



Civil Engineering | Land Surveying | Environmental Sciences

Environmental Review Record  
and  
Statutory Checklist

Residence of Martin Patricelli  
42 Minor Road  
East Haven, CT

NEPA Compliance Document  
Prepared Pursuant to 24 CFR Part 58

May 28, 2014

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and  
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## 1.0 Project Description and Location

The State of Connecticut Action Plan for Community Development Block Grant Program Disaster Recovery submitted a Plan to the U.S. Department of Housing and Urban Development (“HUD”) as part of a receipt of \$71,820,000 of federal funding under the Community Development Block Grant - Disaster Recovery (CDBG-DR) Program.

The funding was authorized under The Disaster Relief Appropriations Act of January 29, 2013. The allocation of the Funding to the State is intended to address immediate unmet housing and economic revitalization needs in those counties and jurisdictions that were most severely impacted by Hurricane Sandy.

Pursuant to the National Environmental Policy Act (NEPA), Freeman Companies, LLC has prepared the following environmental documentation for rehabilitation of the property located at 45 second Avenue in East Haven, Connecticut. We are preparing the environmental documentation in accordance with the HUD regulations 24 CFR Part 58. This project is within Connecticut Department of Housing’s (DOH) Owner Occupied Rehabilitation and Rebuilding (OORR) Program.

The property is a single family residence located at approximately 41.2464 Latitude and -72.8884 Longitude. The building, constructed in 1953, is located on the west side of Minor Road between South End Road and Beach Avenue. The property is located within an AE flood plain.

The project will entail the following:

- Raising of the residence 2 feet above base flood elevation (BFE)
- Roof repairs
- Removal and replacement of damaged trim and siding

## 2.0 Explanation of Categorical Exclusion

A Categorical Exclusion in accordance with 24 CFR Part 58.35 refers to a category of activities for which no environmental impact statement or environmental assessment and finding of no significant impact under NEPA is required, except in extraordinary circumstances. Because the project involves building rehabilitation and improvements, and that the unit density and land use will not change, the project is categorically excluded under 24 CFR 58.35(a)(3)(i).

## 3.0 Statutory Checklist

This project is determined to be Categorically Excluded according to 24 CFR 58.35(a)(3)(i). Projects may be additionally subject to review under related federal laws and authorities as determined by completing a statutory checklist. The following checklist and documentation of the findings of the checklist are incorporated into this Environmental Review Record in compliance with 24 CFR 58.

Tier 1 of a 2-step Tiered Environmental Review has already been conducted by DOH, and this Statutory Checklist shall be considered Tier 2.

The Statutory Checklist indicates whether the activity does or does not affect the resources under consideration. Status “A” indicates that the project does not require formal consultation with an outside agency and does not affect the resource in question. Status “B” indicates that the activity requires formal compliance consultation with the oversight agency or affects the resource. The

documents and/or information sources used in making the determination are listed in the checklist. A compliance determination is provided following the checklist.

The checklist is included as Appendix A.

#### **4.0 Agency Consultation and Mitigation Measures Required**

Based on the completion of the checklist, the following Agency(ies) were consulted and inspections performed.

##### **4.1 Department of Economic and Community Development - State Historic Preservation Office**

The State Historic Preservation Office (SHPO) is responsible for overseeing the governmental program of historic preservation for Connecticut's citizens. SHPO administers a range of federal and state programs that identify, register and protect the buildings, sites, structures, districts and objects that comprise Connecticut's cultural heritage.

In accordance with 24 CFR 58.5(a) Historic Properties, since the property, due to its age, may be eligible for listing on the National Register of Historical Places, a request for a review of the status of the site relative to historic or cultural resources will be submitted directly by the Connecticut Department of Housing.

##### **4.2 Town of East Haven - Engineering Department**

The Town of East Haven's Engineering Department was consulted in regards to inland wetlands, coastal zone management and local zoning approvals. According to Mr. Jerry Tramontaro, a coastal area management review would be required for the project. In addition approvals from inland wetlands as well as local planning and zoning may also be required.

##### **4.3 Lead**

A lead inspection was performed at the property by Fuss & O'Neill on April 15, 2014. Based on the inspection the following building components were determined to contain concentrations of lead greater than 1.0 milligrams of lead per square centimeter of paint:

- Sheetrock ceilings - side porch - room 1
- Sheetrock ceilings - front porch - room 2

Rehabilitation/renovation/repair activities that disturb any of these areas will be subject to the requirements of 40 CFR 745.80 through 745.92 (EPA's Lead Renovation, Repair and Painting Rule). If these components are to be disposed during rehabilitation then a Toxicity Characteristic Leaching Procedure (TCLP) sample of the demolition waste stream should be collected in order to determine disposal requirements.

##### **4.4 Asbestos**

An asbestos inspection was performed at the property by Fuss & O'Neill on April 15, 2014. Based on the results of the inspection none of the test materials were identified to contain asbestos.



Any suspect material encountered during renovation/demolition that is not identified in this report as being non-asbestos containing material, should be assumed to be asbestos containing material unless sample results prove otherwise.

#### 4.5 Radon

From April 14, 2014 through April 18, 2014, Fuss & O'Neill conducted radon testing at the residence utilizing passive radon detection canisters for at least 48 hours but no longer than 96 hours. During the course of the assessment, four samples, including one duplicate and one blank, were placed within the residence. The sample collected in the livable space on the first floor (kitchen) contained a radon concentration of 0.1 pCi/L; which was below the EPA recommended action guideline of 4.0 pCi/L.

#### 4.6 Mold

On April 9, 2014, Fuss & O'Neill performed a visual assessment for the presence of suspect mold and water intrusion. The results of the inspection identified that sheetrock ceiling in the enclosed side porch displayed signs of water damage.

Building materials to remain in areas of visible suspect mold growth should be cleaned and have a mold inhibitor applied to them, if possible. Remediation of visible suspect mold growth and removal of water damaged building materials should be performed under negative pressure using properly trained and protected workers. Removal should comply with guidance according to EPA and the Institute of Inspection, Cleaning and Restoration Certification (IICRC).

#### 5.0 Determination

For Categorically Excluded actions pursuant to §58.35(a), the project cannot convert to "Exempt" since one or more authority requires compliance, including but not limited to consultation with or approval from an oversight agency, performance of a study or analysis, completion of remediation or mitigation measure, or obtaining of license or permit.

#### 6.0 References

Environmental Justice Maps, CTDEEP, accessed at  
[http://www.ct.gov/deep/lib/deep/environmental\\_justice/maps/east\\_haven.pdf](http://www.ct.gov/deep/lib/deep/environmental_justice/maps/east_haven.pdf)

Endangered Species Maps, CTDEEP, accessed at  
<http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbsel=44>

Environmental Data Resource Report, *EDR Radius Map with GeoCheck*, March 20, 2014

Environmental Data Resource Report, *NEPACheck*, March 20, 2014

Flood Insurance Rate Map, Map Number 09009C0576J

Google Earth, accessed on March 20, 2014

Sole Source Aquifer Map, EPA, accessed at EPA Region 1  
[http://www.epa.gov/region1/eco/drinkwater/pc\\_solesource\\_aquifer.html](http://www.epa.gov/region1/eco/drinkwater/pc_solesource_aquifer.html)

Town of East Haven Assessor Card, accessed at <http://www.equalitycama.com>

Town of East Haven Building Department

Town of East Haven Coastal Area Management Program

## Zoning Regulations of the Town of East Haven

### 7.0 Summary of Preparer Qualifications

Mr. Charles D. Brink possesses over 20 years of experience performing and leading environmental assessment and investigation projects. He has overseen numerous hazardous material investigations and performed dozens of Phase I Environmental Site Assessments. To further his knowledge base, he has also been trained in the investigation of mold, PCBs in building materials as well as possessing experience with the management of an asbestos laboratory analyzing both bulk and air monitoring samples for asbestos.

**Appendix A**  
**Statutory Checklist**

## Statutory Checklist for Compliance with 24 CFR §58.5 – NEPA Related Federal Laws and Authorities

(Must be completed for each individual addressed included under overall project description)

Use this worksheet for projects that are Categorically Excluded Subject to 24 CFR §58.5 listed at 24 CFR §58.35(a) and for projects that require an Environmental Assessment.

Project Name: Residence of Martin Patricelli - 42 Minor Road, East Haven, CT

ERR FILE # Application Number 1211

**Definitions:** **A:** The project is in compliance.

**B:** The project requires an additional compliance step or action.

Statute, Authority, Executive Order Cited at 24 CFR §58.5	A	B	COMPLIANCE FINDING	SOURCE DOCUMENTATION
1. 58.5(a) Historic Properties [36 CFR 800]			<b>Consultation request to be submitted to SHPO by Department of Housing</b>	
2. 58.5(b)(1) Floodplain Management [24 CFR 55, Executive Order 11988]		<b>B</b>	<b>DOH has conducted 8-step analysis. Site in AE flood plain. Mitigation will include rising of existing building 2-feet above BFE. Mitigation activities to be included in construction scope of work.</b>	<b>NFIP FIRM Map 09009C0557J</b>  <b>A copy of the map depicting the location is attached</b>
3. 58.5(b)(2) Wetland Protection [24 CFR 55, Executive Order 11990]		<b>B</b>	<b>DOH has conducted 8-step analysis. Site in AE flood plain, but not within wetland. Mitigation will include rising of existing building 2-feet above BFE. Mitigation activities to be included in construction scope of work. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.</b>	<b>Site is not located within a wetland. USGS Wetland map, EDR NEPA Check report and EDR Radius Map</b>
4. 58.5(c) Coastal Zone Management [Coastal Zone Management Act sections 307(c) & (d)]		<b>B</b>	<b>Project is located within Coastal Management Zone. Coastal Area Management review will be required. Review to be conducted as part of construction scope of work. No construction will be conducted until local approval is obtained.</b>	<b>Town of East Haven Coastal Area Management Program.</b>  <a href="http://cteco.uconn.edu/map_catalog/maps/town/Coastal_Boundary/cstlbnd_EAST_HAVEN.pdf">http://cteco.uconn.edu/map_catalog/maps/town/Coastal_Boundary/cstlbnd_EAST_HAVEN.pdf</a>  <b>A copy of the map depicting the location of the property is attached.</b>

5. 58.5(d) Sole Source Aquifers [40 CFR 149]	A		The property is not located within a sole source aquifer area. Site utilizes municipal sewer and water.	EPA Region 1 <a href="http://www.epa.gov/region1/co/drinkwater/pc_solesource_aquifer.html">http://www.epa.gov/region1/co/drinkwater/pc_solesource_aquifer.html</a>  A copy of the GNHWPCA service area map with project location depicted is attached
6. 58.5(e) Endangered Species [50 CFR 402]	A		The project location is not located within a Natural Diversity area. The project location does not contain waterfront property with a Sandy beach.	<a href="http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbssel=44">http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbssel=44</a> A copy of the map with project location depicted is attached.
7. 58.5(f) Wild and Scenic Rivers [36 CFR 297]	A		Project location is not within one mile of Eight Mile River (only designated wild and scenic river within program area)	
8. 58.5(g) Air Quality [40 CFR parts 6, 51,61, 93]	A		Project on existing developed site and should not substantially affect the CT SIP due to the implementation of standard BMPs. Project consists of residential rehabilitation with no anticipated quantifiable increase in air pollution.	
9. 58.5(h) Farmland Protection [7 CFR 658]	A		Project does not include land conversion, new construction or site clearance. Property does not include prime or unique farmland.	<a href="http://websoilsurvey.sc.egov.usda.gov">http://websoilsurvey.sc.egov.usda.gov</a>
10. 58.5(i)(1) Noise Control and Abatement [24 CFR 51B]	A		Project is not new construction or conversion and existing usage of the building will not change. Project is not located within the 65 decibel zone of Tweed Airport.	Tweed New Haven Airport Master Plan
11. 58.5 (i) (1) Explosive and Flammable Operations [24 CFR 51C]	A		Mitigation efforts will not result in an increase to residential density of the property	
12. 58.5(i)(1) Airport Hazards (Runway Clear Zones and Clear Zones/Accident Potential Zones) [24 CFR 51D]	A		Repairs to the building will not result in an increase to residential density of the property nor is the property located within an airport clear zone.	Tweed-New Haven Airport Runway Protection Zone maps are attached
13. 58.5(i)(2)(i-iv) Contamination and Toxic Substances [24 CFR 58.5(i)(2)]	A		The identified potential sources do not pose a hazard that will restrict the intended use of the property	Opinion of preparer who is a qualified environmental professional. Source documentation used as part of the determination is attached.

