

**DATE**

Mark Gorka  
Department of Housing  
505 Hudson Street  
Hartford, CT 06106

RE: Applicant 1284, 743 East Broadway, Milford, CT

Dear Mr. Gorka,

This letter is to provide a summary description of the Statutory Checklist for CDBG-DR Applicant – 1284, Kenneth Keane.

The following Statutory Checklist Items have backup documentation which is provided as attachments,

- Item 1 – CT State Historic Preservation Office (SHPO) Determination Statement
- Item 2 – National Flood Insurance Program FIRMette Map
- Item 3 – U.S. Fish and Wildlife Service, National Wetlands Inventory Mapping
- Item 4 – Connecticut Coastal Boundary Mapping
- Item 5 – Connecticut Aquifer Protection Area Mapping
- Item 6A – Natural Diversity Database Mapping
- Item 6B – U.S. Fish and Wildlife, Information Planning and Conservation List
- Item 11 – Connecticut Department of Economic and Community Development list of Distressed Municipalities
- Item 12-A – National Flood Insurance Program FIRMette Map
- Item 12-B – Coastal Barrier Resource System Map
- Item 13-C – Hazardous Material Inspection Report,
- Item 13-D – Hazardous Material Inspection Report,
- Item 13-E – Hazardous Material Inspection Report
- Item 13-F – Hazardous Material Inspection Report, Microbial Abatement Plan
- Item 14-A – National Flood Insurance Program FIRMette Map, Flood Management Certification
- Item 14-C – Tidal Wetlands Map
- Item 14-E – Buffer Map

Checklist list items requiring permitting and/or regulatory review include

- Item 13-F – Microbial Abatement Plan

- Item14-A – Flood Management Certification
- Item 14-E – Review by City of Milford Municipal board will be necessary to obtain a Building Permit

Please contact me at 860-436-4364 with questions or comments.

Yours Sincerely,



Richard Couch, PE

*Member*

**Martinez Couch & Associates, LLC**

Figure E-10 Statutory Checklist

**STATUTORY CHECKLIST [§58.35(a) activities]  
for Categorical Exclusions and Environmental Assessments**

Note: Review of the items on this checklist is required for both Categorical Exclusions under Sec. 58.35(a) and projects requiring an Environmental Assessment under Sec. 58.36. If no compliance with any of the items is required, a Categorical Exclusion [58.35(a)] may become “exempt” under the provisions of Sec. 58.34 (a) (12). In such cases attach the completed Statutory Checklist to a written determination of the exemption. Projects requiring an Environmental Assessment under Sec. 58.36 cannot be determined to be exempt even if no compliance with Statutory Checklist items is found. Three items listed at Sec. 58.6 are applicable to all projects, including those determined to be exempt.

**Project Name and Identification No. CDBG-DR Applicant 1284, Kenneth Keane**

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
<b>Document Laws and authorities listed at 24 CFR Sec. 58.5</b>							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See attachment 1 for determination statement from CT State Historic Preservation Office. Project activities will have no adverse effects on the state of Connecticut's historic resources.
2. Floodplain Management [58.5(b)] [Ex Or 11988] [24 CFR 55]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529JG, revised July 8, 2013 indicates the project site at 743 East Broadway, Milford, CT is located inside Zone VE with a base flood elevation of 13 feet defined for the 1% Annual Chance Flood. Refer to Attachment 2 included as documentation.
3. Wetland Protection [58.5 (b)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	United States Fish and Wildlife Services (USFWS), National Wetlands Inventory (NWI) mapping identifies the project site outside a wetland zone. See attachment 3 for map documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from USFWS NWI website at <a href="http://www.fws.gov/wetlands/Data/State-Downloads.html">http://www.fws.gov/wetlands/Data/State-Downloads.html</a>
4. Coastal Zone Management [58.5(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project site at 743 East Broadway, Milford, CT is located inside a Coastal Boundary Zone. See attachment 4 for map documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from CT Environmental Conditions Online (CT ECO) of the Coastal Boundary Zone from <a href="http://www.cteco.uconn.edu/">http://www.cteco.uconn.edu/</a>
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On site water and sewer facilities are not included in rehabilitation work for 743 East Broadway, Milford, CT. Connecticut DEEP Bureau of Water Protection and Land Reuse map titled 'Connecticut Aquifer Protection Areas' dated December 16, 2013 does not identify aquifer protection areas in

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
							the City of Milford Connecticut near the project site. See attachment 5 for documentation.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project is located inside mapped Natural Diversity Data Base (NDDB) areas from CT DEEP. See attachment 6A for Geographic Information System (G.I.S.) map of NDDB areas created using data accessed from Connecticut Environmental Conditions Online (CT ECO) at <a href="http://www.cteco.uconn.edu/">http://www.cteco.uconn.edu/</a> . U.S. Fish & Wildlife Service Information, Planning, and Conservation (IPaC) List, included as attachment 6B, identifies 3 Endangered Species and 16 Migratory Birds. No Critical Habitats, or Wildlife Refugees are identified in the project site.
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project site is not proximate to the Eight Mile River or the Farmington River West Branch listed in the National Wild and Scenic Rivers System.
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No quantifiable increase in air pollution is measurable for proposed rehabilitation activities.
9. Farmland Protection [58.5(h)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All activity will occur inside existing structure foot print and no change in land use is proposed.
Manmade Hazards 10 A. Thermal Explosive [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Per 24 CFR 51 Subpart C and HUD Guidebook 6600.G rehabilitation work that does not alter the number dwelling units or a change of land use is not subject to Acceptable Separation Distance (ASD) requirements for HUD assisted projects near hazardous operations handling petroleum products or chemicals of an explosive or flammable nature.
10 B. Noise [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Noise Abatement and Control requirements per 24 CFR 51.101(a)(3) are not applicable to HUD assisted projects which restore facilities substantially as they existed prior to a disaster.
10 C. Airport Clear Zones [58.5 (i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The residential structure at 743 East Broadway, Milford, CT is located outside the Runway Clear Zone of Tweed/New Haven Commercial Airport.
10 D. Toxic Sites [58.5 (j)(2)(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The project site at 743 East Broadway, Milford, CT is, <ul style="list-style-type: none"> <li>1. Not listed on EPA's NPL Lists (Proposed and Final) or the State of Connecticut's Superfund Priority List;</li> <li>2. Not listed in Comprehensive Environmental Response and Compensation Liability Information System (CERCLIS) database search as a Comprehensive Environmental Response and Compensation Liability Act (CERCLA) site;</li> <li>3. Not located within 3,000 feet of a landfill site as listed on CT DEEP's active landfill list;</li> <li>4. Not listed on CT DEEP's Underground Storage Tank list</li> </ul>

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
							5. Not listed on CT DEEP's list of potentially contaminated sites and is not known or suspected to be contaminated by toxic chemicals or radioactive materials
11. Environmental Justice [58.5(j)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The rehabilitation work at the project site, 743 East Broadway, Milford, CT, is compatible with the surrounding residential use and no adverse human health and environmental effects on minority or low income populations are expected. The City of Milford, Connecticut is not listed by the Connecticut Department of Economic and Community Development (CT DECD) as a distressed municipality as defined in C.G.S. Section 22a-20. See attachment 7 for the 2013 listing of distressed municipalities in CT from the CT DECD in which City of Milford, CT is not listed.
<b>Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns</b>							
12 A. Flood Insurance [58.6(a) & (b)]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529JG, revised July 8, 2013 indicates the project site at 743 East Broadway, Milford, CT is located inside Zone VE with a base flood elevation of 13 feet defined for the 1% Annual Chance Flood. Refer to Attachment 2 included as documentation. Property owner will be required to maintain flood insurance for a period of 5 years after acceptance of CDBG-DR OORR project funding.
12 B. Coastal Barriers [58.6(c)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project at 743 East Broadway, Milford, CT is not located within a Coastal Barrier Resource System unit. See attachment 8 for documentation. Mapping is Geographic Information System (G.I.S.) map created using data digitized from official John H. Chafee Coastal Barrier Resource System maps enacted by law and endorsed by the U.S. Fish and Wildlife Service. Digital data was accessed from CT Environmental Conditions Online (CT ECO) at <a href="http://www.cteco.uconn.edu/">http://www.cteco.uconn.edu/</a>
12 C. Airport Clear Zone Notification [58.6(d)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project does not involve the purchase or sale of a property as such 24 CFR 58.6(d) is not applicable.
13 A. Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rehabilitation activities to the residential structure at the project site, 743 East Broadway, Milford, CT, are not expected to affect the capacities of solid waste disposal services.
13 B. Fish and Wildlife [U.S.C. 661-666c]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water. Project is not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residential Structure at 743 East Broadway, Milford, CT was built prior to 1978. The results of a Lead Paint Survey are included in attachment 9, 'Hazardous Materials Inspection

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
							Report, 743 East Broadway, Milford, CT, dated 11 February 2015, prepared by Facility Support Services, LLC. Lead based paint hazards were not identified in the survey.
13 D. Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Asbestos Containing Materials (ACM's) were identified in sampled materials to be disturbed by project work. Results of sampled materials testing are included in attachment 9, 'Hazardous Materials Inspection Report, 743 East Broadway, Milford, CT, dated 11 February 2015, prepared by Facility Support Services, LLC.
13 E. Radon [50.3 (i) 1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Due to the proposed elevating of the residence, above the ground level, no radon testing was conducted.
13 F. Mold	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No specific regulation regarding the levels requiring mold mitigation or abatement are enacted by law in the State of Connecticut. Accelerated mold growth is indicated by testing results at the project site. The procedures and results of the microbial testing for mold spores conducted at the project site are included in attachment 9, 'Hazardous Materials Inspection Report, 743 East Broadway, Milford, CT, dated 11 February 2015, prepared by Facility Support Services, LLC. Included as attachment 10 is a 'Microbial Abatement Work Plan' which will be part of construction documents for the project.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	National Flood Insurance Program (NFIP), Flood Insurance Rate Map (FIRM) Number 09009C0529JG, revised July 8, 2013 indicates the project site at 743 East Broadway, Milford, CT is located inside Zone VE with a base flood elevation of 13 feet defined for the 1% Annual Chance Flood. Refer to Attachment 2 included as documentation. See attachment 11 for Professional Certification on Flood Management Certification for the General Permit for the CDBG-DR OORR/SSRR Program.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 to 22a-363f]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rehabilitation work at project site does not propose any adverse impacts to coastal resources nor propose any activity waterward of the coastal jurisdiction line.
14 C. Tidal Wetlands Act [CGS 22a-28 to 22a-35]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Connecticut Department of Energy and Environmental Protection Tidal Wetlands Mapping as defined in C.G.S. Section 22a-29 and Section 22a-93(7)(e) identifies the project as outside a Tidal Wetland Zone. See attachment 12 for documentation. Mapping is Geographic Information System (G.I.S.) map created using data accessed from CT Environmental Conditions Online (CT ECO) of Tidal Wetlands Mapping accessed from <a href="http://www.cteco.uconn.edu/">http://www.cteco.uconn.edu/</a>
14 D. Local inland wetlands/watercourses [CGS 22a-42]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Project rehabilitation work is not expected to impact wetlands/watercourses.

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
14 E. Various municipal zoning approvals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rehabilitation activities at the project site will need review by City of Milford Building Department for issuance of required building permit. Coastal site plan review required. Project site abuts coastal waters, project activities do not propose any activity that will substantially alter the natural character of coastal resources as defined in C.G.S. 22a-93(7). See attachment 13 for City of Milford Zoning Board of Appeals letter dated November 12, 2015 noting the boards approval of the variance.

**DETERMINATION:**

- This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; OR
- This project cannot convert to Exempt because one or more statutes/authorities requires consultation or litigation. Complete consultation/mitigation requirements, publish NOI/RRDF and obtain Authority to Use Grant Funds (HUD 7015.16) per §58.70 and 58.71 before drawing down funds; OR
- The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

Prepared by:



Richard Couch, P.E., Member  
Martinez Couch & Associates, LLC.

