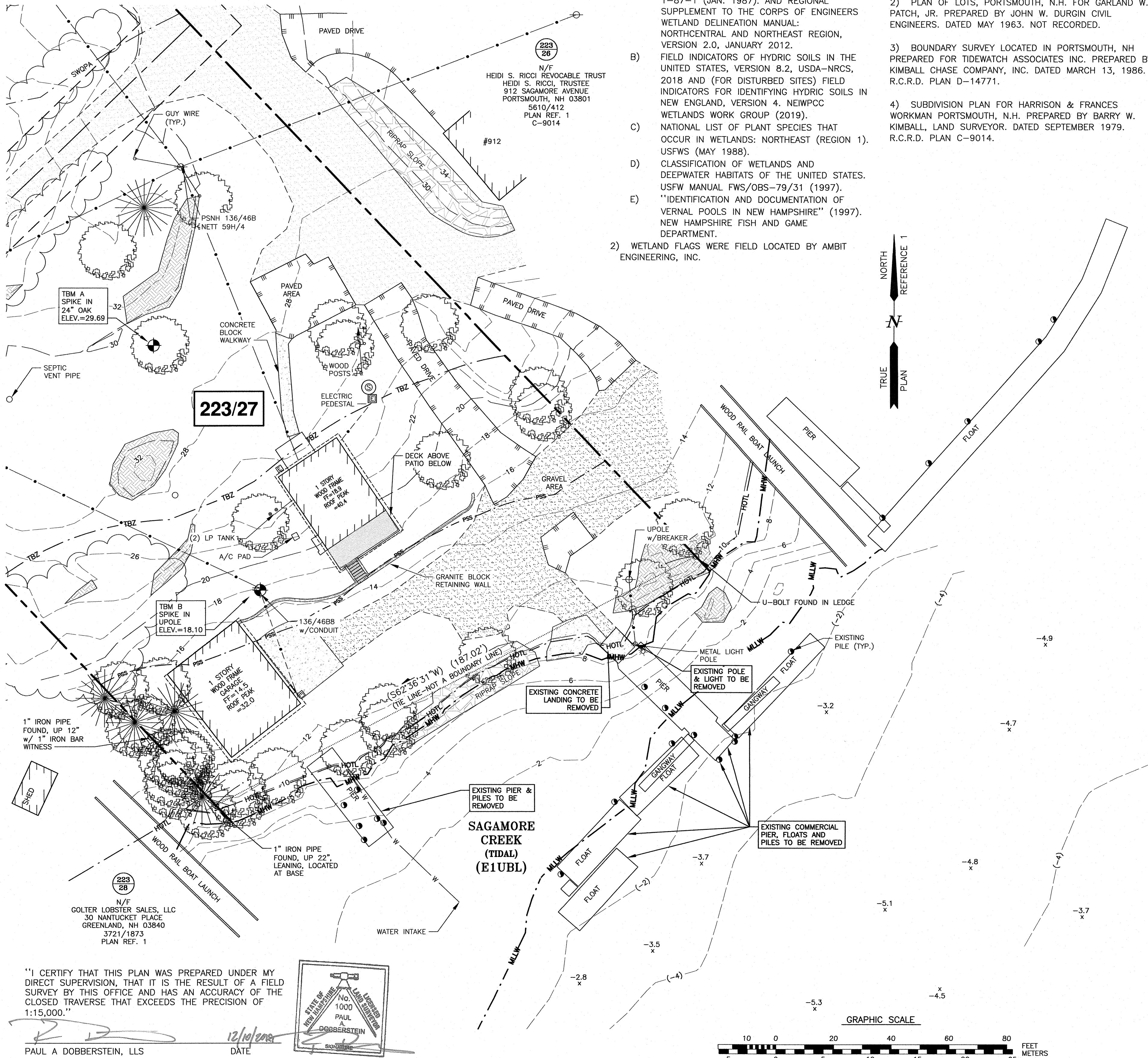
SCALE 1"=300'

BEST MANAGEMENT PRACTICES NOTES:

- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).