14. 58.5(j) Environmental Justice [Executive Order 12898]	A		The project is not located in predominantly minority and low income census block area according to EJ Mapping. The project will not create high and adverse human health and environmental effects.	<a href="http://www.ct.gov/deep/lib/deep/environmental_justice/map/east_haven.pdf">http://www.ct.gov/deep/lib/deep/environmental_justice/map/east_haven.pdf</a> A copy of the map depicting the site location is attached
15 A. Flood Insurance [58.6(a) & (b)]		B	Per federal regulations and OORR program guidelines the homeowner will need to provide proof of flood insurance policy prior to construction. Homeowners are required to maintain flood insurance for not less than 5 years from the date of assistance.	
15 B. Coastal Barriers [58.6(c)]	A		Town of East Haven does not contain any coastal barrier resources	Connecticut Map of Coastal Barrier Resources System. A copy of the map depicting the site location is attached.
16. A Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	A		Activities are limited to pre storm building footprint. Town of East Haven provides weekly curbside pickup of refuse for all 1 to 3 family homes	<a href="http://www.townofeasthavenct.org/public_refuse.shtml">http://www.townofeasthavenct.org/public_refuse.shtml</a>
16 B. Fish and Wildlife [U.S.C. 661-666c]	A		Project will not involve the impounding, diverting, channelizing or modification of any steam or body of water	
16 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]		B	Lead based pain was identified at the property. renovation activates that disturb any of these areas will be subject to the requirements of 40 CFR 745.80 through 745.92	Limited Hazardous Materials Inspection Report. A copy of the report is attached.
16 D. Asbestos	A		Asbestos containing material was not identified at the property	Limited Hazardous Materials Inspection Report. A copy of the report is attached.
16 E. Radon [50.3 (i) 1]	A		Radon was not identified within living spaces at concentration exceeding EPA recommended guidelines	Limited Hazardous Materials Inspection Report. A copy of the report is attached.
16 F. Mold		B	Water damage was identified on the sheetrock ceiling in the enclosed side porch. Remediation of visible suspect mold growth and removal of water damaged building materials should be performed under negative pressure using properly trained and protected workers	Limited Hazardous Materials Inspection Report. A copy of the report is attached.

Other: State or Local 17 A. Flood Management Certification [CGS 25-68]	A		<b>General Permitting for program in development with DEEP</b>	
17 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	A		<b>Project is not located waterward of coastal jurisdiction line</b>	
17 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]		B	<b>Project is not located within a tidal wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.</b>	
17 D. Local inland wetlands/watercourses [CGS 22a-42]		B	<b>Project is not located within an inland wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.</b>	<b>Town of East Haven inland wetlands areas do not differ from DEEP identified wetlands</b>
17 E. Various Municipal Zoning Approvals		B	<b>Obtaining any local zoning approvals to conduct mitigation efforts will be included within the construction scope of work</b>	<b>Zoning Regulations of the town of east haven</b>

**DETERMINATION:**

- Box "A" has been checked for all authorities.** For Categorically Excluded actions pursuant to §58.35(a) [Does not apply to EA or EIS level of review which can never convert to Exempt], the project can convert to Exempt, per §58.34(a) (12), since the project does not require any compliance measures (e.g., consultation, mitigation, permit or approval) with respect to any law or authority cited at §58.5. The project is now made Exempt and **funds may be drawn down**; OR
- Box "B" has been checked for one or more authority.** For Categorically Excluded actions pursuant to §58.35(a), the project cannot convert to Exempt since one or more authority requires compliance, including but not limited to consultation with or approval from an oversight agency, performance of a study or analysis, completion of remediation or mitigation measure, or obtaining of license or permit. **Complete pertinent compliance requirement(s), publish NOI/RROF, request release of funds (HUD-7105.15), and obtain HUD's Authority to Use Grant Funds (HUD-7015.16) per §58.70 and §58.71 before committing funds**; OR
- This project is not a Categorically Excluded action pursuant to §58.35(a), or may result in a significant environmental impact to the environment, and requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

**MITIGATION MEASURES AND CONDITIONS FOR PROJECT APPROVAL:** *(If Box B is checked, provide details regarding further consultation, mitigation, permit requirements or approvals required to be incorporated into public notices and project requirements such as contracts, grants, loan conditions, etc. as described in the Statutory Worksheet). Ensure required measures are included in 7015.15 Project Description Section.*

PREPARER:



\_\_\_\_\_  
Preparer's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Charles D. Brink  
Preparer's Name (printed)

\_\_\_\_\_  
Manager Environmental Services  
Title (printed)

AUTHORIZED RESPONSIBLE ENTITY OFFICIAL:

\_\_\_\_\_  
Authorized Responsible Entity Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Hermia Delaire  
Authorized Responsible Entity Name (printed)

\_\_\_\_\_  
CDBG-DR Program Manager  
Title (printed)



# Worksheet for Preparing 24 CFR §58.5 Statutory Checklist

[Attach to Statutory Checklist]

## 1. §58.5(a) Historical Properties [36 CFR Part 800]

### Historic Properties

- a. Does the project include the type of activity that would have the potential to affect historic properties such as acquisition, demolition, disposition, ground disturbance, new construction or rehabilitation?  
 Yes  No

**If Yes**, continue.

**If No**, the project is not the type of activity that has the potential to affect historic properties. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- b. Do the RE and State Historic Preservation Office (SHPO) have a Programmatic Agreement (PA) that does not require consultation for this type of activity?  
 Yes  No

**If Yes**, document compliance with the PA. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

**If No**, continue.

- c. Is the project located within or directly adjacent to a historic district?  
 Yes  No

- d. Is the structure or surrounding structures listed on or eligible for listing on the National Register of Historic Places (e.g. greater than 45 years old)?  
 Yes  No

- e. Were any properties of historical, architectural, religious or cultural significance identified in the project's Area of Potential Effect (APE)?  
 Yes  No

**If Yes to any of the questions above**, continue.

**If No to all of the questions above**, the project will not affect historic properties. A concurrence from the SHPO that "no historic properties will be affected" is required. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- f. Have you consulted with the SHPO to determine whether the project will have "No Adverse Effect on Historic Properties?"  
 Yes  No

**If Yes**, continue.

**If No**, consultation with the SHPO is required.

- g.** Does the SHPO concurrence letter received for this project require mitigation or have conditions?  
 Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- h.** Have the SHPO and RE agreed on required mitigation or conditions?  
 Yes  No

**If Yes**, include mitigation requirements and/or conditions from the SHPO in the mitigation section of the Statutory Checklist. Mark box “B” on the Statutory Checklist for this authority.

**If No**, continue with consultation until resolved.

**Historic properties of religious and cultural significance to tribes and Native Hawaiian organizations**

- i.** Does the project include the types of activities such as those listed below that have the potential to affect historic properties of religious and cultural significance to tribes?
- Ground disturbance (digging);
  - New construction in undeveloped natural areas;
  - Incongruent visual changes – impairment of the vista or viewshed from an observation point in the natural landscape;
  - Incongruent audible changes – increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience;
  - Incongruent atmospheric changes – introduction of lights that create skyglow in an area with a dark night sky;
  - Work on a building with significant tribal association;
  - Transfer, lease or sale of a historic property of religious and cultural significance.
- Yes  No

**If Yes**, continue.

**If No**, tribal consultation is not required.

- j.** Does HUD’s Tribal Directory Assessment Tool indicate that tribes have an interest in the location where the project is sited?  
(<http://egis.hud.gov/tdat/Tribal.aspx>)

Yes  No

**If Yes**, contact federally recognized tribe(s) and invite consultation. Continue.

**If No**, document the result in the ERR. Tribal consultation is not required.

**k.** Did the tribe(s) respond that they want to be a consulting party?

Yes  No

**If Yes,** continue.

**If No,** (no response within 30 days or responded that they do not wish to consult), document response or lack of response in ERR. Further consultation is not required.

**l.** After consulting with the tribe(s) and discussing the project, were any properties of religious or cultural significance to the tribe(s) identified in the project's APE?

Yes  No

**If Yes,** continue.

**If No,** notify tribe(s) and other consulting parties of your finding of "No Historic Properties Affected." Tribe(s) has 30 days to object to a finding.

**m.** After consulting with the tribe(s), will the project have an adverse effect on properties of religious or cultural significance to the tribe(s)?

Yes  No

**If Yes,** consult with tribe(s) and other consulting parties to resolve adverse effects, including considering alternatives and mitigation measures that would avoid or minimize adverse effects.

**If No,** notify tribe(s) and other consulting parties of your finding of "No Adverse Effects." Tribe(s) has 30 days to object to a finding.

**n.** Were any objections to a finding received from a consulting tribe?

Yes  No

**If Yes,** continue with consultation until resolved.

**If No,** consultation is complete.

Comments:

Cite and attach source documentation: (Correspondence with SHPO/THPO. How determination of "no potential to cause effects" to historic properties was made.)

Information Resources:

National Register of Historic Places:

<http://nrhp.focus.nps.gov/natreghome.do?searchtype=natreghome>

National Conference of State Historic Preservation Officers:

<http://ncshpo.org/>

Map of Currently Recognized THPO's:

<http://www.nathpo.org/map.html>

Section 106 Agreements Database:

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/section106](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/section106)

**2. §58.5(b) (1) Floodplain Management [24 CFR Part 55]**

- a.** Does the project involved minor repairs or improvements on one to four family properties that do not meet the threshold for “substantial improvement” of §55.2(b)(8), i.e., the cost does not equal or exceed 50% of the market value of the structure before improvement or repair started, before damage occurred.