1/5/2016  
Date

Responsible Entity or designee Signature:

  
Herma Delaire, CDBG-DR Program Manager

1/5/2016  
Date



1084 Cromwell Avenue Suite, A-2  
Rocky Hill, CT 06067  
Tel: 860-436-4364  
Fax: 860-436-4626  
[www.martinezcouch.com](http://www.martinezcouch.com)

Attachment 1 – Checklist Item # 1 Documentation – CT SHPO Determination Statement



Department of Economic and  
Community Development

Connecticut  
still revolutionary

1284  
MG

April 10, 2015

received  
4-14-15

Hermia M. Delaire  
Program Manager  
CDBG - Sandy Disaster Recovery Program  
Department of Housing  
505 Hudson Street  
Hartford, CT 06106

Subject: Department of Housing Superstorm Sandy Reviews  
743 East Broadway  
Milford, CT

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted to our office on March 6, 2015 for the above-named pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966. It is the opinion of this office that the property located at 743 East Broadway is a non-contributing structure within a potential Historic District. The proposed work plan consists of elevating and rehabilitating this structure. Because these changes do not impact the character of the district, SHPO has determined that the undertaking will have no adverse effects to this potentially eligible historic property.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. For further information please contact Catherine Labadia, Environmental Reviewer, at (860) 256-2764 or [catherine.labadia@ct.gov](mailto:catherine.labadia@ct.gov).

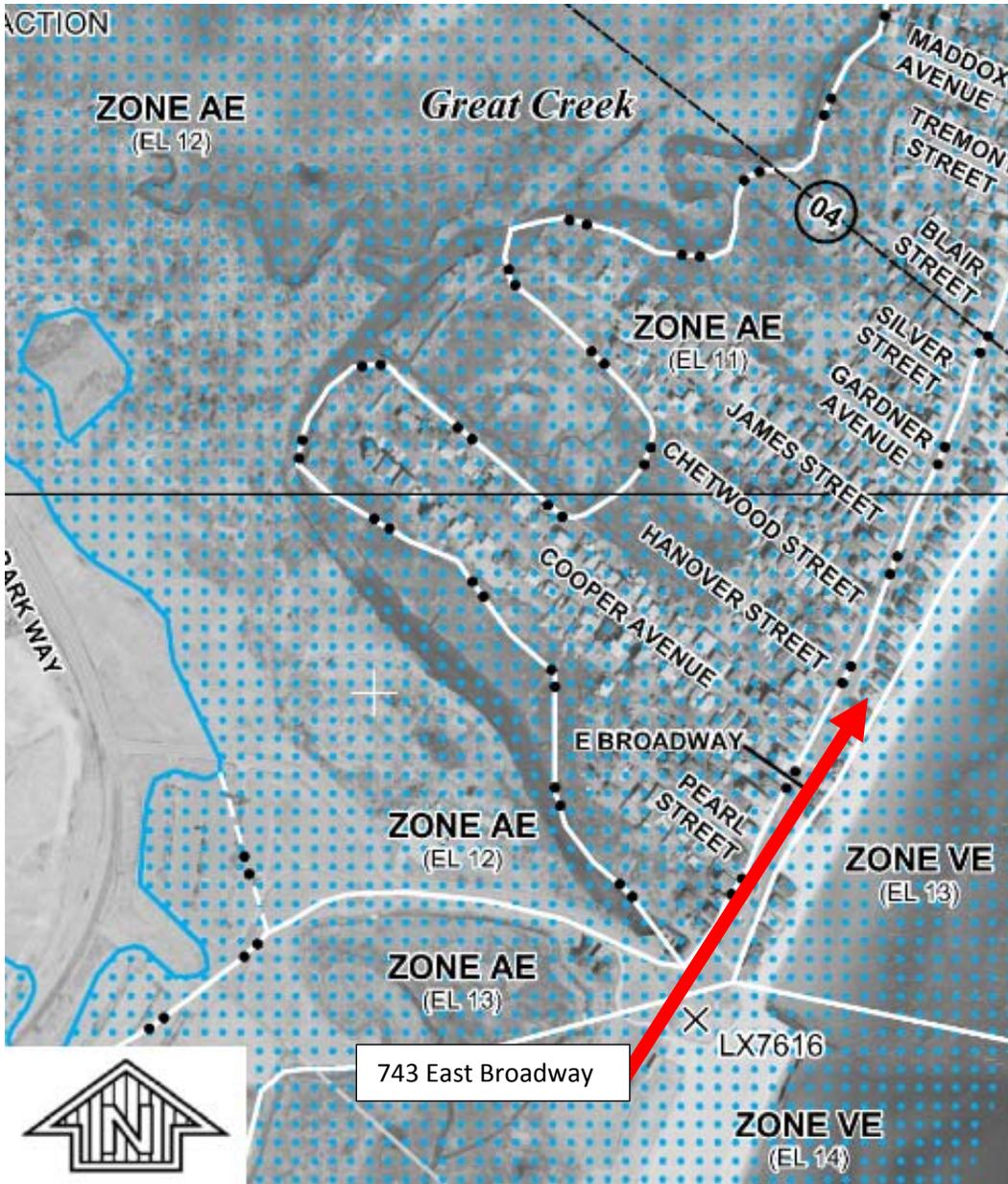
Sincerely,

Mary B. Dunne  
Deputy State Historic Preservation Officer



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Attachment 2 – Checklist Item #2, #12A and #14A Documentation – FEMA FIRM Flood Mapping



**NFIP**

PANEL 0529J

# FIRM

**FLOOD INSURANCE RATE MAP  
NEW HAVEN COUNTY,  
CONNECTICUT  
(ALL JURISDICTIONS)**

**PANEL 529 OF 635**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
MILFORD, CITY OF	090002	0529	J

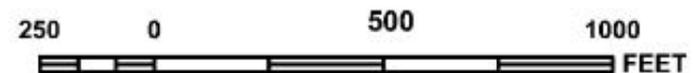
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER  
09009C0529J**

**MAP REVISED  
JULY 8, 2013**

Federal Emergency Management Agency





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Attachment 3 – Checklist Item 3 Documentation – Wetlands Protection

# Legend

 743 East Broadway

## NWI Wetlands

### Wetland Type

 Estuarine and Marine Deepwater

 Estuarine and Marine Wetland

 Freshwater Emergent Wetland

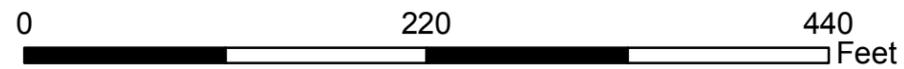
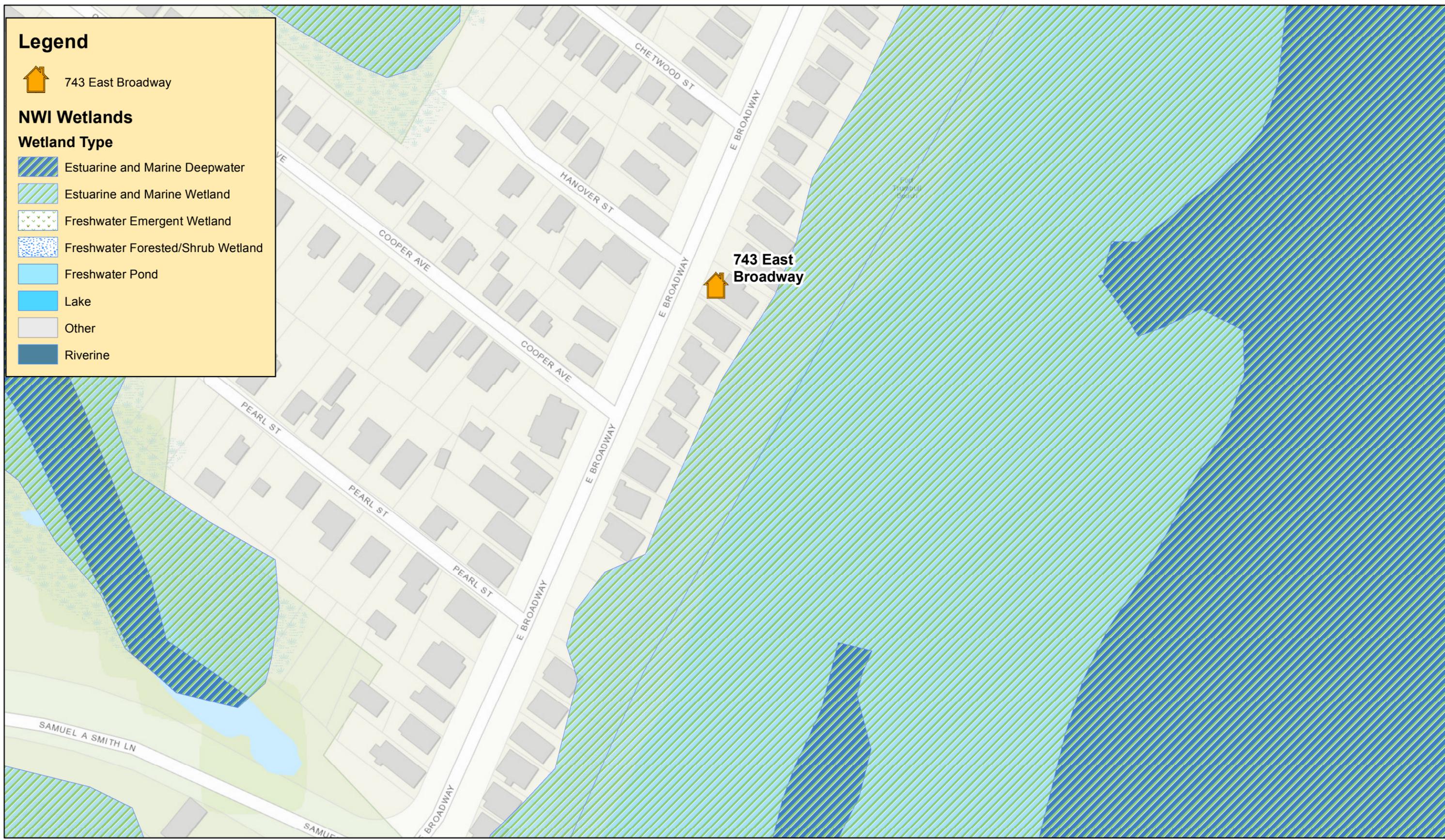
 Freshwater Forested/Shrub Wetland

 Freshwater Pond

 Lake

 Other

 Riverine





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Attachment 4 – Checklist Item 4 Documentation – Coastal Management Zone

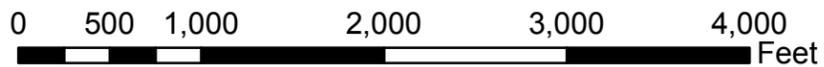
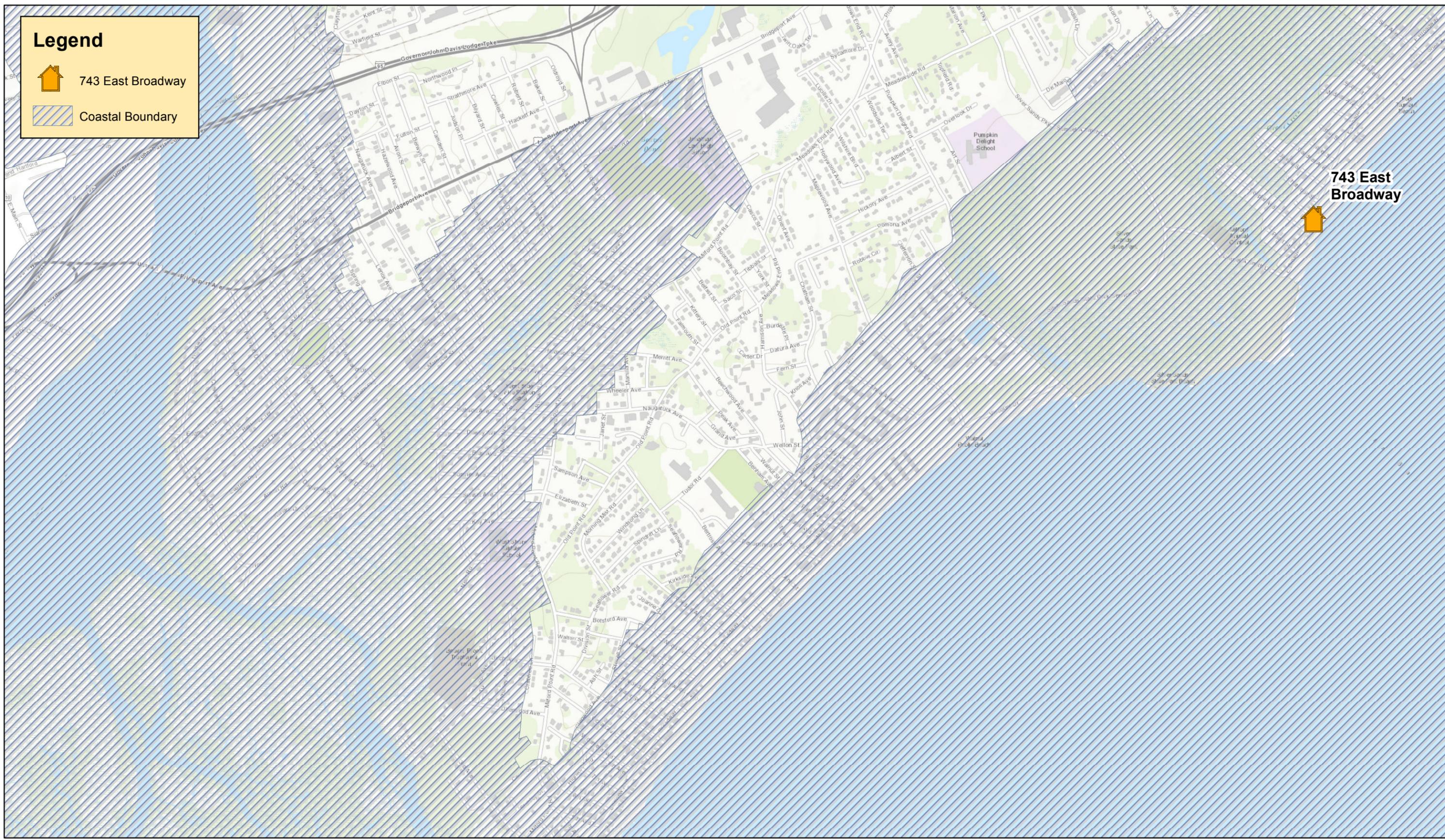
# Legend