DEMOLITION NOTES

- 1) THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE DESIGNER. IT IS THE CONTRACTORS' RESPONSIBILITY TO LOCATE UTILITIES AND ANTICIPATE CONFLICTS. CONTRACTOR SHALL REPAIR EXISTING UTILITIES DAMAGED BY THEIR WORK AND RELOCATE EXISTING UTILITIES THAT ARE REQUIRED TO BE RELOCATED PRIOR TO COMMENCING ANY WORK IN THE IMPACTED AREA OF THE PROJECT.
- 2) ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTORS UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES. THE CONTRACTOR SHALL COORDINATE REMOVAL, RELOCATION, DISPOSAL, OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
- 3) ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 4) THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
- 5) IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL THE PERMIT APPROVALS.
- 6) THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL CONSTRUCTION PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR ANY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK.
- 7) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE, UTILITIES, VEGETATION, PAVEMENT, AND CONTAMINATED SOIL WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ANY EXISTING DOMESTIC / IRRIGATION SERVICE WELLS IN THE PROJECT AREA IDENTIFIED DURING THE CONSTRUCTION AND NOT CALLED OUT ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER FOR PROPER CAPPING / RE-USE. ANY EXISTING MONITORING WELLS IN THE PROJECT AREA IDENTIFIED DURING THE CONSTRUCTION AND NOT CALLED OUT ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER TO COORDINATE MONITORING WELL REMOVAL AND/OR RELOCATION WITH NHDES AND OTHER AUTHORITY WITH JURISDICTION PRIOR TO CONSTRUCTION.
- 8) REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL SLUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
- 9) CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED, THE CONTRACTOR SHALL EMPLOY A NH LICENSED LAND SURVEYOR TO REPLACE THEM.
- 10) THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
- 11) ANY CONTAMINATED MATERIAL REMOVED DURING THE COURSE OF THE WORK WILL REQUIRE HANDLING IN ACCORDANCE WITH NHDES REGULATIONS. CONTRACTOR SHALL HAVE A HEALTH AND SAFETY PLAN IN PLACE, AND COMPLY WITH ALL APPLICABLE PERMITS, APPROVALS, AUTHORIZATIONS, AND REGULATIONS



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors

200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

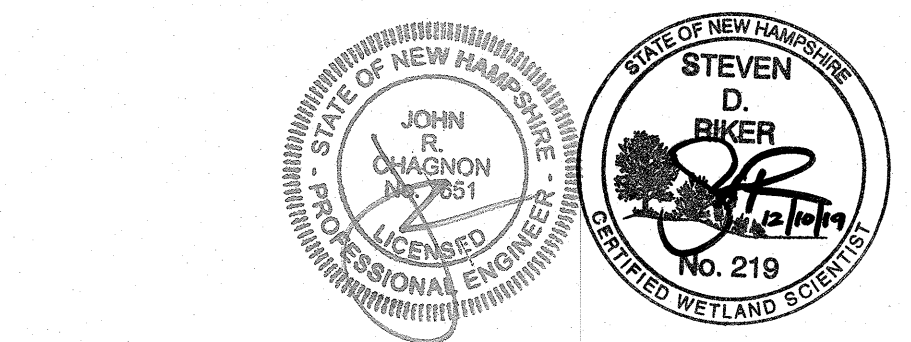
- 1) PARCEL IS SHOWN ON THE CITY OF PORTSMOUTH ASSESSOR'S MAP 223 AS LOT 27.
- 2) OWNERS OF RECORD: HOGSWAVE, LLC 912 SAGAMORE AVENUE PORTSMOUTH, NH 03801 6053/421
- 3) PORTIONS OF THE PARCEL ARE IN A SPECIAL FLOOD HAZARD AREA, ZONE AE(EL. 9) AS SHOWN ON FIRM PANEL 33015C0270E. EFFECTIVE DATE MAY 17, 2005.
- 4) EXISTING LOT AREA: 135,427± S.F. TO MEAN HIGH WATER 3.1090± ACRES TO MEAN HIGH WATER
- 5) PARCEL IS LOCATED IN THE WATERFRONT BUSINESS (WB) ZONING DISTRICT.
- 6) DIMENSIONAL REQUIREMENTS:

	MIN. LOT AREA:	20,000 S.F.
FRONTAGE:	100 FEET	
DEPTH:	100 FEET	
SETBACKS:	FRONT 30 FEET	
	SIDE 30 FEET	
	REAR 20 FEET	
MAXIMUM STRUCTURE HEIGHT:	35 FEET	
MAXIMUM BUILDING COVERAGE:	30%	
MINIMUM OPEN SPACE:	20%	
- 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON A PORTION OF ASSESSOR'S MAP 223 LOT 27 IN THE CITY OF PORTSMOUTH AND PROPOSED DEMOLITION ASSOCIATED WITH THE REPLACEMENT OF A DOCKING STRUCTURE.
- 8) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). MLLW BASED ON NOAA STATION 8419870 PORTSMOUTH HARBOR, SEAVEY ISLAND. MLLW BEING 4.62' LOWER THAN 0.0 NAVD88. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GPS OBSERVATIONS (±0.2').
- 9) MEAN HIGH WATER LINE SHOWN AT ELEVATION 8.43 PER NOAA STATION 8419870 SEAVEY ISLAND, PORTSMOUTH HARBOR.
- 10) PROPERTY IS SUBJECT TO AND BENEFITS FROM A 25 FOOT WIDE RIGHT-OF-WAY IN COMMON WITH OTHERS FROM SAGAMORE AVENUE.
- 11) PROPERTY IS SUBJECT TO A 25 FOOT WIDE RIGHT-OF-WAY FOR THE BENEFIT OF ASSESSOR'S MAP 223 LOTS 28 & 29.

HOGSWAVE, LLC
DOCK REPLACEMENT
913 SAGAMORE AVENUE
PORTSMOUTH, N.H.

0	ISSUED FOR COMMENT	12/9/19
NO.	DESCRIPTION	DATE

REVISIONS



SCALE: 1" = 20' DECEMBER 2019

EXISTING CONDITIONS & DEMOLITION PLAN

C1

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK SKIFF, MATERIALS AND PREFABRICATED COMPONENTS SUCH AS THE GANGWAY AND FLOAT TO THE SITE VIA APPROVED ACCESS.
- 2) MOBILIZATION OF EQUIPMENT TRUCKS TO THE SITE.
- 3) THE BARGE WILL BE POSITIONED ALONGSIDE THE PROPOSED LOCATION OF THE NEW DOCK AND WATERWARD OF ANY EMERGENT VEGETATION TO MINIMIZE IMPACTS.
- 4) INSTALLATION OF THE SUB STRUCTURE WILL BE PERFORMED FROM A CRANE BARGE OR SKIFF TO REDUCE THE AMOUNT OF FOOT TRAFFIC IN THE INTERTIDAL AREA.
- 5) ALL WORK WILL BE PERFORMED AT LOW TIDE TO MINIMIZE SEDIMENTATION.
- 6) PILINGS WILL BE MECHANICALLY DRIVEN BY A CRANE ELIMINATING ANY EXCAVATION FOR INSTALLATION OF THE PILINGS. PILING ARE DRIVEN TO REFUSAL.
- 7) PILINGS ARE CUT AND BEAM CAPS ARE INSTALLED AND THE SUPER STRUCTURE OF THE PIER IS BUILT. MATERIALS ARE LIFTED FROM THE BARGE AND SET INTO POSITION BY THE CRANE.
- 8) ONCE THE PIER IS COMPLETE, THE GANGWAY AND FLOAT ARE BROUGHT INTO POSITION AND INSTALLED.

DISCHARGES, AVOIDANCE, MINIMIZATION AND MITIGATION

DISCHARGES OF DREDGED OR FILL MATERIAL INTO WATERS OF THE U.S. AND ANY SECONDARY IMPACTS SHALL BE AVOIDED AND MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. PERMITTEES MAY ONLY FILL THOSE JURISDICTIONAL WETLANDS AND WATERWAYS THAT THE CORP AND NHDES AUTHORIZES TO BE FILLED AND IMPACT THOSE AREAS THAT THE CORPS AND AND NHDES AUTHORIZES AS SECONDARY IMPACTS. IF NOT SPECIFICALLY AUTHORIZED BY USACE AND AND NHDES, ANY UNAUTHORIZED FILL OR SECONDARY IMPACT TO WETLANDS MAY BE CONSIDERED AS A VIOLATION OF THE CWA.

* UNLESS SPECIFICALLY AUTHORIZED USACE AND AND NHDES, NO WORK SHALL DRAIN A WATER OF THE U.S. BY PROVIDING A CONDUIT FOR WATER ON OR BELOW THE SURFACE.