Yes  No

**If Yes**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**If No**, continue.

- b.** Is the project located within (or have an impact on) a 100 year floodplain (Zone A) or Coastal High Hazard (Zone V) identified by FEMA maps?

Yes  No

- c.** Does the project involve a “critical action,” per §55.2(b) (2) (i), located within a 500 year floodplain (Zone B) identified by FEMA maps?

Yes  No

**If Yes to (b) or (c)**, follow HUD’s Floodplain Management Regulations 8-Step decision-making process of §55.20 to comply with 24 CFR Part 55. The 8-Step decision-making process must show that there are no practicable alternatives to locating the project in the floodplain, and if there are no alternatives, define measures to mitigate impacts to floodplains and location of the project in the floodplain. Completion of the 8-Step decision-making process must be completed before the completion of an EA per §55.10(a). See Attachment 2 for an example of the 8-Step decision-making process. The 8-step decision-making process must be included in the ERR and summarized in Part 55 and Part 58 public notices, as well as NOI/RROF and FONSI notices. Mark box “B” on the Statutory Checklist for this authority.

**If No to (b) and (c)**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- d.** Does the project involve a critical action in a coastal high hazard area or a floodway?

Yes  No

If, Yes, HUD assistance may not be used for this project.

- e.** Does the project involve a non-critical action which is not a functionally dependent use that is located in a floodway?

Yes  No

If Yes, HUD assistance may not be used for this project

- f.** Does the project involve a non-critical action which is not a functionally dependent use that is located in a coastal high hazard area?

Yes  No

If Yes, project is allowed **only** if it is designed for a location in a coastal high hazard area **and** is processed under Section 55.20. Design requirements must be noted in Statutory Checklist and 8-Step decision-making process.

Comments:

Cite and attach source documentation: (FEMA flood map used to make this finding with the project location marked on the map. Include the community name, map panel number and date of map. As applicable, §55.20 8-Step decision-making process analysis. If FEMA has not published the appropriate flood map, the RE must make a finding based on best available data.)

For more information see:

FEMA Map Service Center:

<http://www.store.msc.fema.gov>

### 3. §58.5(b) (2) Wetlands Protection (E.O. 11990)

- a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Is the project within or adjacent to or will it affect wetlands, marshes, wet meadows, mud flats or natural ponds per field observation and maps issued by the US Fish & Wildlife Service (USFWS) or U.S. Army Corps of Engineers (Corps)?

Yes  No

- c. Are there drainage ways, streams, rivers, or coastlines on or near the site?

Yes  No

- d. Are there ponds, marshes, bogs, swamps or other wetlands on or near the site?

Yes  No

- e. Does the project involve new construction and/or filling located within a wetland designated on a USFWS National Wetlands Inventory map?

Yes  No

**If Yes to any of b – e above**, comply with wetlands decision-making process of 24 CFR §55.20. (Use proposed Part 55 published in the Federal Register January 2012 for wetland procedures). Continue.

**If No to all of b - e above**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- f. Will the project require a permit from the Corps under Section 404 of the Clean Water Act and/or will USFWS require wetland mitigation?

Yes  No

**If Yes**, ensure this is noted in Part 55 and Part 58 public notices. Include all mitigation measures and permit requirements in the mitigation section of the Statutory Checklist. Compliance with this section is complete. Mark box “B” on the Statutory Checklist for this authority.

**If No**, compliance with this section is complete. Mark box “B” on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (NWI Map with project location noted in reference to wetlands. §55.20 8/5-Step decision-making process analysis for new construction and/or filling, and any permits received.)

For more information see:

USFWS National Wetlands Inventory – Geospatial Wetlands Digital Data:

<http://www.FWS.gov/wetlands/data/index.html>

Recognizing wetlands:

[http://www.usace.army.mil/Portals/2/docs/civilworks/regulatory/techbio/rw\\_bro.pdf](http://www.usace.army.mil/Portals/2/docs/civilworks/regulatory/techbio/rw_bro.pdf)

#### 4. §58.5(c) Coastal Zone Management [Coastal Zone Management Act of 1972, Sections 307(c) & (d)]

- a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Is the project located within a Coastal Zone as defined in your state Coastal Zone Management (CZM) Plan?

Yes  No

**If Yes**, the State CZM Agency must make a finding that the project is consistent with the approved State CZM Plan. Mark box “B” on the Statutory Checklist for this authority.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Map showing project in relation to the nearest Coastal Zone Management area. If applicable, State’s findings.)

For additional information see:

States and Territories Working with NOAA on Ocean and Coastal Zone Management:

<http://coastalmanagement.noaa.gov/mystate/welcome.html>

Texas Coastal Zone Management Program:

<http://www.glo.texas.gov/what-we-do/caring-for-the-coast/grants-funding/cmp/index.html>

Texas Coastal Zone Boundary:

[http://www.glo.texas.gov/what-we-do/caring-for-the-coast/\\_documents/landing-page-folder/CoastalBoundaryMap.pdf](http://www.glo.texas.gov/what-we-do/caring-for-the-coast/_documents/landing-page-folder/CoastalBoundaryMap.pdf)

Louisiana Office of Coastal Management:

<http://dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=85&ngid=5>

Louisiana Coastal Zone Boundary:

<http://dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=88>

## 5. §58.5(d). Sole Source Aquifers [40 CFR Part 149]

- a. Does the project involve new construction or land use conversion?  
 Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Is the project located within a U.S. Environmental Protection Agency (EPA)-designated sole source aquifer watershed area per EPA Ground Water Office?  
 Yes  No

**If Yes**, consult with the Water Management Division of EPA to design mitigation measures to avoid contaminating the aquifer and implement appropriate mitigation measures. Include mitigation measures in mitigation section of Statutory Checklist. Mark box “B” on the Statutory Checklist for this authority.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Map showing project in relation to the nearest Sole Source Aquifer.)

For more information see:

Region 6 Sole Source Aquifers: <http://www.epa.gov/region6/water/swp/ssa/maps.htm>

## 6. §58.5(e) Endangered Species [50 CFR Part 402]

- a. Does the project involve the type of activities that are likely to have “no effect on endangered species, such as:
- Demolition and construction or placement of a single family residence within a developed lot, and/or any loans or mortgages affiliated with such construction, demolition or placement provided they are not within 750 feet of habitat for federally-listed species or 300 feet of mapped wetlands, wildlife refuges, fish hatcheries, wildlife management areas, or related significant fish and wildlife resources?

Yes  No

• Rehabilitation or renovation activities associated with existing structures (e.g., houses, buildings), including additional structures attached to or associated with the primary structure, and/or any loans or mortgages affiliated with such rehabilitation or renovation?

Yes  No

• Acquisition of existing structures (e.g., houses, buildings), including additional structures attached to or associated with the primary structure, and/or any loans or mortgages affiliated with such acquisition.

Yes  No

• Purchase and placement of playground equipment within existing parks?

Yes  No

• Resurfacing, repairing, or maintaining existing streets, sidewalks, curbs, trails, parking lots and/or any other existing paved surfaces where additional ground disturbance, outside of the existing surface is not necessary?

Yes  No

**If Yes to any of the above**, the project is likely to have “No Effect” on federally protected species and critical habitat. Informal consultation with the US Fish and Wildlife Service or the National Marine Fisheries Service (Services) is not necessary. The RE is required to make this finding and include a memorandum to the file supporting the finding (note that this finding should be made by the RE, and not by third party contractors and non-RE grant recipients). Compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**If No to all of the above**, continue.

**b.** Has the US Fish and Wildlife Service or the National Marine Fisheries Services identified listed species or designated critical habitat in the county where the project is located?

Yes  No

**If Yes**, continue.

**If No**, the project is likely to have “No Effect” on federally protected species and critical habitat. Informal consultation with the Services is not necessary. The RE is required to make this finding and include a memorandum to the file supporting the finding (note that this finding should be made by the RE, and not by third party contractors). Compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**c.** Is the project located within 750 feet of habitat for federally-listed species or 300 feet of mapped wetlands, wildlife refuges, fish hatcheries, wildlife management areas, or related significant fish and wildlife resources?

Yes  No

If Yes, conduct special studies by a qualified professional to determine whether the project may affect the species or habitat to support a May Effect finding.



If No, continue below

- d.** Does the project constitute a major construction activity (a major Federal action that modifies the physical environment and would normally require the preparation of an EIS)?

Yes  No

**If Yes,** formal consultation with the Services is required in accordance with procedural regulations contained in 50 CFR Part 402. Mark box “B” on the Statutory Checklist for this authority.

**If No,** continue.

- e.** If federally protected species or critical habitat have been identified within the project area, has a special study been conducted by a qualified professional to determine the effects of the project on each species and critical habitat?

Yes  No

**If Yes,** continue.

**If No,** a special study should be conducted to determine the effects of the project on federally protected species and critical habitat. Continue.

- f.** Has the RE made a determination based on professional findings that the project is “Not Likely to Adversely Affect” any federally protected (listed or proposed) threatened or endangered species (i.e., plants or animals, fish, or invertebrates), nor adversely modify critical habitats?

Yes  No

**If Yes,** Service’s concurrence with findings is required. Mark box “B” on the Statutory Checklist for this authority.

**If No,** continue.

- g.** Has the RE determined based on professional findings that the project “May Affect” federally protected (listed or proposed) threatened or endangered species (i.e., plants or animals, fish, or invertebrates), or adversely modify critical habitats?

Yes  No

**If Yes,** formal consultation is required with the Services, in accordance with procedural regulations contained in 50 CFR Part 402, which mandates formal consultation in order to preserve the species. Mark box “B” on the Statutory Checklist for this authority.

**If No,** contact your FEO for assistance in determining impacts to federally protected species and critical habitat.

Comments:

Cite and attach source documentation: (Memorandum to the file by the RE supporting the finding of “No Effect.” Concurrence memo from one or both of the Services for a finding of

“Not Likely to Adversely Affect.” Biological Opinion from one or both of the Services for a finding of “May Affect.”)

For additional information see: (The Endangered Species Act of 1973 (16 U.S.C. 1531 *et seq.* as amended: particularly Section 7 (b) and (c). 50 CFR 402).

USFWS ESA Species Search:

<http://www.FWS.gov/endangered/species/index.html>

NMFS ESA Species Search:

<http://www.nmfs.noaa.gov/pr/species/esa/>

USFWS Critical Habitat Maps:

<http://crithab.FWS.gov/>

NMFS Critical Habitat Maps:

<http://www.nmfs.noaa.gov/pr/species/criticalhabitat.htm>

Endangered Species Consultation Handbook:

[http://www.nmfs.noaa.gov/pr/pdfs/laws/esa\\_section7\\_handbook.pdf](http://www.nmfs.noaa.gov/pr/pdfs/laws/esa_section7_handbook.pdf)

## 7. §58.5(f) Wild and Scenic Rivers [36 CFR Part 297]

- a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?  
 Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Is the project is located within one (1) mile of a designated Wild & Scenic River, or river being studied as a potential component of the Wild & Scenic River system or an inventory river?  
 Yes  No

**If Yes**, determination from the National Park Service (NPS) must be obtained, with a finding that the project will not have a direct and adverse effect on the river nor invade or diminish values associated with such rivers. For NRI Rivers, consultation with NPS is recommended to identify and eliminate direct and adverse effects. Mark box “B” on the Statutory Checklist for this authority.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Maps noting project location and showing proximity to protected rivers. Relevant determinations or results of consultation)

For further information see:

National Park Service:

Designated Rivers <http://www.rivers.gov/rivers/map.php>

Study Rivers <http://www.rivers.gov/rivers/study.php>

National River Inventory (NRI) listed rivers: <http://www.nps.gov/ncrc/programs/rtca/nri/>

**8. §58.5(g) Air Quality [40 CFR Parts 6, 51, 61 and 93]**

- a. Does the project involve demolition or renovation of buildings likely to contain asbestos containing materials?