743 East Broadway



Coastal Boundary





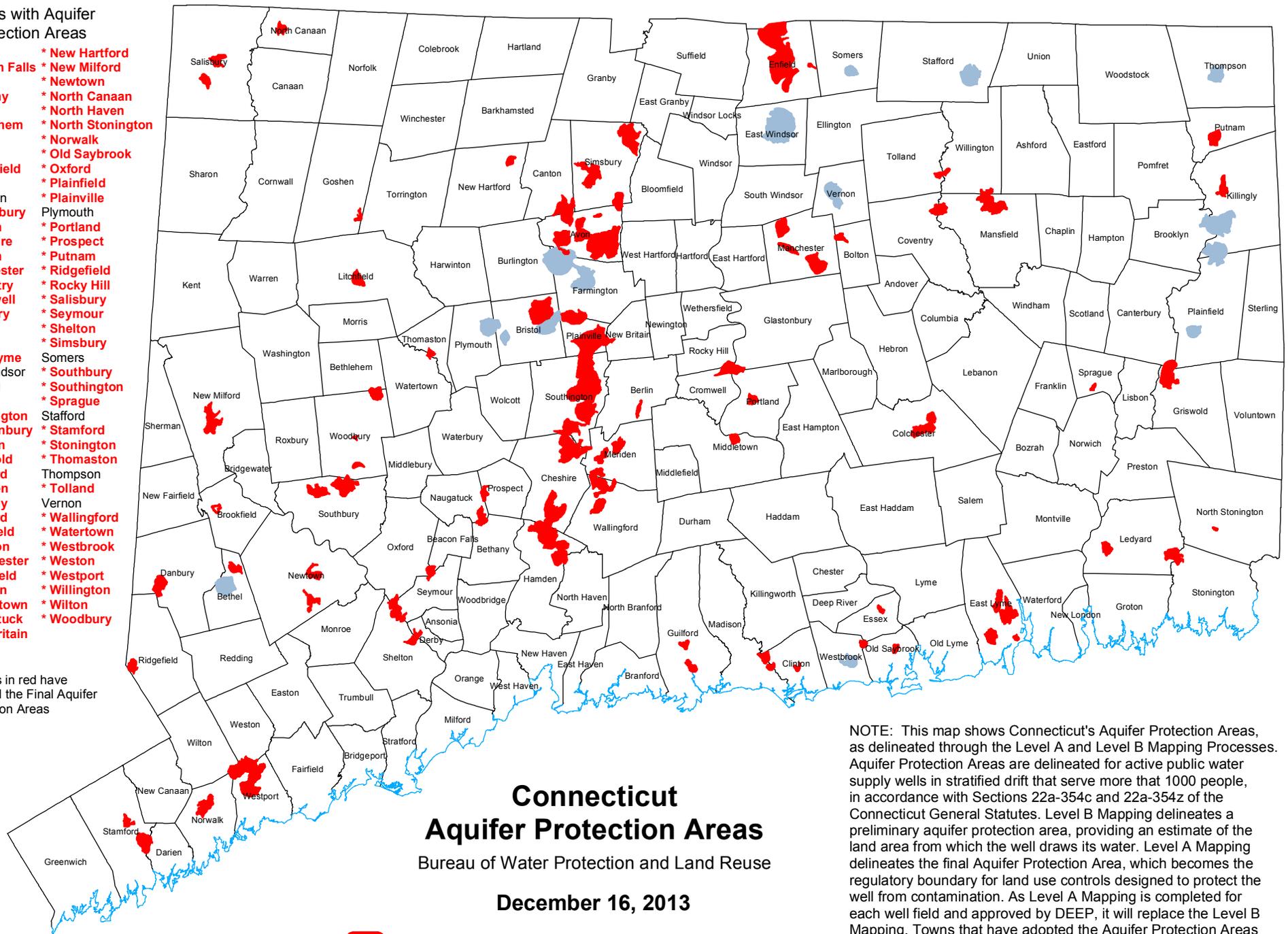
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Attachment 5 – Checklist Item 5 Documentation – Water Quality – Aquifers

**Towns with Aquifer Protection Areas**

- \* Avon
- \* Beacon Falls
- \* Berlin
- \* Bethany
- \* Bethel
- \* Bethlehem
- \* Bolton
- \* Bristol
- \* Brookfield
- Brooklyn
- Burlington
- \* Canterbury
- \* Canton
- \* Cheshire
- \* Clinton
- \* Colchester
- \* Coventry
- \* Cromwell
- \* Danbury
- \* Darien
- \* Derby
- \* East Lyme
- East Windsor
- \* Enfield
- \* Essex
- \* Farmington
- \* Glastonbury
- \* Goshen
- \* Griswold
- \* Guilford
- \* Hamden
- \* Killingly
- \* Ledyard
- \* Litchfield
- \* Madison
- \* Manchester
- \* Mansfield
- \* Meriden
- \* Middletown
- \* Naugatuck
- \* New Britain
- \* New Hartford
- \* New Milford
- \* Newtown
- \* North Canaan
- \* North Haven
- \* North Stoughton
- \* Norwalk
- \* Old Saybrook
- \* Oxford
- \* Plainfield
- \* Plainville
- Plymouth
- \* Portland
- \* Prospect
- \* Putnam
- \* Ridgefield
- \* Rocky Hill
- \* Salisbury
- \* Seymour
- \* Shelton
- \* Simsbury
- Somers
- \* Southbury
- \* Southington
- \* Sprague
- Stafford
- \* Stamford
- \* Stoughton
- \* Thomaston
- Thompson
- \* Tolland
- Vernon
- \* Wallingford
- \* Watertown
- \* Westbrook
- \* Weston
- \* Westport
- \* Willington
- \* Wilton
- \* Woodbury

\* Towns in red have adopted the Final Aquifer Protection Areas



NOTE: This map shows Connecticut's Aquifer Protection Areas, as delineated through the Level A and Level B Mapping Processes. Aquifer Protection Areas are delineated for active public water supply wells in stratified drift that serve more than 1000 people, in accordance with Sections 22a-354c and 22a-354z of the Connecticut General Statutes. Level B Mapping delineates a preliminary aquifer protection area, providing an estimate of the land area from which the well draws its water. Level A Mapping delineates the final Aquifer Protection Area, which becomes the regulatory boundary for land use controls designed to protect the well from contamination. As Level A Mapping is completed for each well field and approved by DEEP, it will replace the Level B Mapping. Towns that have adopted the Aquifer Protection Areas at the local level and for which land use regulations are now in place are designated by the solid red above and in red in the list of Towns with Aquifer Protection Areas.

[www.ct.gov/deep/aquiferprotection](http://www.ct.gov/deep/aquiferprotection)



Connecticut Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106

- Level A Aquifer Protection Area (Final Adopted)
- Level A Aquifer Protection Area (Final)
- Level B Aquifer Protection Area (Preliminary)



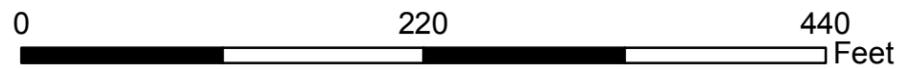
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Attachment 6A – Checklist Item 6 Documentation – Natural Diversity Data Base and Endangered Species



**Legend**

-  743 East Broadway
-  Natural Diversity Area





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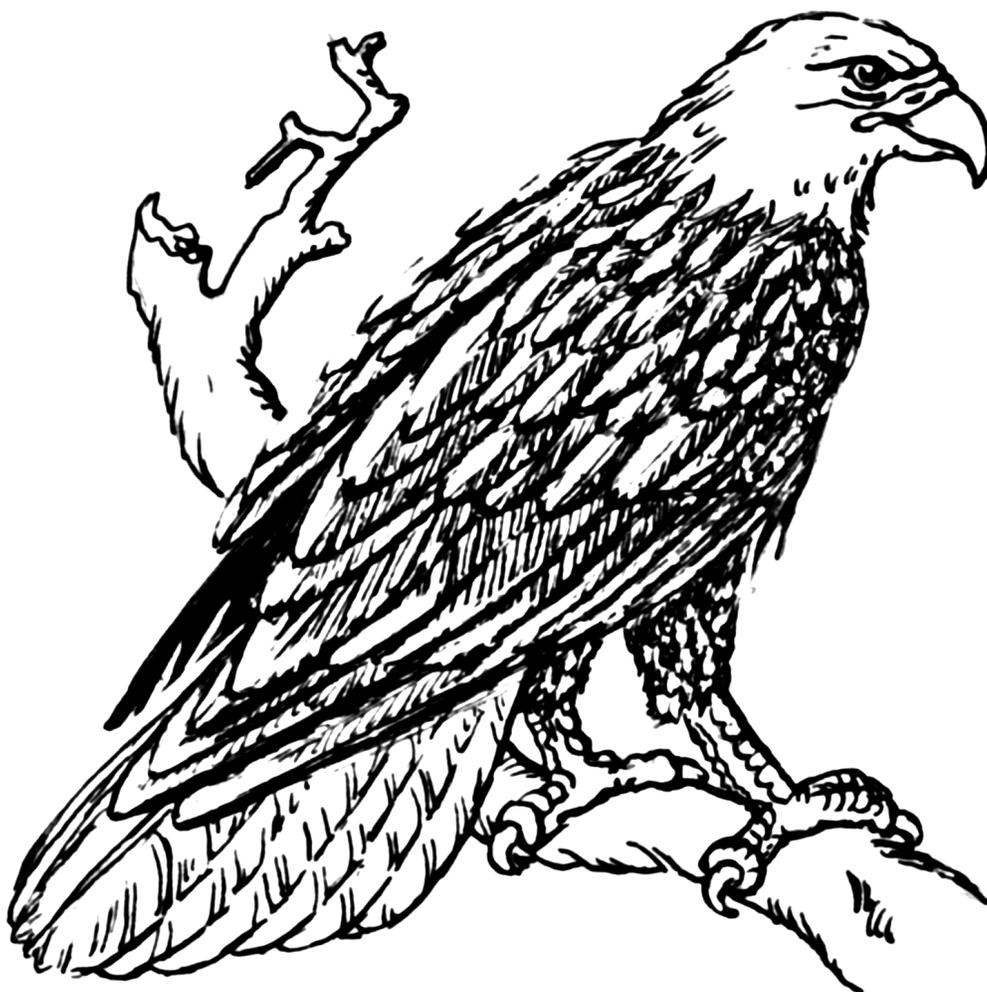
Attachment 6B – Checklist Item 6 Documentation – USFWS IPaC List

1284

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*IPaC Trust Resource Report*

Generated June 25, 2015 08:02 AM MDT



US Fish &amp; Wildlife Service

# IPaC Trust Resource Report



## Project Description

NAME

1284

PROJECT CODE

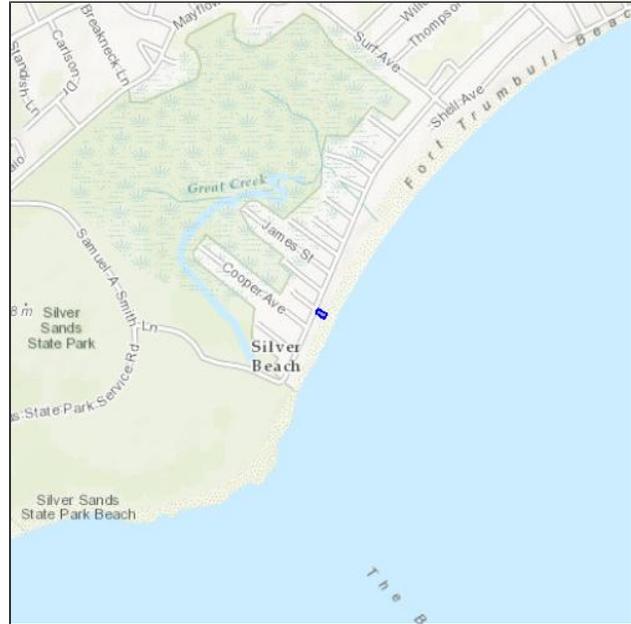
CG2QP-WVA7V-EIZBO-MHMYZ-64YCGU

LOCATION

New Haven County, Connecticut

DESCRIPTION

No description provided



## U.S. Fish & Wildlife Contact Information

Species in this report are managed by:

### **New England Ecological Services Field Office**

70 Commercial Street, Suite 300

Concord, NH 3301-5094

(603) 223-2541

## Endangered Species

Proposed, candidate, threatened, and endangered species that are managed by the [Endangered Species Program](#) and should be considered as part of an effect analysis for this project.