HEAVY EQUIPMENT IN FRESH WATER WETLANDS

HEAVY EQUIPMENT OTHER THAN FIXED EQUIPMENT (DRILL RIGS, FIXED CRANES, ETC.) WORKING IN WETLANDS SHALL NOT BE STORED, MAINTAINED OR REPAIRED IN WETLANDS, UNLESS IT IS LESS ENVIRONMENTALLY DAMAGING OTHERWISE, AND AS MUCH AS POSSIBLE SHALL NOT BE OPERATED WITHIN THE INTERTIDAL ZONE. WHERE CONSTRUCTION REQUIRES HEAVY EQUIPMENT OPERATION IN WETLANDS, THE EQUIPMENT SHALL EITHER HAVE LOW GROUND PRESSURE (<3 PSI), OR SHALL NOT BE LOCATED DIRECTLY ON WETLAND SOILS AND VEGETATION; IT SHALL BE PLACED ON SWAMP MATS THAT ARE ADEQUATE TO SUPPORT THE EQUIPMENT IN SUCH A WAY AS TO MINIMIZE DISTURBANCE OF WETLAND SOIL AND VEGETATION. SWAMP MATS ARE TO BE PLACED IN THE WETLAND FROM THE UPLAND OR FROM EQUIPMENT POSITIONED ON SWAMP MATS IF WORKING WITHIN A WETLAND. DRAGGING SWAMP MATS INTO POSITION IS PROHIBITED. OTHER SUPPORT STRUCTURES THAT ARE LESS IMPACTING AND ARE CAPABLE OF SAFELY SUPPORTING EQUIPMENT MAY BE USED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. AN ADEQUATE SUPPLY OF SPILL CONTAINMENT EQUIPMENT SHALL BE MAINTAINED ON SITE. CORDUROY ROADS AND SWAMP/CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS

- I. PILES INSTALLED IN-THE-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV. 8TH - APR. 9TH, OR
 - II. MUST BE DRILLED AND PINNED TO LEDGE, OR
 - III. VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
 - IV. IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES ≤18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS ≤3000 LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.
- FOR II-IV ABOVE:
- I. IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE μ Pa OR 206dB PEAK RE μ Pa AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 - II. IN-WATER NOISE LEVELS >155dB PEAK RE μ Pa SHALL NOT EXCEED 12 CONSECUTIVE HOURS ON ANY GIVEN DAY AND A 12 HOUR RECOVERY PERIOD (I.E., IN-WATER NOISE BELOW 155dB PEAK RE μ Pa) MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION

- I. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
- II. THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
- III. IN AREAS OF AUTHORIZED TEMPORARY DISTURBANCE, IF TREES ARE CUT THEY SHALL BE CUT AT GROUND LEVEL AND NOT UPROOTED IN ORDER TO PREVENT DISRUPTION TO THE WETLAND SOIL STRUCTURE AND TO ALLOW STUMP SPROUTS TO REVEGETATE THE WORK AREA, UNLESS OTHERWISE AUTHORIZED.
- IV. WETLAND AREAS WHERE PERMANENT DISTURBANCE IS NOT AUTHORIZED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION, WHICH UNDER NO CIRCUMSTANCES SHALL BE HIGHER THAN THE PRE-CONSTRUCTION ELEVATION. ORIGINAL CONDITION MEANS CAREFUL PROTECTION AND/OR REMOVAL OF EXISTING SOIL AND VEGETATION, AND REPLACEMENT BACK TO THE ORIGINAL LOCATION SUCH THAT THE ORIGINAL SOIL LAYERING AND VEGETATION SCHEMES ARE APPROXIMATELY THE SAME, UNLESS AUTHORIZED.

SEDIMENTATION AND EROSION CONTROL

ADEQUATE SEDIMENTATION AND EROSION CONTROL MANAGEMENT MEASURES, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, GEOTEXTILE SILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS, OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY MAINTAINED, TO REDUCE EROSION AND RETAIN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OF COLLECTING SEDIMENT, SUSPENDED AND FLOATING MATERIALS, AND OF FILTERING FINE SEDIMENT. THE DISTURBED AREAS SHALL BE STABILIZED AND THESE DEVICES SHALL BE REMOVED UPON COMPLETION OF WORK. THE SEDIMENT COLLECTED BY THESE DEVICES SHALL BE REMOVED AND PLACED AT AN UPLAND LOCATION, IN A MANNER THAT WILL PREVENT ITS LATER EROSION INTO A WATERWAY OR WETLAND. ALL EXPOSED SOIL AND OTHER FILLS SHALL BE PERMANENTLY STABILIZED AT THE EARLIEST PRACTICABLE DATE.