Yes  No

**If Yes**, ensure the project is in compliance with EPA's Asbestos regulations found at 40 CFR Part 61 (NESHAP) and all State and local regulations. Continue below.

**If No**, continue.

- b. Does the project require an environmental assessment or environmental impact statement?

Yes  No

If Yes, continue.

If No, compliance with CAA State Implementation Plan factor is complete. Mark Box A on the Statutory checklist.

- c. Does the project involve five or more dwelling units, acquisition of undeveloped land, a change of land use, demolition, major rehabilitation, or new construction?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- d. Is the project located in a Non-Attainment area?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- e. Is the project consistent with the air quality State Implementation Plan (SIP)?

Yes  No

If **Yes**, obtain letter of consistency showing that the project is consistent with the SIP. Compliance is complete. Mark box "B" on the Statutory Checklist for this authority.

**If No**, continue.

- f. Has EPA determined that the proposed activity is one that requires a permit under the SIP?

Yes  No

**If Yes**, continue.

**If No**, compliance is complete. Mark box "B" on the Statutory Checklist for this authority.

- g.** Will project exceed any of the *de minimis* emissions levels of all non-attainment and maintenance level pollutants or exceed the screening level established by the state or air quality management district?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box "B" on the Statutory Checklist for this authority. Attach all documents used to make your determination (See Conformity determination thresholds at 40 CFR 93.153(b) Include engineering/construction assessments of emissions during construction and operating phases).

- h.** Can project be brought into compliance through mitigation?

Yes  No

**If Yes**, list mitigation measures required to achieve conformance with SIP in the mitigation section of the Statutory Checklist. Mark box "B" on the Statutory Checklist for this authority.

**If No**, Federal assistance may not be used at this location.

Comments:

Cite and attach source documentation: (Letter of consistency with SIP, assessment of emissions, air permits received, mitigation measures taken, etc.)

For further information see:

The Green Book Nonattainment Areas for Criteria Pollutants:

<http://www.epa.gov/oar/oaqps/greenbk/>

Region 6 Air State Implementation Plans:

<http://www.epa.gov/region6/6pd/air/pd-l/sip.htm>

## **9. §58.5(h) Farmlands Protection [7 CFR Part 658]**

- a.** Does the project involve acquisition of undeveloped land, conversion of undeveloped land, new construction or site clearance?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- b.** Is project located in an area committed (zoned) to urban uses?

Yes  No

**If Yes**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**If No**, continue.

- c. Does the project site include prime or unique farmland, or other farmland of statewide or local importance as identified by the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) (formerly the Soil Conservation Service)?

Yes  No

**If Yes**, request evaluation of land type from the NRCS using Form AD-1006, and consider the resulting rating in deciding whether to approve the proposal, as well as mitigation measures (including measures to prevent adverse effects on adjacent farmlands). Mark box “B” on the Statutory Checklist for this authority. Include mitigation measures in the mitigation section of the Statutory Checklist.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Zoning map with project location noted. Form AD-1006 from NRCS.)

For additional information see:

NRCS Soil Maps:

<http://websoilsurvey.nrcs.usda.gov/app/>

Form AD-1006 and instructions:

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1045394.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf)

Farmland Protection Policy Act

[http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/alphabetical/fppa/?&cid=nrcs143\\_008275](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/alphabetical/fppa/?&cid=nrcs143_008275)

#### 10. §58.5(i) (1) Noise Abatement and Control [24 CFR Part 51B]

- a. Does the project involve a noise sensitive use such as a residential structure, school, hospital, nursing home, library, etc.?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Is the project located within:

- 15 miles of a civilian or military airfield with more than 9,000 carrier operations annually;

Yes  No

- 1000 feet of a major highway or busy road;

Yes  No

- within 3000 feet of a railroad.

Yes  No

**If Yes to any the above**, complete a noise calculation assessment. Use adopted DNL contours if the noise source is an airport. Continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- c. Do noise calculations or airport noise contour maps indicate noise levels above 65dB (outside)?

Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- d. Do noise calculations or airport noise contour maps indicate noise levels above 75dB (outside)?

Yes  No

**If No**, for projects in the normally unacceptable zone (65dB – 75dB), noise attenuation measures are strongly encouraged for rehabilitation and required for new construction to reduce noise levels to below 65dB (outside). Mark box “B” on the Statutory Checklist for this authority. List all attenuation measures in the mitigation section of the Statutory Checklist.

**If Yes**, HUD assistance for the construction of new noise sensitive uses is generally prohibited for projects with unacceptable noise exposure (>75dB). Noise attenuation measures are strongly encouraged for rehabilitation projects with unacceptable noise exposure to reduce noise levels to below 65dB (outside). Mark box “B” on the Statutory Checklist for this authority. List all attenuation measures in the mitigation section of the Statutory Checklist.

Comments:

Cite and attach source documentation: (Maps with project location indicating distance from noise sources. DNL calculations and/or NAG worksheets.)

For more information see:

HUD noise guidebook:

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/trainin/g/guidebooks/noise](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/trainin/g/guidebooks/noise)

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/review/noise](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/noise)

<http://www.hud.gov/offices/cpd/environment/dnlcalculator.cfm>

<http://www.hud.gov/offices/cpd/environment/mitigation.cfm>

<http://portal.hud.gov/hudstracat/noiseCalcEntry.jsp>

FAA:

[http://www.faa.gov/airports/planning\\_capacity/npas/reports/](http://www.faa.gov/airports/planning_capacity/npas/reports/)

**11. §58.5(i) (1) Explosive and Flammable Operations [24 CFR 51C]**

- a.** Does the project involve development, construction, rehabilitation, modernization or land use conversion of a property intended for residential, institutional, recreational, commercial, or industrial use?  
 Yes  No

**If Yes**, continue.

**If No**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b.** Was a field observation performed by a qualified professional which documents there are above ground storage tanks within line of site of the project?  
 Yes  No

- c.** Is the project site within 1 mile of current or planned stationary aboveground storage tanks of more than 100 gallon capacity, containing common liquid industrial fuels OR of any capacity, containing hazardous liquids or gases, that are not liquid industrial fuels?  
 Yes  No

- d.** Are industrial facilities handling explosive or fire-prone materials such as liquid propane, gasoline or other storage tanks adjacent to or visible from the project site?  
 Yes  No

**If Yes to any of b – d above**, use HUD Hazards Guide to calculate an Acceptable Separation Distance to comply with 24 CFR Part 51, Subpart C. Continue.

**If No to all of b – d above**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- e.** Is the project located at an Acceptable Separation Distance from any above-ground explosive or flammable fuels or chemicals containers as calculated above?  
 Yes  No

**If Yes**, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**If No**, continue.

- f.** Can mitigation measures, such as construction of a barrier of adequate size and strength, reduce the blast overpressure or thermal radiation hazard to protect the project (per 24 CFR §51.205)?  
 Yes  No

**If Yes**, Mark box “B” on the Statutory Checklist for this authority. List all mitigation measures in the mitigation section of the Statutory Checklist.

**If No**, HUD assistance cannot be used for this project.

Comments:

Cite and attach source documentation: (Maps with project location noted showing distance from explosives and flammable operations. ASD calculations/worksheet.)

For additional information see:

HUD Guidance on Siting Projects near Explosive and Flammable Facilities:

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/review/explosive](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/explosive)

Acceptable Separation Distance Guidebook :

<http://portal.hud.gov/hudportal/documents/huddoc?id=HUD-Guidebook.pdf>

Barrier Design Guidance for HUD Assisted Project Near Hazardous Facilities:

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/training/guidebooks/hazfacilities](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/training/guidebooks/hazfacilities)

## **12. §58.5(i) (1) Airport Hazards [24 CFR 51D]**

- a.** Will the project use HUD assistance, subsidy or insurance for construction; land development; community development or redevelopment; substantial modernization and rehabilitation which prolongs the physical or economic life of existing facilities; provide facilities and services which make land available for construction; change the use of a facility; increase the unit density or number of people at the site?  
 Yes  No

If **Yes**, continue.

If **No**, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- b.** Is the property within 2,500 feet of a civilian airport, the Runway Clear Zone (RCZ)?  
 Yes  No

- c.** Is the project is within 15,000 feet of a military airfield, the Clear Zone (CZ) or Accident Potential Zone (APZ)?  
 Yes  No

If **Yes** to either of the above questions, request a written finding from the airport operator stating whether or not the project is located in a RCZ, CZ or APZ. Continue.

If **No** to both of the above questions, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.



- d.** If the project is within 15,000 feet of a military airfield or within 2,500 feet of a civilian airport, did your written confirmation from the airport operator confirm that the project is located in a RCZ, CZ or APZ?
- Yes  No

If **Yes**, continue.

If **No**, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- e.** If the project is located in a military airfield APZ, is the project consistent with the Land Use Compatibility Guidelines for Accident Potential Zones (32 CFR Part 256, DOD Instruction 4165.57).
- Yes  No

If **Yes**, attach copy of written assurance from airport operator. Mark box "B" on the Statutory Checklist for this authority.

If **No**, HUD funds may not be used for this project.

- f.** If the project is in a RCZ/CZ will the project be frequently used or occupied by people?
- Yes  No

If **Yes**, HUD funds may not be used for this project.

If **No**, continue.

- g.** If the project will not frequently be used by people, has the airport operator provided a written statement that there are no plans to purchase the land involved with such facilities as part of an RCZ/CZ acquisition program?
- Yes  No

If **Yes**, attach copy of written assurance from airport operator. Mark box "B" on the Statutory Checklist for this authority.

If **No**, HUD funds may not be used for this project.

Comments:

Cite and attach source documentation: (Map with project location noted showing the distance from civilian airports and/or military airfields. Written confirmation from airport operating stating whether or not project is located in a RCZ, CZ or APZ. Written assurance from airport operator on purchase of property.)

For further information see:

Airport Information: <http://www.airnav.com/airports/>

HUD Airport Hazards Q&A:

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/review/qa/airport](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/qa/airport)

### 13. §58.5(i) (2) Contamination and Toxic Substances

- a. Is the property located within the search distances of any of the types of environmental contamination sources?