This unofficial species list is for informational purposes only and does not fulfill the requirements under [Section 7](#) of the Endangered Species Act, which states that Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action." This requirement applies to projects which are conducted, permitted or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can be obtained by returning to this project on the IPaC website and requesting an Official Species List from the regulatory documents section.

### Birds

#### **Red Knot** *Calidris canutus rufa*

**Threatened**

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

<https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0DM>

#### **Roseate Tern** *Sterna dougallii dougallii*

**Endangered**

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

<https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B07O>

### Mammals

#### **Northern Long-eared Bat** *Myotis septentrionalis*

**Threatened**

CRITICAL HABITAT

**No critical habitat** has been designated for this species.

<https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=A0JE>

### Critical Habitats

Potential effects to critical habitat(s) within the project area must be analyzed along with the endangered species themselves.

There is no critical habitat within this project area

# Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service (1). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

You are responsible for complying with the appropriate regulations for the protection of birds as part of this project. This involves analyzing potential impacts and implementing appropriate conservation measures for all project activities.

<p><b>American Oystercatcher</b> <i>Haematopus palliatus</i> Year-round <a href="https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0G8">https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0G8</a></p>	<b>Bird of conservation concern</b>
<p><b>Bald Eagle</b> <i>Haliaeetus leucocephalus</i> Year-round <a href="https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B008">https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B008</a></p>	<b>Bird of conservation concern</b>
<p><b>Black Rail</b> <i>Laterallus jamaicensis</i> Season: Breeding <a href="https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B09A">https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B09A</a></p>	<b>Bird of conservation concern</b>
<p><b>Black-billed Cuckoo</b> <i>Coccyzus erythrophthalmus</i> Season: Breeding <a href="https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0HI">https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0HI</a></p>	<b>Bird of conservation concern</b>
<p><b>Canada Warbler</b> <i>Wilsonia canadensis</i> Season: Breeding</p>	<b>Bird of conservation concern</b>
<p><b>Fox Sparrow</b> <i>Passerella iliaca</i> Season: Wintering</p>	<b>Bird of conservation concern</b>
<p><b>Gull-billed Tern</b> <i>Gelochelidon nilotica</i> Season: Breeding</p>	<b>Bird of conservation concern</b>
<p><b>Horned Grebe</b> <i>Podiceps auritus</i> Season: Wintering</p>	<b>Bird of conservation concern</b>
<p><b>Hudsonian Godwit</b> <i>Limosa haemastica</i> Season: Migrating</p>	<b>Bird of conservation concern</b>
<p><b>Least Tern</b> <i>Sterna antillarum</i> Season: Breeding</p>	<b>Bird of conservation concern</b>
<p><b>Purple Sandpiper</b> <i>Calidris maritima</i> Season: Wintering</p>	<b>Bird of conservation concern</b>
<p><b>Saltmarsh Sparrow</b> <i>Ammodramus caudacutus</i> Season: Breeding</p>	<b>Bird of conservation concern</b>
<p><b>Seaside Sparrow</b> <i>Ammodramus maritimus</i> Year-round</p>	<b>Bird of conservation concern</b>
<p><b>Short-eared Owl</b> <i>Asio flammeus</i> Season: Wintering <a href="https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0HD">https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=B0HD</a></p>	<b>Bird of conservation concern</b>

**Snowy Egret** *Egretta thula*

Season: Breeding

**Bird of conservation concern**

**Upland Sandpiper** *Bartramia longicauda*

Season: Breeding

**Bird of conservation concern**

<https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?scode=B0HC>

## Refuges

Any activity proposed on [National Wildlife Refuge](#) lands must undergo a 'Compatibility Determination' conducted by the Refuge. If your project overlaps or otherwise impacts a Refuge, please contact that Refuge to discuss the authorization process.

There are no refuges within this project area

# Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

Project proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate [U.S. Army Corps of Engineers District](#).

## DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

## DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

## DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Wetland data is unavailable at this time.



1084 Cromwell Avenue Suite, A-2  
Rocky Hill, CT 06067  
Tel: 860-436-4364  
Fax: 860-436-4626  
[www.martinezcouch.com](http://www.martinezcouch.com)

Attachment 7 – Checklist Item 11 Documentation – Environmental Justice

**2013 Distressed Municipalities**

Ranked by Score

	Total Scores	
Waterbury	1455	1
Hartford	1449	2
New Britain	1446	3
Bridgeport	1380	4
Naugatuck	1349	5
New London	1349	6
Ansonia	1326	7
Windham	1311	8
Plainfield	1296	9
Derby	1284	10
Torrington	1275	11
Killingly	1268	12
Bristol	1261	13
North Canaan	1261	14
Sprague	1256	15
New Haven	1253	16
East Hartford	1246	17
Meriden	1236	18
Enfield	1227	19
Winchester	1210	20
West Haven	1200	21
Groton	1176	22
Putnam	1151	23
Montville	1136	24
Plymouth	1128	25

**2013 Distressed Municipalities**

In town alphabetical order

	Total Scores
Ansonia	1326
Bridgeport	1380
Bristol	1261
Derby	1284
East Hartford	1246
Enfield	1227
Groton	1176
Hartford	1449
Killingly	1268
Meriden	1236
Montville	1136
Naugatuck	1349
New Britain	1446
New Haven	1253
New London	1349
North Canaan	1261
Plainfield	1296
Plymouth	1128
Putnam	1151
Sprague	1256
Torrington	1275
Waterbury	1455
West Haven	1200
Winchester	1210
Windham	1311



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Attachment 8 – Checklist Item 12B Documentation – Coastal Barrier Resource System

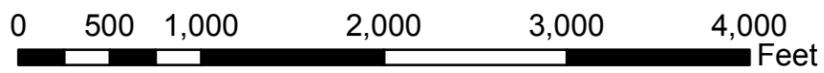
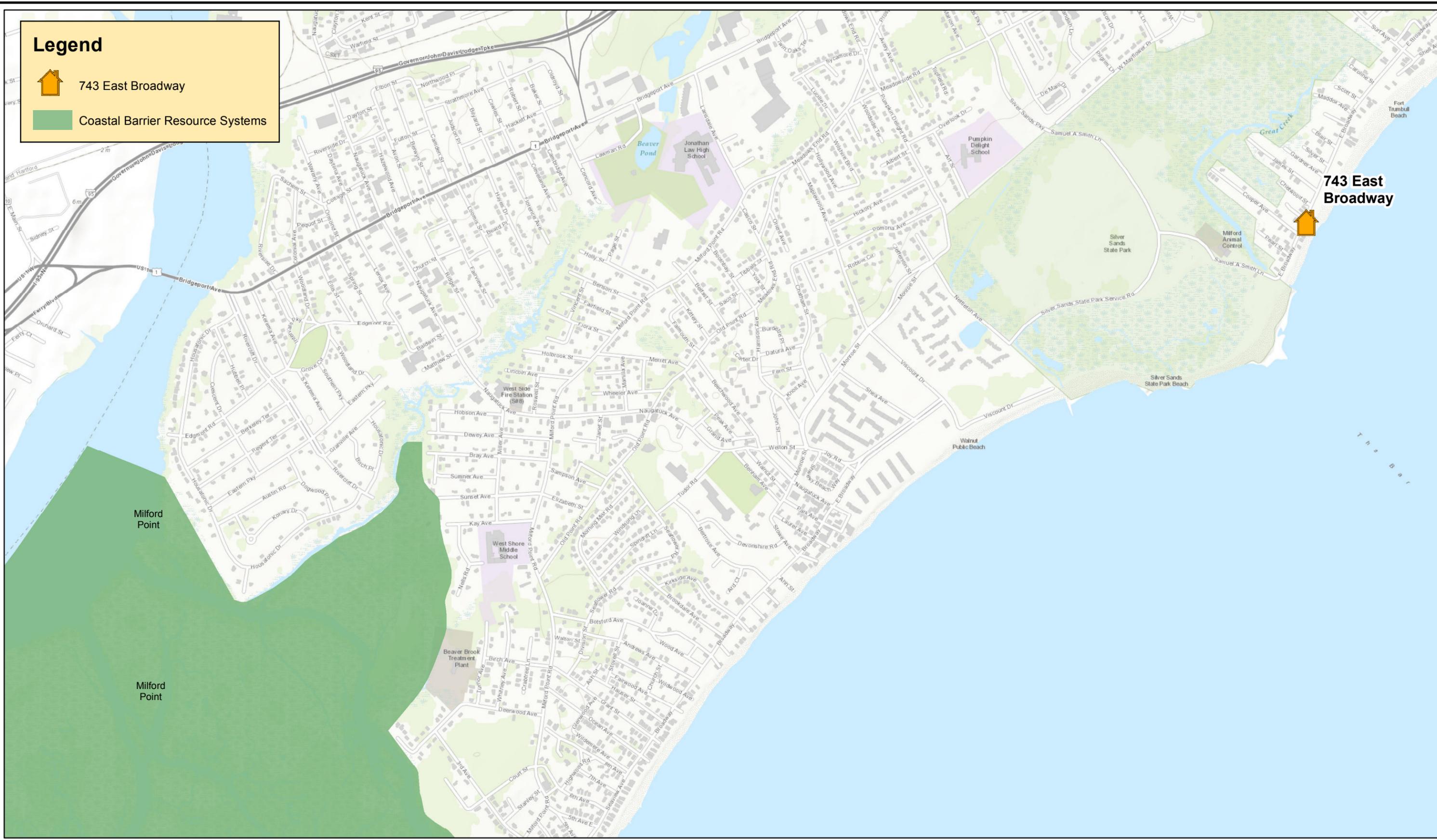
# Legend



743 East Broadway



Coastal Barrier Resource Systems





1084 Cromwell Avenue Suite, A-2  
Rocky Hill, CT 06067  
Tel: 860-436-4364  
Fax: 860-436-4626  
[www.martinezcouch.com](http://www.martinezcouch.com)

Attachment 9 – Checklist Item 13C, 13D, 13E, 13F Documentation – Hazardous Material Inspection  
Report



# **Facility Support Services, LLC**

**Environmental & Safety Consulting Engineers**

**Connecticut Department of Housing  
Community Development Block Grant – Disaster Recovery  
Owner Occupied Recovery and Rehabilitation Program**

**Hazardous Materials  
Inspection Report**

**Applicant No. 1284**

**743 East Broadway  
Milford, Connecticut**

PREPARED FOR:

Martinez Couch & Associates, LLC  
1084 Cromwell Ave. Suite A-2  
Rocky Hill, CT 06067

PREPARED BY:

Facility Support Services, LLC  
2685 State Street  
Hamden, CT 06517  
Phone (203) 288-1281

February 11, 2015

## **SIGNATURES OF REPORT AUTHORS**

The employees of Facility Support Services, LLC whose names appear below prepared this report. Requests for information on the content of this document should be directed to these individuals.

A handwritten signature in blue ink that reads "Kevin Bogue".

---

Kevin S. Bogue, LEP, CHMM  
Project Manager  
CTDPH Asbestos Inspector #000157

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## APPENDICES

Appendix A	Mold Analytical Data
Appendix B	FSS Licensure
Appendix C	Asbestos Laboratory Analytical Data
Appendix D	Lead XRF Report

## **I. Introduction**

Facility Support Services, LLC (FSS) was contracted by Martinez, Couch & Associates, LLC (MCA) to perform a limited scope hazardous materials survey of 743 East Broadway in Milford, Connecticut (the “Site”). The purpose of this inspection was to identify the presence of asbestos, PCBs, lead paint and mold in certain building materials proposed for removal/demolition that qualify for the repair/replacement of items damaged by the October 2012 Tropical Storm Sandy under the Connecticut Department of Housing (DOH), Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program. FSS did not perform radon testing due to the proposed raising of the residence above grade to accommodate flood levels.