SPAWNING AREAS.

DISCHARGES OF DREDGED OR FILL MATERIAL, AND/OR SUSPENDED SEDIMENT PRODUCING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AMPHIBIAN AND MIGRATORY BIRD BREEDING AREAS, DURING SPAWNING OR BREEDING SEASONS SHALL BE AVOIDED. IMPACTS TO THESE AREAS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE DURING ALL TIMES OF THE YEAR. INFORMATION ON SPAWNING HABITAT FOR SPECIES MANAGED UNDER THE MAGNUSON-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E., EFH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT: WWW.NMFS.GOV/HCD.

STORAGE OF SEASONAL STRUCTURES.

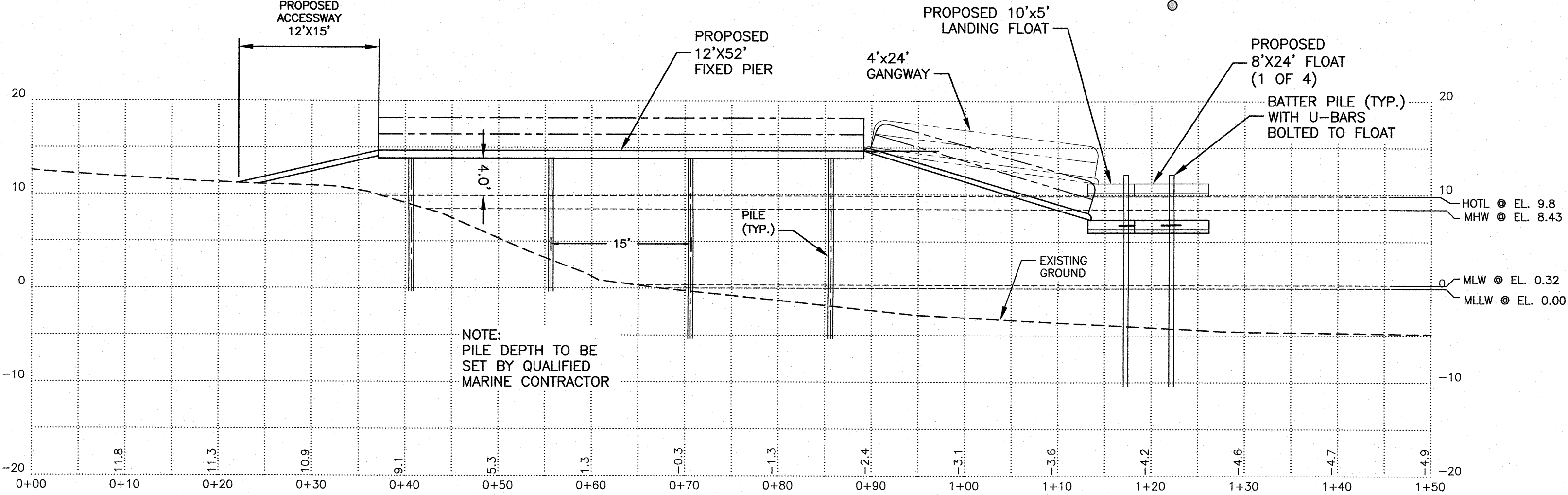
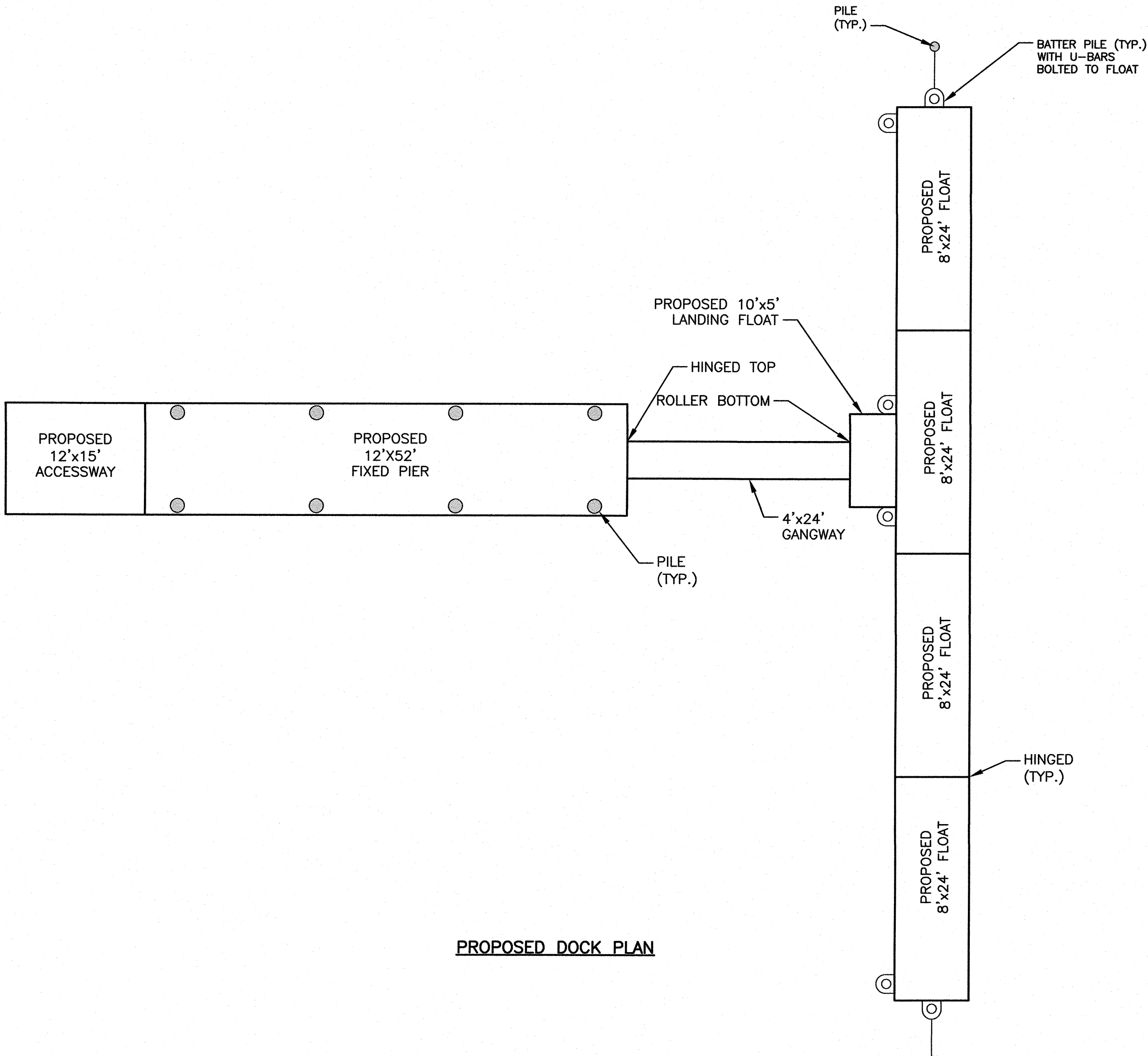
COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE FIXED, PILE-SUPPORTED PORTION OF THE STRUCTURE THAT IS SEAWARD OF HOTL. THIS IS INTENDED TO PREVENT STRUCTURES FROM BEING STORED ON THE MARSH SUBSTRATE AND THE SUBSTRATE SEAWARD OF MHW.