<b>Standard Environmental Record Sources</b>	<b>Approximate Minimum Search Distance (mi)</b>	<b>Yes</b>	<b>No</b>
Federal National Priorities List (NPL)	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Delisted NPL Site List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Site List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Correction Action (CORRACTS) Facilities List	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Non-CORRACTS Treatment, Storage and Disposal (TSD) Facilities List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Generators List	Property/Adjoining Properties	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Institutional Control/Engineering Control Registries	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Emergency Response and Notification System (ERNS) List	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>

State- and Tribal-Equivalent NPL	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State- and Tribal-Equivalent CERCLIS	0.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Leaking Storage Tank Lists	0.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State and Tribal Registered Storage Tank Lists	Property/Adjoining Properties	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Institutional Control/Engineering Control Registries	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Voluntary Cleanup Sites	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Brownfield Sites	0.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**b. Did a visual inspection of the site show the following?**

	Yes	No
Distressed vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vent or Fill Pipes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Storage Oil Tanks or Questionable Containers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pits, Ponds or Lagoons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stained Soil or Pavement (other than water stains)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pungent, Foul or Noxious Odors	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dumped Material or Soil, Mounds of Dirt, Rubble, Fill, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**c. Has the property ever been used for any of the following types of uses?**

	Yes	No		Yes	No
Gas Station	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vehicle Repair Shop	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Car Dealership	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Auto Garage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Depot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Commercial Printing Facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Industrial or commercial warehouses	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dry Cleaners	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Photo Developing Laboratory	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hospital	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Junkyard or landfill	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Agricultural/Farming Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Yes	No		Yes	No
Gas Station	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vehicle Repair Shop	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tannery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Livestock Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- d. Does the project have an underground storage tank other than a residential fuel tank, or known or suspected to be contaminated by toxic chemicals or radioactive materials?  
 Yes  No

- e. Is the project site near an industry disposing of chemicals or hazardous wastes?  
 Yes  No

**If Yes to any of the above,** a qualified environmental professional must undertake investigations necessary to ensure that the project is free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances such that there is no hazard which could affect the health and safety of occupants or conflict with the intended utilization of the property. Continue.

**If No to all of the above,** compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

- f. Could nearby toxic, hazardous or radioactive substances affect the health and safety of project occupants or conflict with the intended use of the property?  
 Yes or  No

- g. Are there unresolved concerns that could lead to the RE being determined to be a Potentially Responsible Party (PRP)?  
 Yes  No

**If Yes,** continue.

**If No,** provide written documentation from a qualified environmental professional which documents that identified potential sources of contamination does not pose a hazard which would restrict the intended uses of the property or to the occupants.

- h. Was an ASTM Phase I Environmental Site Assessment (ESA) report completed for this project? (Note: HUD regulations do not require an ASTM Phase I ESA report for single family homes of 1-4 units. HUD requires an ASTM Phase I ESA for multifamily (5 or more units) and/or Non-residential properties for environmental review prepared under Part 50.)  
 Yes  No

- i. Did the ASTM Phase I ESA or other documentation uncover any Recognized Environmental Conditions (RECs) or recommend a Phase II, special/specific Phase II, or recommend Phase III environmental site assessments?  
 Yes  No

**If Yes, continue.**

**If No, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.**

- j. Do ESAs or other documentation conclude that nearby toxic, hazardous or radioactive substances could affect the health and safety of project occupants or conflict with the intended use of the property?

Yes or  No

**If Yes, continue below.**

**If No, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.**

- k. Did any of the ESA reports or other documentation identify the need to mitigate the environmental condition by removing, stabilizing or encapsulating the toxic substances in accordance with the requirements of the appropriate Federal, state or local oversight agency?

Yes  No

**If Yes, continue.**

**If No, compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.**

- l. Can all adverse environmental conditions identified in any of the ESAs or other documentation be mitigated?

Yes  No

**If Yes, compliance with this section is complete. List specific remedial actions or mitigations in the mitigation section of the Statutory Checklist, according to the requirements of the appropriate Federal, state, or local oversight agency. Mark box “B” on the Statutory Checklist for this authority.**

**If No, HUD cannot provide assistance for the project at this site.**

Comments:

Cite and attach source documentation: (Maps showing project distance to contaminated sites. Phase I (ASTM) Report. All ESAs and mitigation plans performed for this project.)

For additional information see:

HUD Information on Hazardous, Toxic or Radioactive Substances

[http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/comm\\_planning/environment/review/hazardous](http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/hazardous)

NEPAssist: <http://134.67.99.123/nepassist/entry.aspx>

EPA Envirofacts Data:

<http://www.epa.gov/enviro/>

EPA Toxic Release Inventory (TRI):

[http://www.epa.gov/enviro/html/toxic\\_releases.html](http://www.epa.gov/enviro/html/toxic_releases.html)

EPA Maps:

<http://www.epa.gov/emefdata/em4ef.home>

EPA CERCLIS/NPL – Superfund database:

<http://www.epa.gov/superfund/sites/query/basic.htm>

ATSDR “ToxFAQs” summaries about hazardous substances:

<http://www.atsdr.cdc.gov/toxfaqs/index.asp>

Right-To-Know Network: <http://www.rtknet.org/>

#### 14. §58.5(j) Environmental Justice (E.O. 12898)

- a. Is the project located in or designed to serve a predominantly minority and low-income neighborhood?  
 Yes  No

**If Yes,** continue.

**If No,** compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

- b. Would there be an adverse environmental impact caused by the proposed action, or would the proposed action be subject to an existing adverse environmental impact?  
 Yes  No

**If No,** compliance with this section is complete. Mark box “A” on the Statutory Checklist for this authority.

**If Yes,** perform an Environmental Justice (EJ) analysis using census, geographic and other data to determine if a low-income/minority population is disproportionately impacted. Continue.

- c. Will the adverse environmental impact of the proposed action disproportionately impact minority and low-income populations relative to the community-at-large?  
 Yes  No

**If Yes,** Mitigation or avoidance of adverse impacts must be considered to the extent practicable; and, public participation processes must involve the affected population(s) in the decision-making process. Continue.

**If No,** compliance with this section is complete. Document the determination of no disproportionate impacts. Mark box “A” on the Statutory Checklist for this authority.

- d. Has the mitigation plan been approved by the RE and the impacted community?  
 Yes  No

**If Yes,** compliance with this section is complete. Include mitigation plan in the mitigation section of the Statutory Checklist. Mark box “B” on the Statutory Checklist for this authority.

**If No,** Project cannot move forward until EJ issue is mitigated to the satisfactory of the RE and impacted community.

Comments:

Cite and attach source documentation: (Mapping of low-income and minority populations in the vicinity of the project site. EJ analysis. Mitigation Plan.)

For additional information see:

EJ maps & analysis, by location:

<http://www.scorecard.org/community/ej-index.tcl>

EPA's "EJ View" Tool provides information relevant to EJ assessments:

<http://epamap14.epa.gov/ejmap/entry.html>

Census data and maps also available at:

<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>

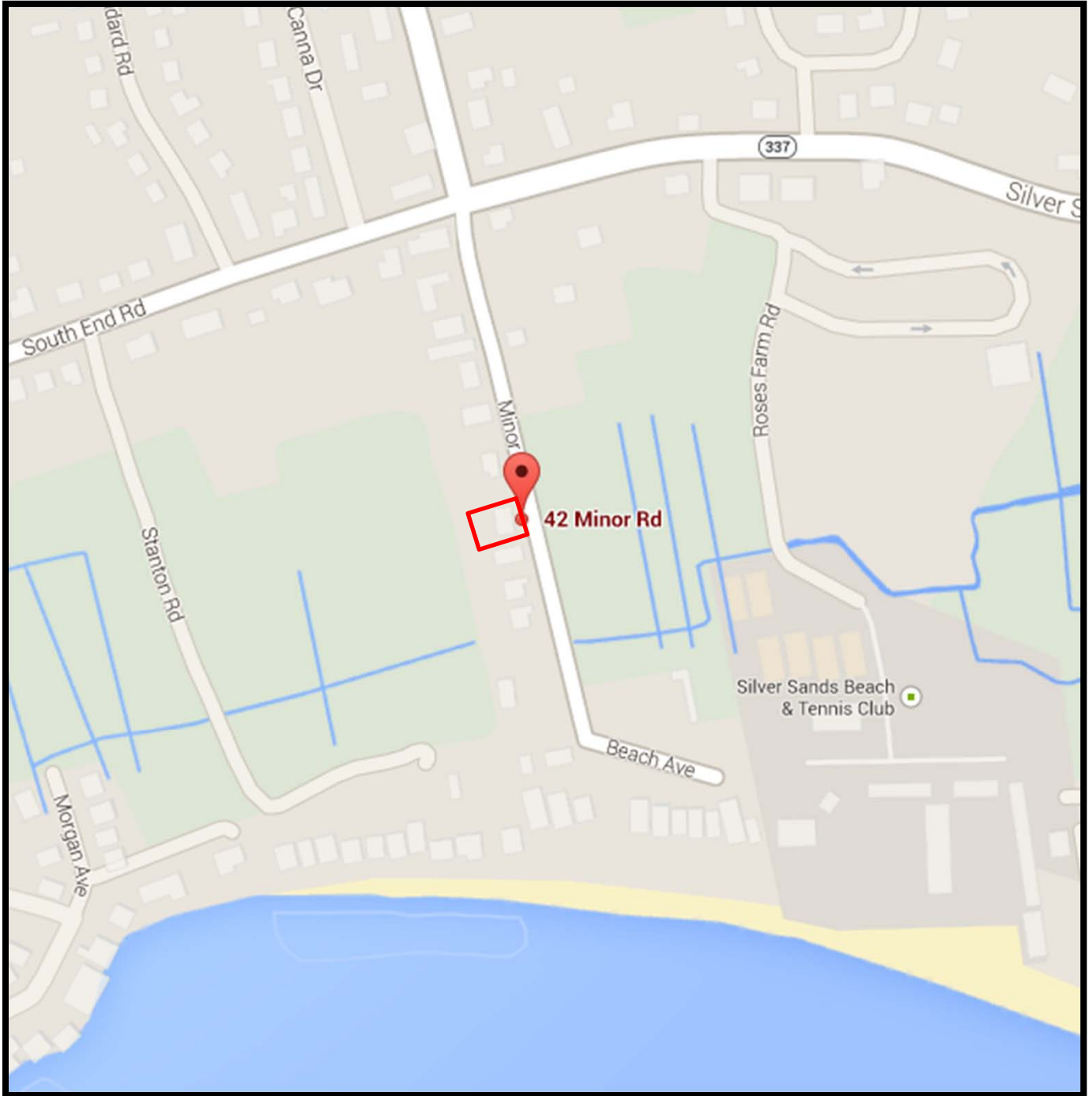
Tract-level data on race & income:

<http://www.ffiec.gov/geocode>

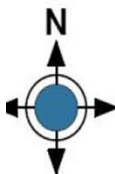
## Appendix B

### Project Location and Vicinity Maps





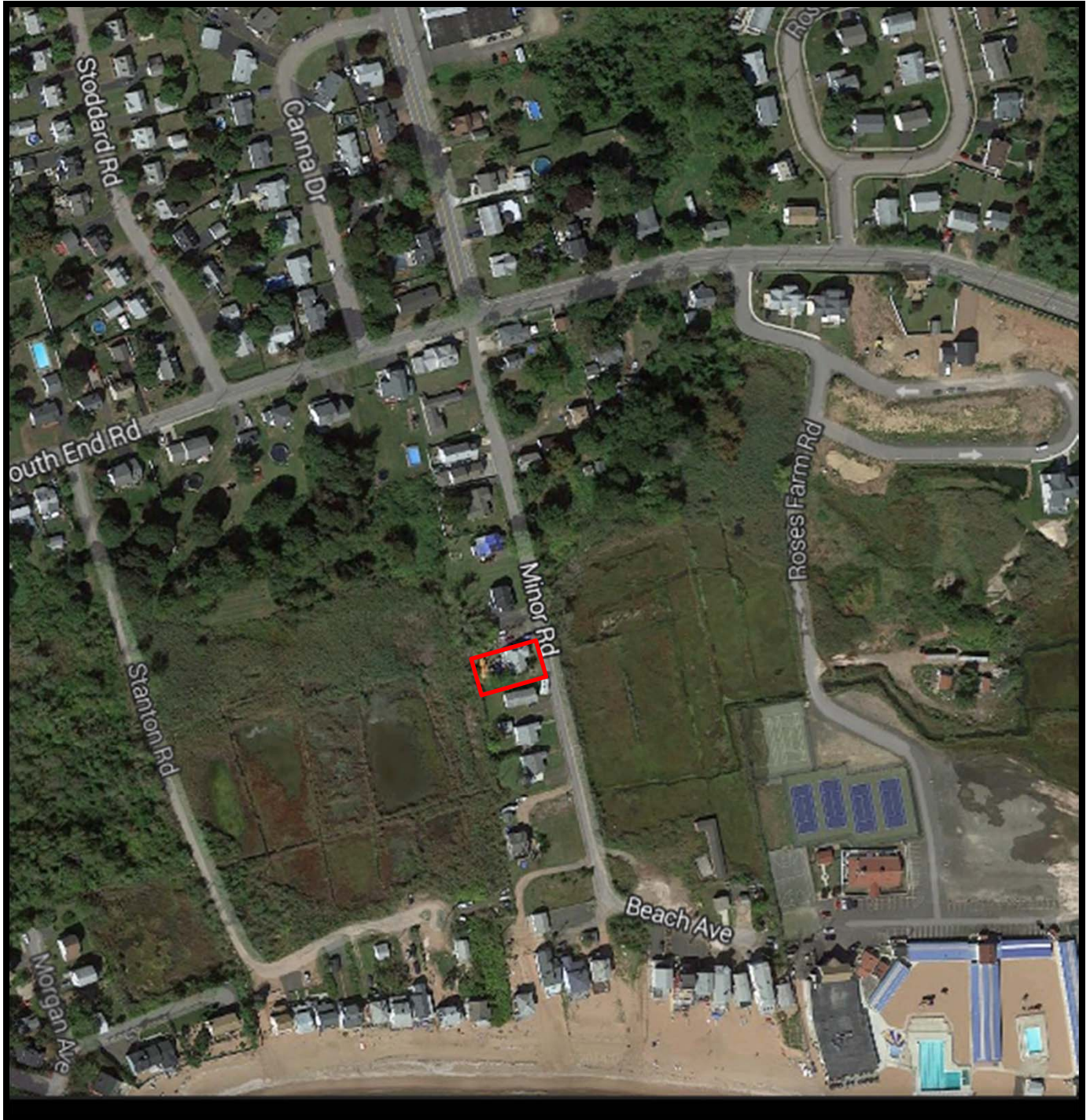
**Prepared For:**  
**Residence of Martin Patricelli**  
**42 Minor Road**  
**East Haven, CT**



Not to Scale

**Figure 1**

**Site Location Plan**



**Prepared For:**  
**Residence of Martin Patricelli**  
**42 Minor Road**  
**East Haven, CT**



Not to Scale

**Figure 2**

Site Vicinity Map

## Appendix C

### Resource Maps and Supporting Documents



# COASTAL BOUNDARY EAST HAVEN, CONNECTICUT

## LEGEND

 Coastal Boundary

## EXPLANATION

The coastal boundary map shows the extent of lands and coastal waters as defined by Connecticut General Statute within Connecticut's coastal area. The coastal boundary is a continuous line delineated on the landward side by the interior contour elevation of the one hundred year frequency coastal flood zone, as defined and determined by the National Flood Insurance Act, or a one thousand foot linear setback measured from the mean high water mark in coastal waters, or a one thousand foot linear setback measured from the inland boundary of tidal wetlands, whichever is farthest inland; and shall be delineated on the seaward side by the seaward extent of the jurisdiction of the state.

Any regulated activity conducted within the coastal boundary by a municipal agency (i.e., plans of development, zoning regulations, municipal coastal programs and coastal site plan review (i.e., site plans submitted to zoning commission, subdivision or subdivision plans submitted to planning commission, application for special permit or exception to the zoning or planning commissions or zoning board of appeals, variance submitted to

zoning board of appeals and a referral of a municipal project)) must be conducted in a manner consistent with the requirements of the Connecticut Coastal Management Act (CMA). As the Coastal Boundary is a hybrid of the Coastal Area, all state and federal agency activities must be consistent with the requirements of the CMA. The coastal boundary is a hybrid of the original 1:24,000 version maps prepared by DEP and the revised boundary mapping undertaken by twenty-two coastal towns. This layer therefore does not replace the legal maps and may not be used for legal determinations.

The following twenty-two towns have adopted municipal coastal boundaries: Chester, Clinton, Darien, Deep River, East Haven, Essex, Fairfield, Greenwich, Groton, Guilford, Hamden, Ledyard, Madison, Milford, New Haven, New London, North Haven, Norwalk, Old Lyme, Old Saybrook, Stamford and Waterford. The coastal boundary maps for these towns may be at different scales than the original DEP draft maps and may contain minor adjustments to the boundary.

## DATA SOURCES

**COASTAL BOUNDARY DATA** - The original boundary maps were created in 1979 on stable mylar overlay using the 1:24,000-scale US Geological Survey topographic quadrangle maps (mylar film format). The source for tidal wetland maps were the legal 1:24,000 maps (mylar format) adopted by the Commissioner of DEP and transformed to 1:24,000 mylar-scale maps by the Office of Policy and Management (OPM) using an accurate pantograph. OPM similarly converted FEMA's flood insurance maps (various scales) to a 1:24,000 mylar overlay. The inland extent of coastal waters was plotted on 1:24,000 USGS topographic maps following the procedures and sources described in The Boundary Between Saltwater and Freshwater in Connecticut, December 1978 prepared by the State of Connecticut, Department of Environmental Protection, Coastal Area Management Program.

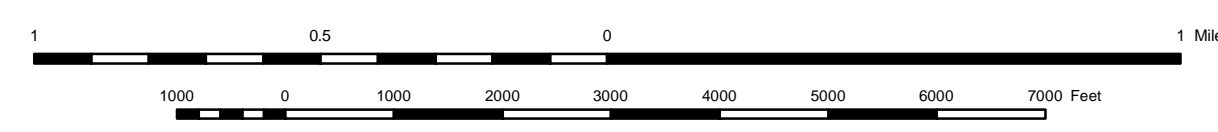
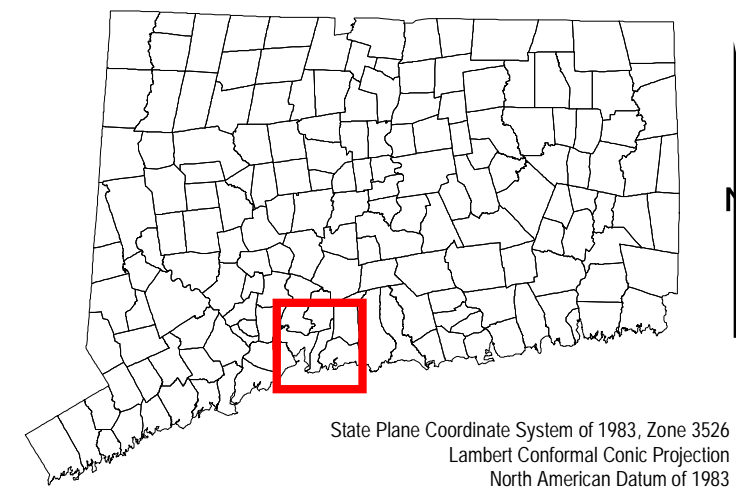
**BASE MAP DATA** - Based on data originally from 1:24,000-scale USGS 7.5 minute topographic quadrangle maps published between 1969 and 1992. It includes political boundaries, railroads, airports, hydrography, geographic names and geographic places. Streets and street names are from Tele Atlas® copyrighted data. Base map information is neither current nor complete.

### RELATED INFORMATION

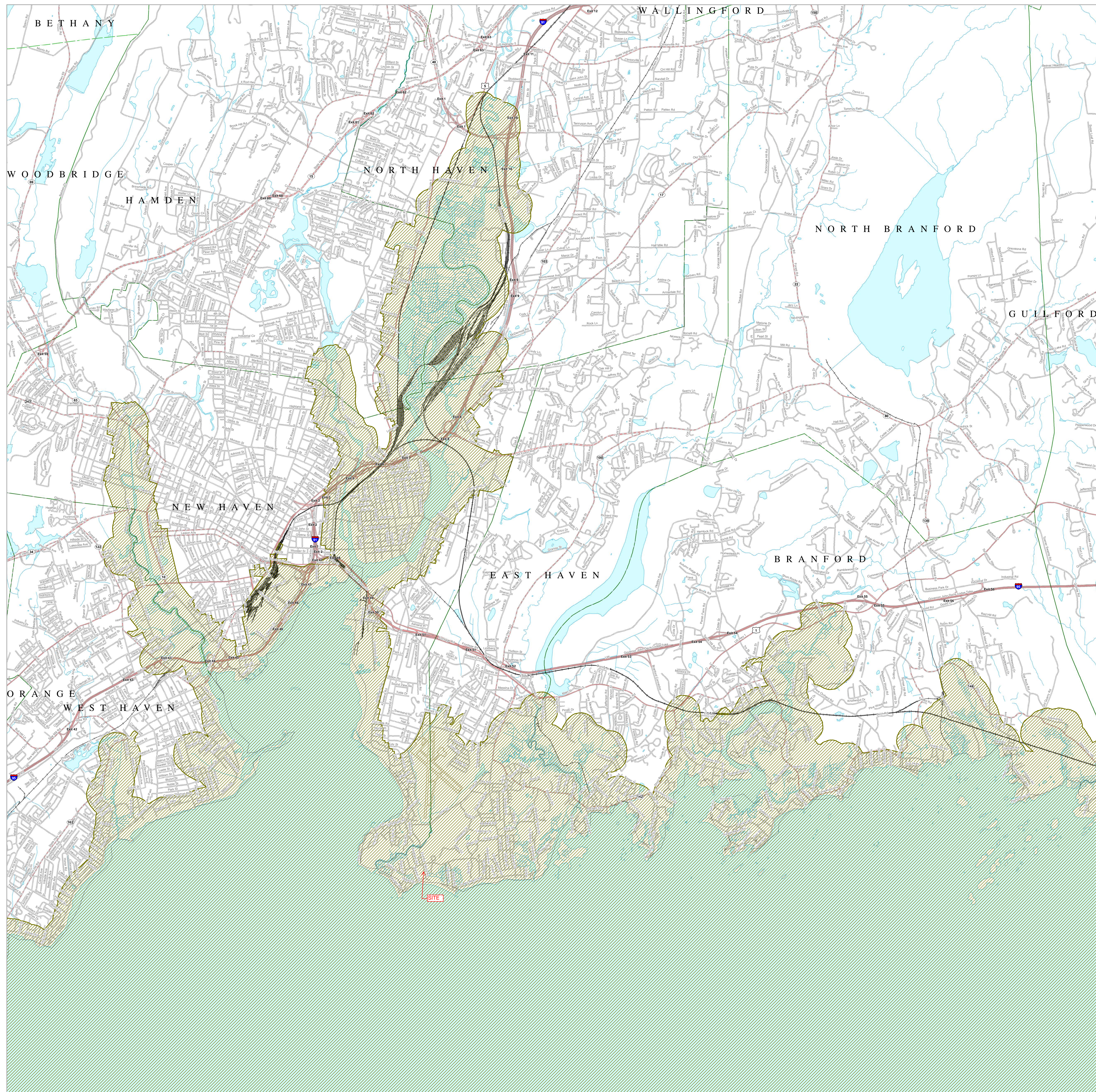
This map is intended to be printed at its original dimensions in order to maintain the 1:24,000 scale (1 inch = 2000 feet).