FSS utilized best industry practices to identify all suspect materials associated with the structures. Any material that has not been identified during this inspection or discovered during renovation/demolition activities must be presumed to be hazardous until such time that samples of the material can be collected and analyzed.

## **II. Mold**

FSS conducted sampling for mold on January 15, 2015. Testing for total spores in air was conducted for the following areas of 39 Morehouse Avenue in Milford, Connecticut to identify concerns with indoor air quality related to mold and fungi:

- Outside
- Crawl Space

In addition, a blank sample was collected and analyzed for quality assurance reasons. The outside ambient air sample provided a background reference sample (collected from a location in the front yard). Mr. Kevin Bogue of FSS conducted the spore sampling utilizing an air sampling pump and sample media. Air was collected at a rate of 15.0 liters of air per minute. The samples were collected on Air-O-Cell type sampling cartridges located in line with the sampling pump, which ran for 10 minutes at each sampling location.

The spore samples were analyzed by EMSL Analytical of Wallingford, Connecticut for the identification and enumeration of spores (EMSL Method M001). EMSL is a State of Connecticut, Department of Public Health certified laboratory (Accreditation Number 165118). Analytical reports for mold are included in Appendix A.

The analysis for total spore counts is a direct microscopic examination and does not include culturing or growing fungi. Therefore, the results include both viable and non-viable spores. Spore trap results are reported in spores per cubic meter of air.

**Table 1**  
**Summary of Laboratory Analysis of Spore Types**  
**743 East Broadway, Milford, Connecticut**

<b>Sample Number &amp; Location</b>	<b>Raw Count</b>	<b>Total Fungi (Count/m<sup>3</sup>)</b>	<b>Spore Types Present</b>
20150115_222141284_MS1 Outside	5	100	Aspergillus/Penicillium, Cladosporium
20150115_222141284_MS2 Crawl Space	Present*	Present*	Aspergillus/Penicillium, Basidiospores, Chaetomium, Cladosporium, Myxomycetes, Stachybotrys, Ulocladium
20150115_222141284_MS3 Blank	0	No Trace	None

Present\* = Indicates the presence of listed spore types; however, quantification was not possible due to overloading of sample.

The suite of mold spores in the outside sample versus the interior samples were mainly similar, although the interior sample contained several species not found outside; the species of primary concern being Stachybotrys. The primary mold species was Aspergillus/Penicillium for the outside sample, which was common to both locations.

The sample collected in the crawl space was reported by the laboratory to be overload and a count for each spore type could not be achieved. Overloading can be due to excessive amounts of airborne dust and/or debris.

*Aspergillus/Penicillium* - Can be associated with hay fever and asthma, and can grow on a wide range of substrates indoors, and are prevalent in water-damaged buildings and where foods are stored.

*Cladosporium* - *Cladosporium's* natural habitat is dead plant matter, soil and woody plants. In indoor environments, this spore type is found on fiberglass duct liners, paints, and textiles, especially in water damaged buildings. This spore type is associated with hay fever and asthma.

*Stchybotrys* - This mold thrives on water damaged cellulose rich materials in buildings such as sheet-rock paper, ceiling tiles, cellulose containing insulation backing and wall paper. Almost without exception, an extended saturation time and/or consistently high levels of humidity are required for this mold to proliferate. This organism is rarely found in outdoor samples and can be allergenic to humans.

In Connecticut, there are currently no regulatory standards directly governing mold/fungal spore concentrations. Although no standards for mold exist, some information regarding levels have been published, including the following:

Baxter, et al considers mold contamination present in a building when the total mold spore concentration per cubic meter is above 10,000. However in special cases, even low quantitative levels of certain particles or particle types (such as *Penicillium/Aspergillus* spore chains in an un-treated building) may be diagnostic and may indicate a hidden mold reservoir that merits further investigation.

FSS's investigation found total spore concentrations inside the 743 East Broadway residence of up to 100/m<sup>3</sup>, which is significantly below the 10,000/m<sup>3</sup> level noted above. Spore concentrations in the unfinished crawl space were identified but unable to be quantified.

The American Conference of Government Industrial Hygienists (ACGIH) stated that indoor mold levels are generally less than 1/3 the outdoor level and that when indoor mold is at more than this level remedial action should be taken to find the source of the

elevated counts and to clean it up. However, this is a general rule and may be inaccurate and unreliable method for screening buildings for mold.

FSS's mold spore count analysis suggests that accelerated mold growth in the crawl space of the residence

### **III. Asbestos**

FSS conducted a limited scope asbestos inspection and bulk sampling on January 15, 2015 of suspect building materials that are proposed for renovations. The inspection was conducted by Kevin Bogue, a State of Connecticut licensed Asbestos Inspector. Mr. Bogue's Connecticut Asbestos Inspectors/Management Planner license is provided in Appendix B.

The following suspect materials were indentified during the inspection:

- Yellow foam insulation (penetrations)
- White foam insulation (ceiling)
- Pink Insulating Boards
- Concrete forms on interior basement foundation walls
- Peach siding and grey underlayment
- Grey column base
- Grey Column

This asbestos inspection was performed in accordance with the EPA, NESHAP regulations for building renovations and demolition, 40 CFR Part 61, Amended 11/20/1990. The bulk asbestos samples collected during this inspection were delivered under full chain of custody and analyzed by EMSL Analytical, Inc., via EPA/600/R-93/116. This is currently the approved EPA test method, which uses Polarized Light Microscopy (PLM). EMSL Analytical, Inc. is an accredited asbestos laboratory (NVLAP # 200700-0) and is a State of Connecticut approved public health laboratory for asbestos analysis. Copies of the laboratory analytical results can be found in Appendix C of this report.

**Laboratory results have revealed that the asbestos content of the tested materials were not detected and are below the 1% required to confirm a material as asbestos containing.**

## **IV. PCBs**

Following an inspection of building materials proposed for renovations, no suspected PCB-containing materials were identified.

## **V. Lead**

The subject residential structure was built prior to 1978 (circa 1920) and therefore the likelihood that lead painted surfaces are present is increased. As a residential structure built prior to 1978 the removal of lead painted materials where a child under 6 is housed, or may visit, would trigger the EPA Renovation, Repair and Painting (RRP) rule. Furthermore, adherence to the requirements of The Lead-Safe Housing Rule (US Department of Housing and Urban development, HUD) are stipulated by the Connecticut Department of Housing (DOH) as part of the Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program.

A building wide XRF inspection was conducted by Maureen Monaco of Gilberto Lead Inspections, LLC (Gilbertco) utilizing a RMD LPA-1 X-Ray Fluoroscope Spectrum Analyzer. Appendix D contains the Lead Inspection Report. The findings of the investigation determined that none of the tested surfaces were positive for lead based paint ( $>1.0 \text{ mg/cm}^2$ ):

### Non-Intact Materials

No lead based paint coated materials have been identified in the residence.

### Demolition Materials

When toxic wastes are land disposed, contaminated liquid may leach from the waste and pollute ground water. Toxicity is defined through a laboratory procedure called the Toxicity Characteristic Leaching Procedure (TCLP) (Method 1311). The TCLP helps identify wastes likely to leach concentrations of contaminants that may be harmful to human health or the environment. There are no areas that tested positive for lead (regardless of intactness) that are proposed for demolition.

## **VI. Conclusions & Recommendations**

When the structure is renovated, all removed debris should be sent to an appropriate landfill for final disposal following all appropriate regulations. Any work involving lead-containing paints should be conducted under the EPA's RRP Renovation, Repair and Painting Rule. Any material discovered during renovation activities which have not been included in this survey must be presumed to contain asbestos, lead and PCBs until such time that the material can be evaluated and sampled.

**Asbestos** – No asbestos containing materials were identified in materials proposed for renovation or demolition, therefore, no further investigation or special handling/disposal for asbestos is required for this project.

**PCBs** - No suspected PCB-containing materials were identified in proposed renovation materials. No further investigations or special disposal requirements (for PCBs) are required for this project.

**Mold** - Mold spore count analysis indicates a potential accelerated mold growth in the crawl space of the residence (when comparing indoor mold species types to exterior species). A mold abatement plan for basement materials and any visibly identifiable mold areas should be developed.

**Lead** - There are no areas that tested positive for lead (regardless of intactness) that are proposed for renovation/demolition. No further consideration for lead containing demolition debris is required for this project.

## **APPENDICES**

**APPENDIX A**  
**MOLD ANALYTICAL DATA**



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
 Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241500235  
 Customer ID: FSS93  
 Customer PO:  
 Project ID:

**Attn:** Kevin Bogue  
 Facility Support Services, LLC  
 2685 State Street  
 Hamden, CT 06517

Phone: (203) 288-1281  
 Fax: (203) 248-4409  
 Collected: 01/15/2015  
 Received: 01/19/2015  
 Analyzed: 01/23/2015

**Proj:** 22214-1284

**Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)**

Lab Sample Number:	241500235-0001			241500235-0002			241500235-0003		
Client Sample ID:	20150115_222141284_MS1			20150115_222141284_MS2			20150115_222141284_MS3		
Volume (L):	150			150			0		
Sample Location:	Exterior			Crawl space			Blank		
Spore Types	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	4	80	80	Present	Present	-	-	-	-
Basidiospores	-	-	-	Present	Present	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	Present	Present	-	-	-	-
Cladosporium	1	20	20	Present	Present	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	Present	Present	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	Present	Present	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	Present	Present	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>5</b>	<b>100</b>	<b>100</b>	-	-	-	-	<b>No Trace</b>	-
Hyphal Fragment	-	-	-	Present	Present	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	0	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	0*	-
Skin Fragments (1-4)	-	-	-	-	2	-	-	-	-
Fibrous Particulate (1-4)	-	-	-	-	4	-	-	-	-
Background (1-5)	-	1	-	-	5	-	-	-	-

**Sample Comments:** 241500235-0002 Overloaded

Bipolaris++ = Bipolaris/Drechslera/Exserohilum  
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Gloria V. Oriol, Laboratory Manager  
 or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Lab 165118

Initial report from: 01/23/2015 15:30:44

For Information on the fungi listed in this report please visit the Resources section at [www.emsl.com](http://www.emsl.com)



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

# Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

241500235

Wallingford, CT 06492  
PHONE: (203) 284-5948  
FAX: (203) 284-5978

Company: Facility Support Services, LLC		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 2685 State Street		<i>Third Party Billing requires written authorization from third party</i>	
City: Hamden	State/Province: CT	Zip/Postal Code: 06517	Country: United States
Report To (Name): Kevin Bogue		Telephone #: 203-288-1281	
Email Address: kbogue.fss@snet.net		Fax #:	Purchase Order:
Project Name/Number: 2224-1284		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CT		Connecticut Samples: <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements

**Non Culturable Air Samples (Spore Traps) – Test Codes**

• M001 Air-O-Cell	• M173 Allegro M2	• M004 Allergenco	• M032 Allergenco-D	• M172 Versa Trap
• M049 BioSIS	• M003 Burkard	• M043 Cyclex	• M002 Cyclex-d	
• M030 Micro 5	• M174 MoldSnap	• M176 Relle Smart	• M130 Via-Cell	

**Other Microbiology Test Codes**

<ul style="list-style-type: none"> <li>• M041 Fungal Direct Examination</li> <li>• M005 Viable Fungi ID and Count</li> <li>• M006 Viable Fungi ID and Count (Speciation)</li> <li>• M007 Culturable Fungi</li> <li>• M008 Culturable Fungi (Speciation)</li> <li>• M009 Gram Stain Culturable Bacteria</li> <li>• M010 Bacterial Count and ID – 3 Most Prominent</li> <li>• M011 Bacterial Count and ID – 5 Most Prominent</li> <li>• M013 Sewage Contamination in Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• M014 Endotoxin Analysis</li> <li>• M015 Heterotrophic Plate Count</li> <li>• M180 Real Time Q-PCR-ERMI 36 Panel</li> <li>• M018 Total Coliform (Membrane Filtration)</li> <li>• M020 Fecal <i>Streptococcus</i> (Membrane Filtration)</li> <li>• M210-215 <i>Legionella</i> Detection</li> <li>• M026 Recreational Water Screen</li> <li>• M027 Mycotoxin Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• M029 <i>Enterococci</i></li> <li>• M019 Fecal Coliform</li> <li>• M133 MRSA Analysis</li> <li>• M028 <i>Cryptococcus neoformans</i> Detection</li> <li>• M120 <i>Histoplasma capsulatum</i> Detection</li> <li>• M033-39 Allergen Testing</li> <li>• M044 Group Allergen (Cat, Dog, Cockroach, Dustmites)</li> <li>• Other See Analytical Price Guide</li> </ul>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Preservation Method (Water):**

Name of Sampler:	Signature of Sampler:
------------------	-----------------------

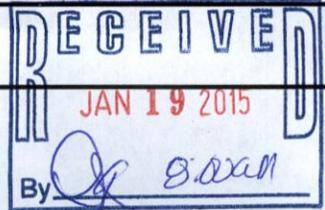
Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
Example: A1	Kitchen	Air	M001	75L	1/1/12 4:00 PM
20150115-22241284-MS1	exterior	AIR	m001	150L	1/15/2015 1:20-1:30
" -MS2	Crawl space	AIR	m001	150L	↓ 1:35-1:45
" -MS3	Blank	AIR	m001	150L	↓ +

Client Sample # (s): MS1 - MS3      Total # of Samples: 3

Relinquished (Client): Kevin Bogue      Date: 1/16/15      Time:

Received (Client):      Date:      Time:

Comments:



*Drop Box*

**APPENDIX B**  
**FSS LIENSURE**

**STATE OF CONNECTICUT**

**DEPARTMENT OF PUBLIC HEALTH**

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A

**ASBESTOS CONSULTANT-INSP/MGMT PLANNER**

KEVIN S. BOGUE

CERTIFICATE NO.