ENVIRONMENTAL FUNCTIONS AND VALUES

THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACE AND NHDES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROHIBIT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED AS NON-NATIVE INVASIVE SPECIES BY ANY FEDERAL OR STATE AGENCY. SEE THE SECTION ON INVASIVE SPECIES AT [HTTP://WWW.NAE.USACE.ARMY.MIL/REGULATORY/](http://WWW.NAE.USACE.ARMY.MIL/REGULATORY/) FOR CONTROL METHODS.

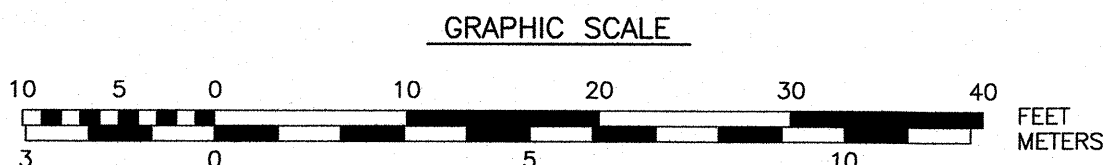
INSPECTIONS

THE PERMITTEE SHALL ALLOW THE CORPS AND NHDES TO MAKE PERIODIC INSPECTIONS AT ANY TIME DEEMED NECESSARY IN ORDER TO ENSURE THAT THE WORK IS BEING OR HAS BEEN PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE CORPS AND NHDES MAY ALSO REQUIRE POST-CONSTRUCTION ENGINEERING DRAWINGS FOR COMPLETED WORK, AND POST-DREDGING SURVEY DRAWINGS FOR ANY DREDGING WORK.



PROPOSED DOCK ELEVATION

PROPOSED PIER, GANGWAY & FLOAT w/ PILES



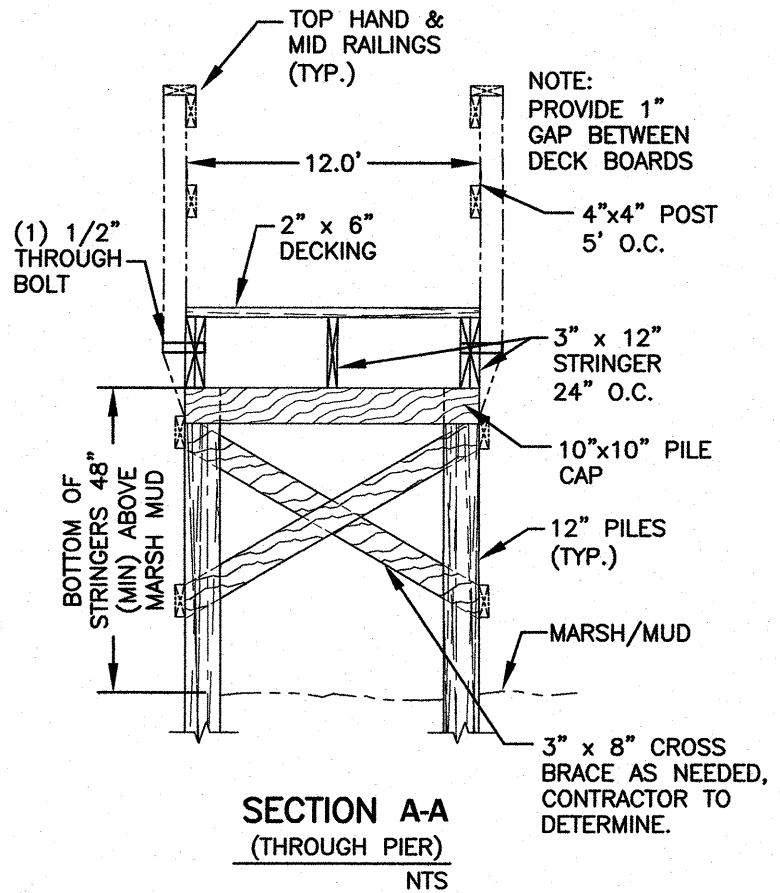
AMBIT ENGINEERING, INC.

Civil Engineers & Land Surveyors

200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

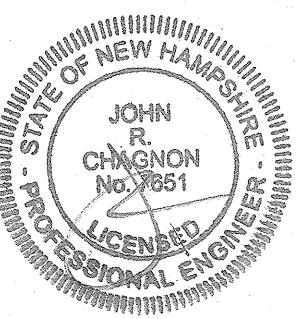
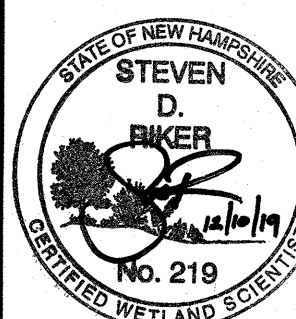
- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).
- 4) NUMBER OF PILES TO BE DRIVEN FOR DOCKING STRUCTURE NOT TO EXCEED 16 PILES AS DEPICTED ON PROPOSED DOCK ELEVATION. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.



PROPOSED PIER DETAIL

HOGSWAVE, LLC
DOCK REPLACEMENT
913 SAGAMORE AVENUE
PORTSMOUTH, N.H.

0	ISSUED FOR COMMENT	12/9/19
NO.	DESCRIPTION	DATE
REVISIONS		



SCALE: 1' = 10'

DECEMBER 2019

DOCK
DETAILS

D1