**MAPS AND DIGITAL DATA** - Go to the CT ECO website for this map and a variety of others. Go to the DEEP website for the digital spatial data shown on this map.

### MAP LOCATION



SCALE 1:24,000 (1 inch = 2000 feet) when map is printed at original size







# Natural Diversity Data Base Areas

## EAST HAVEN, CT

December 2013

-  State and Federal Listed Species & Significant Natural Communities
-  Town Boundary

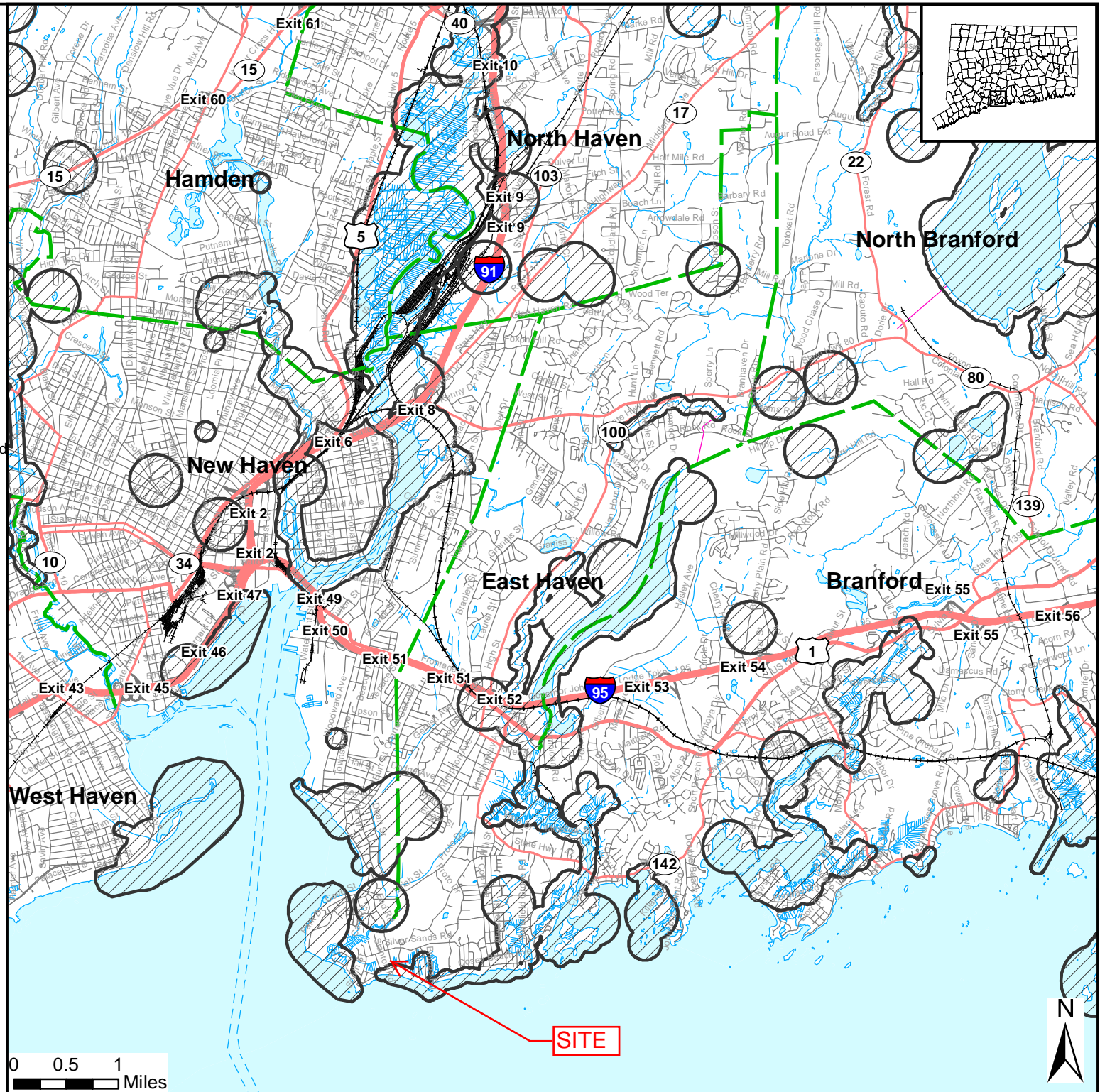
NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

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

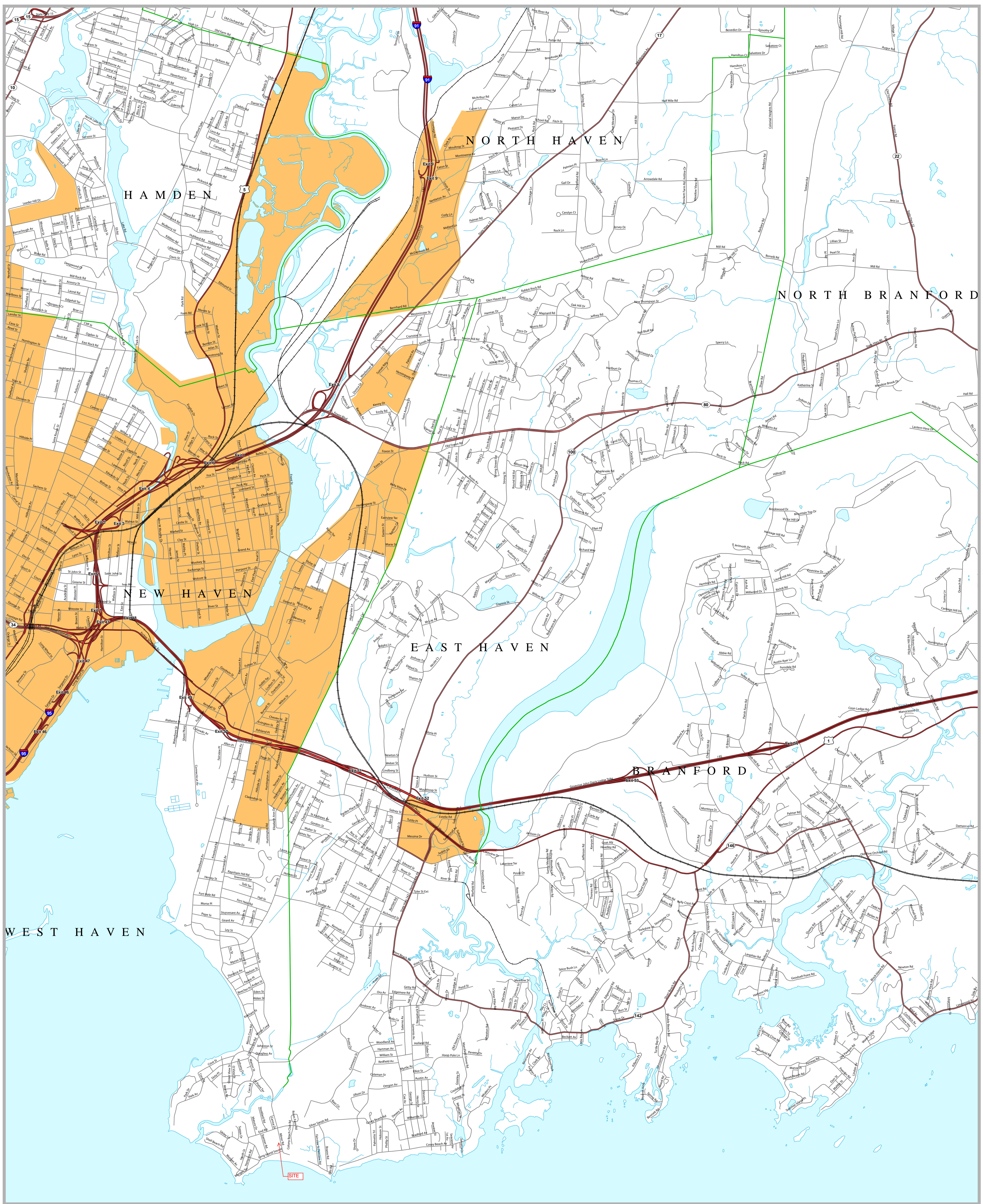
This file has PDF Layers. Look for the Layers tab on the left. Expand the layers and use the "eye" icons to change visibility.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)  
79 Elm St., Hartford CT 06106  
Phone (860) 424-3011



Connecticut Department of  
Energy & Environmental Protection  
Bureau of Natural Resources  
Wildlife Division





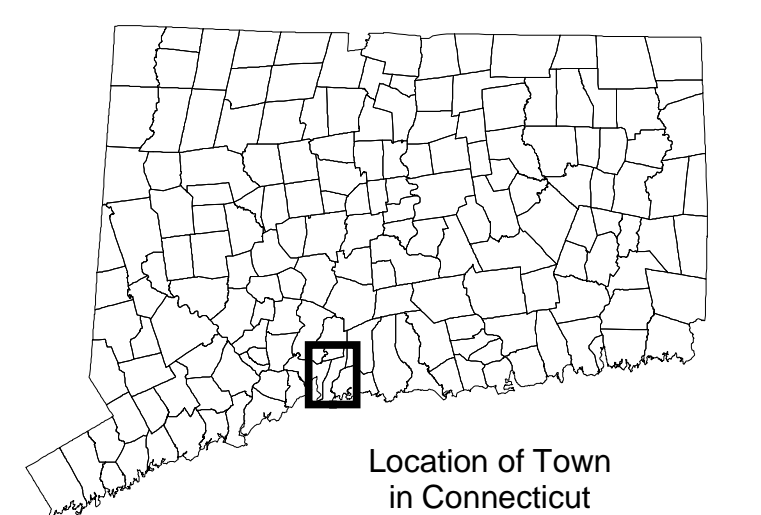
# Environmental Justice Communities

## EAST HAVEN, CT

Low Income Communities  
 Town Boundary

This map shows a municipality having U.S. census block groups with 30% of their population living below 200% of the federal poverty level.