**000157**

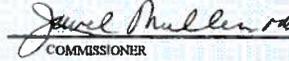
CURRENT THROUGH

**08/31/15**

VALIDATION NO.

**03-928515**

  
SIGNATURE

  
COMMISSIONER

**APPENDIX C**

**ASBESTOS LABORATORY ANALYTICAL DATA**



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4, Wallingford, CT 06492  
Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.EMSL.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241500236  
CustomerID: FSS93  
CustomerPO:  
ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**  
  
Project: 22214-1284

Phone: (203) 288-1281  
Fax: (203) 248-4409  
Received: 01/19/15 9:00 AM  
Analysis Date: 1/22/2015  
Collected:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20150115_2221412 84_S1A <i>241500236-0001</i>	Crawl space yellow foam	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S1B <i>241500236-0002</i>	Crawl space yellow foam	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S1C <i>241500236-0003</i>	Crawl space yellow foam	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S2A <i>241500236-0004</i>	Crawl space- white ceiling foam	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S2B <i>241500236-0005</i>	Crawl space- white ceiling foam	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S2C <i>241500236-0006</i>	Crawl space- white ceiling foam	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S3A <i>241500236-0007</i>	Crawl space- insulating boards (pink)	Pink Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)  

---

*Erin Guzowski (11)*  
*Lauren Brennan (12)*

---

Gloria V. Oriol, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from 01/22/2015 17:02:16



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4, Wallingford, CT 06492  
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<http://www.EMSL.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241500236  
CustomerID: FSS93  
CustomerPO:  
ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**  
  
Project: 22214-1284

Phone: (203) 288-1281  
Fax: (203) 248-4409  
Received: 01/19/15 9:00 AM  
Analysis Date: 1/22/2015  
Collected:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20150115_2221412 84_S3B 241500236-0008	Crawl space-insulating boards (pink)	Pink Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S3C 241500236-0009	Crawl space-insulating boards (pink)	Pink Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S4A 241500236-0010	Concrete form's (crawl space)	Gray Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (other)	None Detected
20150115_2221412 84_S4B 241500236-0011	Concrete form's (crawl space)	Gray Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (other)	None Detected
20150115_2221412 84_S4C 241500236-0012	Concrete form's (crawl space)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S5A-Peach Siding 241500236-0013	Peach siding and grey base	Gray/Peach Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20150115_2221412 84_S5A-Gray Base 241500236-0013A	Peach siding and grey base	Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)  
Erin Guzowski (11)  
Lauren Brennan (12)

  
Gloria V. Oriol, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0.

Initial report from 01/22/2015 17:02:16



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EMSL Order: 241500236  
CustomerID: FSS93  
CustomerPO:  
ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**  
  
Project: 22214-1284

Phone: (203) 288-1281  
Fax: (203) 248-4409  
Received: 01/19/15 9:00 AM  
Analysis Date: 1/22/2015  
Collected:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20150115_2221412 84_S5B-Peach Siding  241500236-0014	Peach siding and grey base	Gray/Peach Fibrous  Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20150115_2221412 84_S5B-Gray Base  241500236-0014A	Peach siding and grey base	Gray Fibrous  Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20150115_2221412 84_S5C-Peach Siding  241500236-0015	Peach siding and grey base	Peach Non-Fibrous  Homogeneous		100% Non-fibrous (other)	None Detected
20150115_2221412 84_S5C-Gray Base  241500236-0015A	Peach siding and grey base	Gray Fibrous  Homogeneous	10% Glass	90% Non-fibrous (other)	None Detected
20150115_2221412 84_S6A  241500236-0016	Column base	Gray Fibrous  Homogeneous	6% Glass <1% Cellulose	94% Non-fibrous (other)	None Detected
20150115_2221412 84_S6B  241500236-0017	Column base	Gray Fibrous  Homogeneous	12% Glass <1% Cellulose	88% Non-fibrous (other)	None Detected
20150115_2221412 84_S6C  241500236-0018	Column base	Gray Fibrous  Homogeneous	<1% Glass	20% Quartz 80% Non-fibrous (other)	None Detected

Analyst(s)  

---

*Erin Guzowski (11)*  
*Lauren Brennan (12)*

---

Gloria V. Oriol, Laboratory Manager  
or other approved signatory

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Initial report from 01/22/2015 17:02:16



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ProjectID:

Attn: **Kevin Bogue**  
**Facility Support Services, LLC**  
**2685 State Street**  
  
**Hamden, CT 06517**  
  
Project: 22214-1284

Phone: (203) 288-1281  
Fax: (203) 248-4409  
Received: 01/19/15 9:00 AM  
Analysis Date: 1/22/2015  
Collected:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20150115_2221412 84_S7A 241500236-0019	Grey column	Gray Fibrous  Homogeneous	6% Glass	94% Non-fibrous (other)	None Detected
20150115_2221412 84_S7B 241500236-0020	Grey column	Gray Fibrous  Homogeneous	4% Glass	96% Non-fibrous (other)	None Detected

Analyst(s)  

---

*Erin Guzowski (11)*  
*Lauren Brennan (12)*

---

Gloria V. Oriol, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0.

Initial report from 01/22/2015 17:02:16



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

241500236

Wallingford, CT 06492  
PHONE: (203) 284-5948  
FAX: (203) 284-5978

Company Name : Facility Support Services, LLC		EMSL Customer ID:	
Street: 2685 State Street		City: Hamden	State/Province: CT
Zip/Postal Code: 06517	Country: United States	Telephone #: 203-288-1281	Fax #:
Report To (Name): Kevin Bogue		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: kbogue.fss@snet.net		Purchase Order:	
Project Name/Number: 22214-1284		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: CT		CT Samples: <input type="checkbox"/> Commercial/Taxable <input checked="" type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments Third Party Billing requires written authorization from third party			
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		<b>Soil/Rock/Vermiculite*</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <small>*Can not accept New York State Loose Fill Vermiculite Samples</small> <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Kevin Bogue		Samplers Signature: <i>Kevin Bogue</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See attached		
Client Sample # (s): S1A - S7B		Total # of Samples: 20	
Relinquished (Client): <i>Kevin Bogue</i>		Date: 1/16/15	Time:
Received (Lab):		Date:	Time:
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

241500236

Wallingford, CT 06492  
PHONE: (203) 284-5948  
FAX: (203) 284-5978

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
20150115-222141284 - S1A	Crawl space yellow foam	1	
S1B	↓	1	
S1C	↓	1	
20150115-222141284 - S2A	Crawl space - white ceiling foam	2	
S2B	↓	2	
S2C	↓	2	
20150115-222141284 - S3A	Crawl space Insulating boards (pink)	3	
S3B	↓	3	
S3C	↓	3	
20150115-222141284 - S4A	concrete forms (crawl space)	4	
S4B	↓	4	
S4C	↓	4	
20150115-222141284 - S5A	peach siding and grey base	5 + 6	
S5B	↓	5 + 6	
S5C	↓	5 + 6	
20150115-222141284 - S6A	column base	7	
S6B	↓	7	
S6C	↓	7	
20150115-222141284 - S7A	grey column	8	
S7B	↓	8	
*Comments/Special Instructions:			

FSS#22214-1284

**APPENDIX D**

**LEAD XRF REPORT**

**LEAD BASED PAINT INSPECTION  
REPORT OF FINDINGS  
OF:**

**743 EAST BROADWAY  
MILFORD, CONNECTICUT**



**DATE:**

**January 15, 2015**

**PREPARED BY:**

**GILBERTCO LEAD INSPECTIONS LLC  
287 MAIN STREET  
ANSONIA, CONNECTICUT 06401**



# GILBERTCO LEAD INSPECTIONS, LLC

## “LEAD BASED PAINT SPECIALIST”

January 15, 2015

Job 011515

Kevin Bogue, LEP, CHMM  
Facility Support Services, LLC  
2685 State Street  
Hamden, Connecticut 06517

### **Re: Lead Based Paint Inspection: 743 East Broadway, Milford, Connecticut**

Gilbertco Lead Inspections LLC performed a limited XRF inspection for the presence of lead based paint at 743 East Broadway, Milford, Connecticut. The inspection was requested by Facility Support Services in response to a proposed lifting of the home through the State of Connecticut Department of Housing Community Block Grant Disaster Recovery Program.

The site inspected consists of a three story, single family home built about 1920. The home has been renovated and upgraded through the years. It was found to be in good repair and enjoying excellent housekeeping. The exterior is new stucco. The crawl space had no painted surfaces. There are no children under the age of six currently residing here.

In accordance with Manufacturers Performance Characteristic Sheet, the RMD LPA-1 - XRF spectrum analyzer was used in the “Quick” assaying mode This enables the equipment to accurately determine whether the result is “Positive”, above the 1.0 mg/cm<sup>2</sup> action level or “Negative”, below the action level regardless of precision or operator bias. In accordance with the above guidance, values of 0.9 mg/cm<sup>2</sup> through 1.1 mg/cm<sup>2</sup> are considered “Inconclusive”, meaning the value level of lead in paint was so close to the 1.0 mg/cm<sup>2</sup> action level that further analysis by XRF would not result in a “Positive” or “Negative” answer. Only laboratory analysis of the paint film can determine actual values in this range. Chip sampling of inconclusive was not included in the scope of this report, therefore, any results above 0.9 mg/cm<sup>2</sup> are considered positive. Results are arranged floor plan style with the substrate and condition noted. Orientation of rooms places side ‘one’ as street side, with side ‘two’ to the left, side ‘three’ opposite, and wall ‘four’ to the right. Rooms were tested in a clockwise pattern.

In regards to the above mentioned property, no lead based painted surfaces were identified

Lead in dust was not included in the scope of this report. Only laboratory analysis can insure that no lead dust hazards remain after renovations or from everyday use of the home.

Please feel free to call if any questions arise,

A handwritten signature in black ink that reads "Maureen Monaco". The signature is written in a cursive, flowing style.

Maureen Monaco

Director of Operations

Consultant Contractor #270

Lead Inspector Risk Assessor #1172

Lead Abatement Supervisor #2383



**743 East Broadway, Milford, Connecticut**

**January 15, 2015**

Reading	Rm #	Room	Side	Component	Condition	Substrate	mg/cm2	Decision
1	999	Calibration					1	okay
2	999	Calibration					1	okay
3	1	Front Entry	1	Door	Intact	Wood	-0.3	Negative
4	1	Front Entry	1	Door Casing	Intact	Wood	0	Negative
5	1	Front Entry	1	Wall	Intact	Dry wall	-0.1	Negative
6	1	Front Entry	4	Wall	Intact	Dry wall	-0.2	Negative
7	1	Front Entry	2	Wall	Intact	Dry wall	-0.2	Negative
8	1	Front Entry	2	Ceiling	Intact	Dry wall	-0.1	Negative
9	1	Front Entry	3	Wall	Intact	Dry wall	0	Negative
10	1	Front Entry	3	Wall -under stairs	Intact	Cement	0.3	Negative
11	1	Front Entry	4	Baseboard	Intact	Wood	-0.2	Negative
12	2	Kitchen	1	Wall	Intact	Dry wall	-0.1	Negative
13	2	Kitchen	1	Window Trim	Intact	Wood	-0.1	Negative
14	2	Kitchen	2	Wall	Intact	Wood	-0.2	Negative
15	2	Kitchen	4	Wall	Intact	Wood	-0.1	Negative
16	2	Kitchen	4	Ceiling	Intact	Dry wall	-0.3	Negative
17	2	Kitchen	2	Window Trim	Intact	Wood	-0.1	Negative
18	2	Kitchen	3	Door	Intact	Wood	0	Negative
19	2	Kitchen	3	Door Casing	Intact	Wood	-0.1	Negative
20	3	Living Rm	1	Wall	Intact	Dry wall	-0.2	Negative
21	3	Living Rm	4	Wall	Intact	Dry wall	0	Negative
22	3	Living Rm	2	Wall	Intact	Dry wall	-0.1	Negative
23	3	Living Rm	2	Baseboard	Intact	Wood	0	Negative
24	3	Living Rm	2	Ceiling	Intact	Dry wall	0	Negative
25	3	Living Rm	3	Wall	Intact	Dry wall	0.1	Negative
26	3	Living Rm	3	Door	Intact	Wood	-0.3	Negative
27	3	Living Rm	3	Door Casing	Intact	Wood	0.1	Negative
28	3	Living Rm	3	Window Trim	Intact	Wood	-0.2	Negative
29	3	Living Rm	3	Floor	Intact	Wood	-0.2	Negative
30	4	Laundry	2	Floor	Intact	N/A	-0.5	Negative
31	4	Laundry	2	Door Casing	Intact	Wood	0.1	Negative
32	4	Laundry	2	Wall	Intact	Dry wall	-0.4	Negative
33	4	Laundry	4	Wall	Intact	Dry wall	-0.1	Negative
34	4	Laundry	1	Wall	Intact	Dry wall	-0.1	Negative
35	4	Laundry	3	Wall	Intact	Dry wall	-0.3	Negative
36	4	Laundry	4	Door to exterior	Intact	Metal	0.2	Negative
37	4	Laundry	4	Door Casing	Intact	Wood	0.1	Negative
38	4	Laundry	4	Baseboard	Intact	Wood	-0.1	Negative
39	4	Laundry	4	Window Trim	Intact	Wood	0.1	Negative
40	4	Laundry	4	Ceiling	Intact	Dry wall	-0.3	Negative

**743 East Broadway, Milford, Connecticut**

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41	5	Bathroom	3	Door	Intact	N/A	-0.1	Negative
42	5	Bathroom	3	Door Casing	Intact	Wood	0	Negative
43	5	Bathroom	3	Wall	Intact	Dry wall	-0.1	Negative
44	5	Bathroom	4	Wall	Intact	Dry wall	-0.1	Negative
45	5	Bathroom	2	Wall	Intact	Dry wall	-0.2	Negative
46	5	Bathroom	2	Ceiling	Intact	Dry wall	-0.1	Negative
47	6	Bedroom 1	4	Door	Intact	N/A	-0.2	Negative
48	6	Bedroom 1	4	Door Jamb	Intact	Wood	-0.2	Negative
49	6	Bedroom 1	4	Door Casing	Intact	Wood	0	Negative
50	6	Bedroom 1	4	Wall	Intact	Dry wall	0	Negative
51	6	Bedroom 1	1	Wall	Intact	Dry wall	0	Negative
52	6	Bedroom 1	2	Wall	Intact	Dry wall	-0.4	Negative
53	6	Bedroom 1	3	Wall	Intact	Dry wall	-0.1	Negative
54	6	Bedroom 1	3	Ceiling	Intact	Dry wall	-0.1	Negative
55	6	Bedroom 1	3	Closet Door	Intact	N/A	-0.3	Negative
56	6	Bedroom 1	3	Clo Dr Csng	Intact	N/A	0	Negative
57	6	Bedroom 1	2	Window Sill	Intact	Wood	-0.2	Negative
58	6	Bedroom 1	2	Window Trim	Intact	Wood	0	Negative
59	6	Bedroom 1	2	Window Apron	Intact	Wood	-0.1	Negative
60	6	Bedroom 1	2	Baseboard	Intact	Wood	0.1	Negative
61	6	Bedroom 1	4	Baseboard	Intact	N/A	-0.4	Negative
62	7	2nd Fl Bath	4	Door Casing	Intact	Wood	0.1	Negative
63	7	2nd Fl Bath	4	Wall	Intact	Wood	-0.1	Negative
64	7	2nd Fl Bath	4	Wall	Intact	Wood	-0.3	Negative
65	7	2nd Fl Bath	3	Wall	Intact	Dry wall	-0.3	Negative
66	7	2nd Fl Bath	3	Wall	Intact	Wood	-0.1	Negative
67	7	2nd Fl Bath	1	Wall	Intact	Wood	-0.3	Negative
68	7	2nd Fl Bath	1	Wall	Intact	Dry wall	0	Negative
69	7	2nd Fl Bath	1	Ceiling	Intact	Dry wall	-0.4	Negative
70	7	2nd Fl Bath	1	Clo Dr Csng	Intact	Wood	0.1	Negative
71	7	2nd Fl Bath	1	Clo Shelf	Intact	Wood	-0.1	Negative
72	7	2nd Fl Bath	1	Clo Shelf Support	Intact	Wood	-0.1	Negative
73	8	Rear Left BR	4	Door	Intact	N/A	-0.5	Negative
74	8	Rear Left BR	4	Door Casing	Intact	Wood	0.1	Negative
75	8	Rear Left BR	4	Wall	Intact	Dry wall	-0.2	Negative
76	8	Rear Left BR	1	Wall	Intact	Dry wall	-0.1	Negative
77	8	Rear Left BR	2	Wall	Intact	Dry wall	-0.2	Negative
78	8	Rear Left BR	3	Wall	Intact	Dry wall	-0.1	Negative
79	8	Rear Left BR	3	Window Sill	Intact	Wood	-0.1	Negative
80	8	Rear Left BR	3	Window Trim	Intact	Wood	0.1	Negative
81	8	Rear Left BR	3	Ceiling	Intact	Wood	-0.3	Negative
82	8	Rear Left BR	3	Baseboard	Intact	Wood	-0.1	Negative
83	8	Rear Left BR	2	Clo Door	Intact	N/A	-0.2	Negative
84	8	Rear Left BR	2	Clo Dr Csng	Intact	Wood	0	Negative

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**January 15, 2015**

85	9	Bath off BR	3	Door Casing	Intact	Wood	-0.3	Negative
86	9	Bath off BR	3	Wall	Intact	Dry wall	0	Negative
87	9	Bath off BR	2	Wall	Intact	Dry wall	0	Negative
88	9	Bath off BR	1	Wall	Intact	Dry wall	0	Negative
89	9	Bath off BR	1	Ceiling	Intact	Dry wall	0	Negative
90	9	Bath off BR	2	Cabinet	Intact	Wood	-0.2	Negative
91	10	Rear Right BR	2	Door Casing	Intact	Wood	-0.2	Negative
92	10	Rear Right BR	2	Door Jamb	Intact	Wood	0	Negative
93	10	Rear Right BR	2	Wall	Intact	Dry wall	0	Negative
94	10	Rear Right BR	3	Wall	Intact	Dry wall	-0.1	Negative
95	10	Rear Right BR	4	Wall	Intact	Dry wall	-0.1	Negative
96	10	Rear Right BR	1	Wall	Intact	Dry wall	-0.4	Negative
97	10	Rear Right BR	1	Ceiling	Intact	Dry wall	-0.1	Negative
98	10	Rear Right BR	3	Window Sill	Intact	Wood	-0.2	Negative
99	10	Rear Right BR	3	Window Trim	Intact	Wood	-0.1	Negative
100	10	Rear Right BR	3	Baseboard	Intact	Wood	-0.1	Negative
101	10	Rear Right BR	1	Clo Dr Csng	Intact	Wood	-0.3	Negative
102	10	Rear Right BR	1	Closet Wall	Intact	Dry wall	-0.4	Negative
103	11	Middle Right BR	2	Door Casing	Intact	Wood	0	Negative
104	11	Middle Right BR	2	Wall	Intact	Dry wall	-0.2	Negative
105	11	Middle Right BR	3	Wall	Intact	Dry wall	-0.5	Negative
106	11	Middle Right BR	4	Wall	Intact	Dry wall	0	Negative
107	11	Middle Right BR	1	Wall	Intact	Dry wall	-0.4	Negative
108	11	Middle Right BR	1	Clo Door	Intact	Wood	-0.2	Negative
109	11	Middle Right BR	1	Clo Dr Csng	Intact	Wood	0	Negative
110	11	Middle Right BR	4	Window Sill	Intact	Wood	-0.1	Negative
111	11	Middle Right BR	4	Window Trim	Intact	Wood	0	Negative
112	11	Middle Right BR	4	Baseboard	Intact	Wood	-0.3	Negative
113	11	Middle Right BR	4	Ceiling	Intact	Dry wall	-0.1	Negative
114	12	Front Right BR	2	Door Casing	Intact	Wood	0.1	Negative
115	12	Front Right BR	2	Wall	Intact	Dry wall	0.1	Negative
116	12	Front Right BR	1	Wall	Intact	Dry wall	-0.5	Negative
117	12	Front Right BR	4	Wall	Intact	Dry wall	-0.2	Negative
118	12	Front Right BR	3	Wall	Intact	Dry wall	-0.2	Negative
119	12	Front Right BR	3	Ceiling	Intact	Dry wall	-0.1	Negative
120	12	Front Right BR	4	Window Sill	Intact	Wood	0	Negative
121	12	Front Right BR	4	Window Trim	Intact	Wood	0	Negative
122	12	Front Right BR	4	Baseboard	Intact	Wood	-0.1	Negative
123	12	Front Right BR	3	Clo Dr Csng	Intact	Wood	0.1	Negative
124	13	3rd Fl Front BR	1	Door	Intact	N/A	-0.2	Negative
125	13	3rd Fl Front BR	1	Door Casing	Intact	Wood	0	Negative
126	13	3rd Fl Front BR	1	Wall	Intact	Dry wall	-0.2	Negative

**743 East Broadway, Milford, Connecticut**

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127	13	3rd Fl Front BR	2	Wall	Intact	Dry wall	-0.1	Negative
128	13	3rd Fl Front BR	3	Wall	Intact	Dry wall	-0.1	Negative
129	13	3rd Fl Front BR	4	Wall	Intact	Dry wall	-0.2	Negative
130	13	3rd Fl Front BR	4	Ceiling	Intact	Dry wall	0	Negative
131	13	3rd Fl Front BR	4	Window Trim	Intact	Wood	0.1	Negative
132	13	3rd Fl Front BR	4	Baseboard	Intact	Wood	0	Negative
133	13	3rd Fl Front BR	4	Clo Dr Jamb	Intact	Wood	0	Negative
134	14	3rd Fl Bath	3	Wall	Intact	Dry wall	-0.1	Negative
135	14	3rd Fl Bath	1	Wall	Intact	Dry wall	-0.2	Negative
136	14	3rd Fl Bath	4	Wall	Intact	Dry wall	-0.1	Negative
137	14	3rd Fl Bath	2	Wall	Intact	Dry wall	-0.1	Negative
138	14	3rd Fl Bath	2	Ceiling	Intact	Dry wall	-0.3	Negative
139	14	3rd Fl Bath	4	Baseboard	Intact	Wood	-0.3	Negative
140	15	3rd FL Rear BR	1	Door	Intact	N/A	-0.3	Negative
141	14	3rd FL Rear BR	1	Door Casing	Intact	Wood	0	Negative
142	14	3rd FL Rear BR	1	Wall	Intact	Dry wall	-0.2	Negative
143	14	3rd FL Rear BR	4	Wall	Intact	Dry wall	-0.2	Negative
144	14	3rd FL Rear BR	3	Wall	Intact	Dry wall	0.1	Negative
145	14	3rd FL Rear BR	3	Ceiling	Intact	Dry wall	-0.2	Negative
146	14	3rd FL Rear BR	3	Window Trim	Intact	Wood	-0.1	Negative
147	14	3rd FL Rear BR	2	Wall	Defective	Dry wall	0.2	Negative
148	14	3rd FL Rear BR	2	Clo Dr Csng	Intact	Wood	0.1	Negative
149	15	3rd Fl Right BR	2	Door Casing	Intact	Wood	-0.2	Negative
150	15	3rd Fl Right BR	2	Wall	Intact	Dry wall	-0.2	Negative
151	15	3rd Fl Right BR	3	Wall	Intact	Dry wall	-0.1	Negative
152	15	3rd Fl Right BR	4	Wall	Intact	Dry wall	-0.3	Negative
153	15	3rd Fl Right BR	1	Wall	Intact	Dry wall	-0.4	Negative
154	15	3rd Fl Right BR	1	Ceiling	Intact	Dry wall	0	Negative
155	15	3rd Fl Right BR	3	Baseboard	Intact	Wood	0	Negative
156	15	3rd Fl Right BR	4	Window	Intact	Wood	0.1	Negative
157	15	3rd Fl Right BR	1	Baseboard	Intact	Wood	-0.1	Negative
158	15	3rd Fl Right BR	3	Clo DR Csng	Intact	Wood	-0.1	Negative
159	16	Exterior	3	Door Casing	Defective	Wood	0.1	Negative
160	16	Exterior	1	Wall	Intact	Cement	-0.3	Negative



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Attachment 10 – Checklist Item 13F Documentation – Microbial Abatement Work Plan

## **Microbial (Mold) Abatement Work Plan**

The following work plan outlines the microbial mold abatement of 743 East Broadway, Milford, Connecticut.

1. The Contractor shall have a designated Competent Person: on the job at all times to ensure proper work practices throughout the project.
2. Prior to beginning the clean-up and decontamination process, the contractor shall install at a minimum, a one-stage decontamination unit at the entrance to the area.
3. Workers shall don the proper PPE following 29 CFR 1910.120 prior to beginning the removal. This may include respiratory protection and/or disposable full body coveralls.
4. Microbial abatement shall be implemented using the following procedure:
  - a. If visible mold growth is observed:
    - i. Mold contaminated waste materials shall be handled and removed from specified locations for proper disposal.
    - ii. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools only to remove materials from adjacent substrates.
    - iii. Any dry or brittle materials shall be removed with additional engineering controls such as use of a HEPA vacuum to removed accumulated dust or debris during removal.
    - iv. Waste shall be immediately placed in disposal containers/storage trailers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions.
    - v. The use of minimal but sufficient quantities of water to wet the generated waste prior to collection shall be utilized. Under no circumstances shall the mold waste show evidence of free liquid water, pooling or ponding with the waste stream. Any liquid used to wet the dust and debris to control fugitive emission shall be properly containerized and decontaminated in accordance with CHS Section 22a-463 through 22a-469.
  - b. All remaining surfaces that are disturbed during renovation or demolition.
    - i. Spray one coat of Shockwave Disinfectant & Cleaner (or similar) to all surfaces per the manufacturer's specifications. This includes all floors, walls, and ceilings. Alternate products must be approved by the project consultant.
    - ii. Spray one coat of Aftershock fungicidal coating (or similar) to all surfaces per the manufacturer's specifications. This includes all floors, walls, and ceilings. Alternate products must be approved by the project consultant.



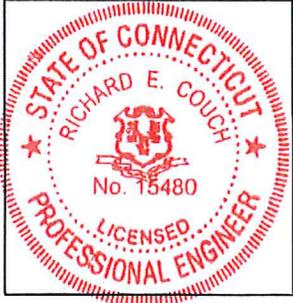
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Attachment 11 - Checklist Item 14A Documentation – Flood Management Certification

## Appendix B

### DECD/SHPO/DOH Professional Certification Form

For all General Permit Applications submitted as part of the Flood Management Certification for Disaster Recovery Activities, the following certification must be signed and sealed by a professional engineer licensed to practice in Connecticut.

Property:	
Application Number:	
"I certify that in my professional judgment, the above referenced project has been designed consistent with the Flood Management Certification for Disaster Recovery Activities as approved by DEEP and that the information is true, accurate and complete to the best of my knowledge and belief.	
I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes."	
	<u>1/05/2010</u>
Signature of Applicant	Date
<u>Hennia Delaire</u>	<u>CDBG-DB Program Mgr</u>
Name of Applicant (print or type)	Title
	<u>1/5/2010</u>
Signature of Professional Engineer	Date
<u>Richard E. Couch</u>	<u>15480</u>
Name of Professional Engineer (print or type)	P.E. Number
Affix P.E. Stamp Here	
	

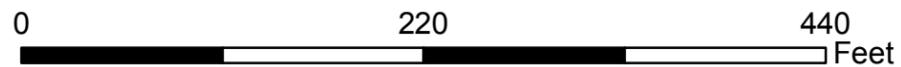
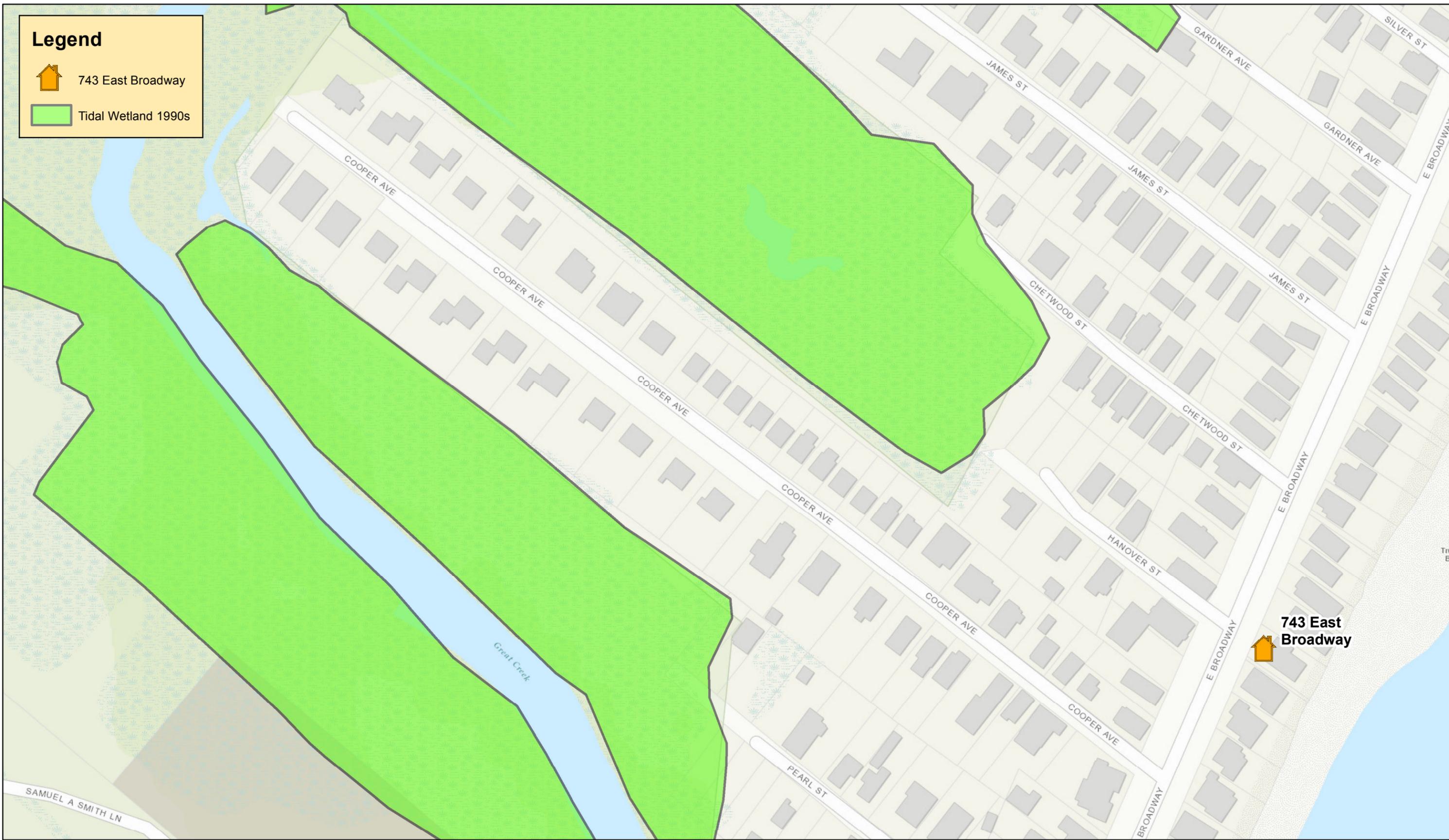


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Attachment 12 – Checklist Item 14C Documentation – Tidal Wetlands

**Legend**

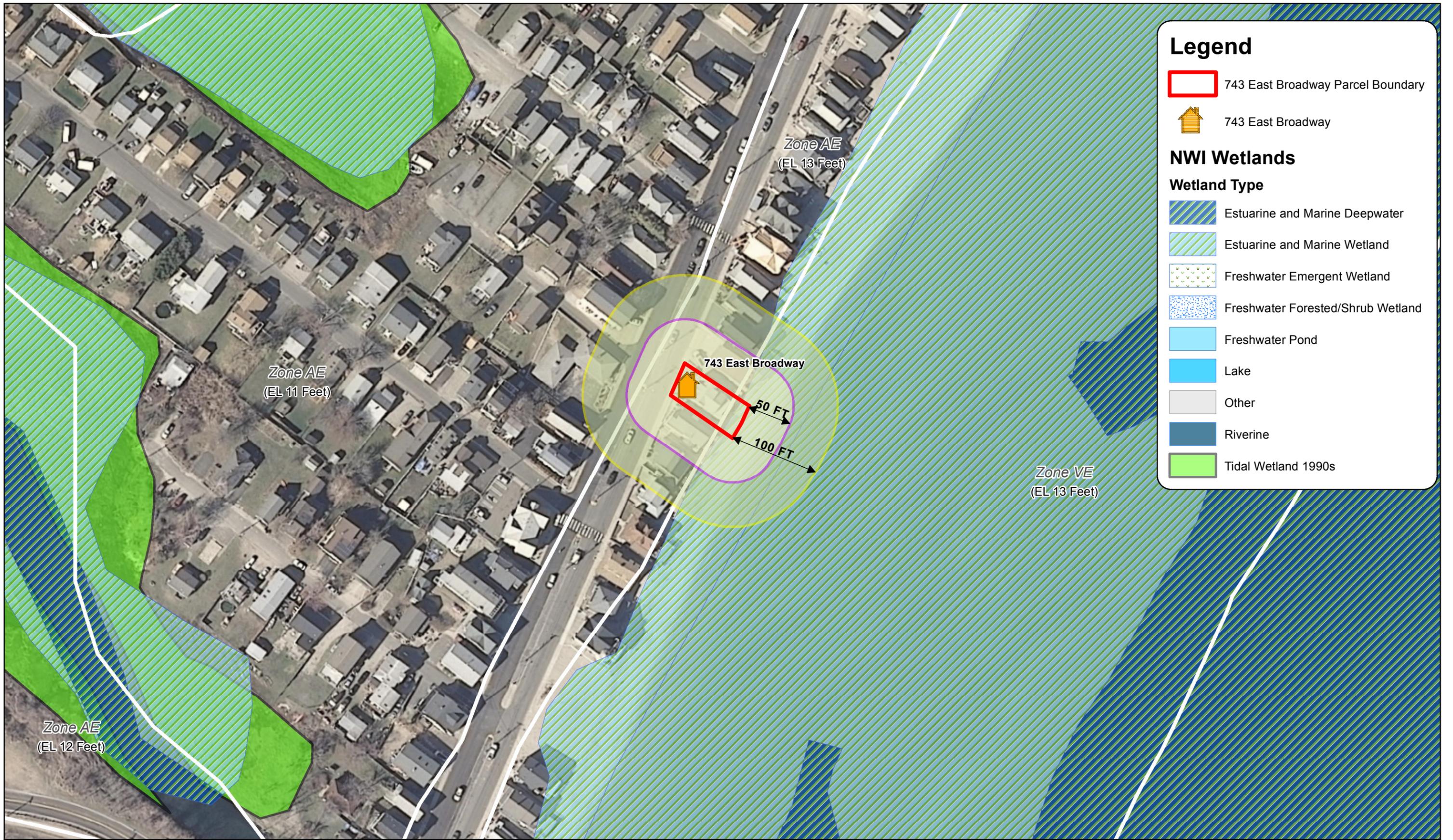
-  743 East Broadway
-  Tidal Wetland 1990s





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Attachment 13 – Checklist Item 14E Documentation – Buffer Map



### Legend

-  743 East Broadway Parcel Boundary
-  743 East Broadway

### NWI Wetlands

**Wetland Type**

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  Other
-  Riverine
-  Tidal Wetland 1990s



1 inch = 100 feet



Data Sources:  
 Aerial Imagery - CT ECO (2012)  
 Parcel Lines - CT ECO (2011)  
 Tidal Wetlands - CT ECO (1990s)  
 NWI - USFWS (2010)  
 Flood Hazrd Zones - FEMA (2014)