Note: The applicable facilities must be located directly in the defined census block or in a municipality on the CT Department of Economic and Community Development list of distressed municipalities to be considered under Public Act 08-94 and the Environmental Justice Policy.





**Patricilli Residence**

42 Minor Road  
East Haven, CT 06512

Inquiry Number: 3885578.8s  
March 19, 2014

**EDR NEPACheck®**

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

<b>Section</b>	<b>Regulation</b>
<b>Natural Areas Map</b>	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
<b>Historic Sites Map</b>	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
<b>Flood Plain Map</b>	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
<b>Wetlands Map</b>	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
<b>FCC &amp; FAA Map</b>	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
<b>Key Contacts and Government Records Searched</b>	

# MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 62 of this report.

## TARGET PROPERTY ADDRESS

PATRICILLI RESIDENCE  
42 MINOR ROAD  
EAST HAVEN, CT 06512

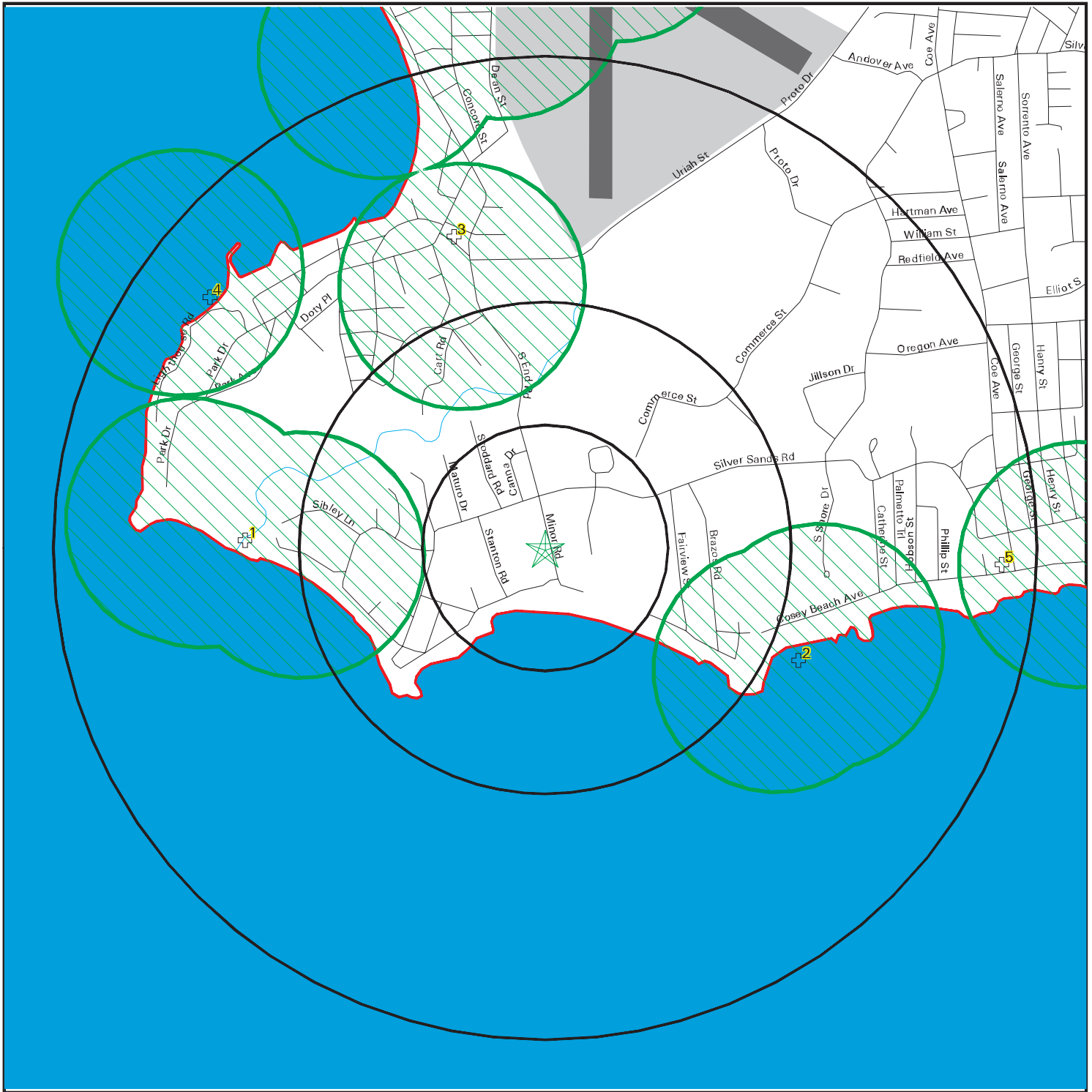
Inquiry #: 3885578.8s  
Date: 3/19/14

## TARGET PROPERTY COORDINATES

Latitude (North): 41.246498 - 41° 14' 47.4"  
Longitude (West): 72.888496 - 72° 53' 18.6"  
Universal Tranverse Mercator: Zone 18  
UTM X (Meters): 676927.2  
UTM Y (Meters): 4568059.0

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<b><u>NATURAL AREAS MAP</u></b>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	CT Natural Diversity	1.00	YES	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<b><u>HISTORIC SITES MAP</u></b>				
1.1307a (4) Listed or eligible for National Register	CT Historic Sites	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
	Indian Reservation	1.00	NO	NO
	APPAL_TRAIL	1.00	NO	NO
<b><u>FLOODPLAIN MAP</u></b>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
<b><u>WETLANDS MAP</u></b>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
	NY COASTAL ZONE	20.00	YES	NO
<b><u>FCC &amp; FAA SITES MAP</u></b>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	YES	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	YES	---
	Power Lines	1.00	NO	---

# Natural Areas Map



- ★ Target Property
- ⊕ Locations
- ⚡ Roads
- ▨ Federal Areas
- ⚡ County Boundary
- ⚡ Federal Linear Features
- ⚡ Waterways
- ▨ State Areas
- Water
- ⚡ State Linear Features
- ✈ Airports



SITE NAME: Patricilli Residence  
 ADDRESS: 42 Minor Road  
 East Haven CT 06512  
 LAT/LONG: 41.2465 / 72.8885

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 3885578.8s  
 DATE: March 19, 2014

# NATURAL AREAS MAP FINDINGS

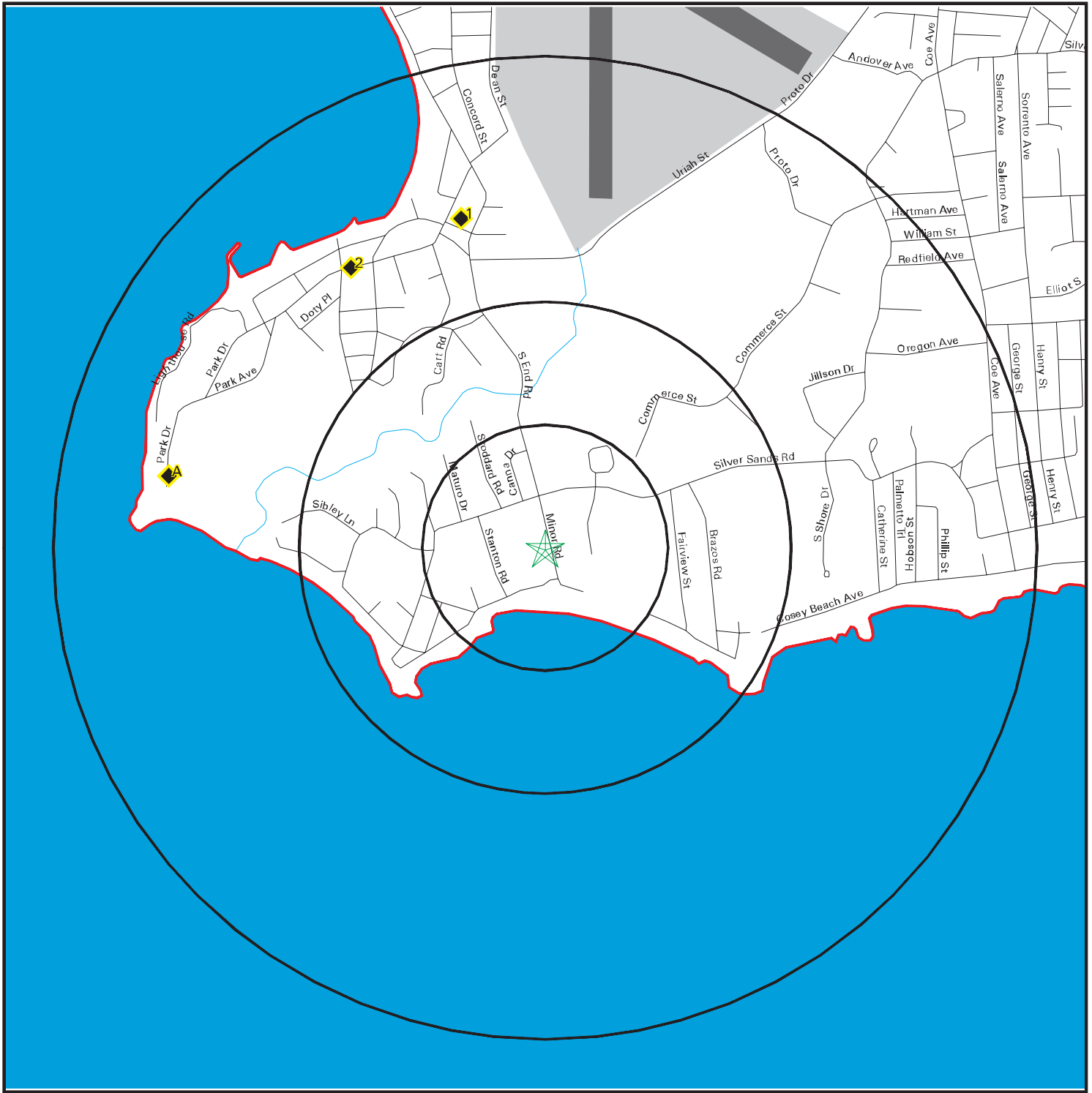
**Federal Endangered Species Listed for: NEW HAVEN County, CT.**

Source: EPA Endangered Species Protection Program Database

BIRD: EAGLE, BALD  
 BIRD: PLOVER, PIPING  
 BIRD: TERN, ROSEATE  
 BIRD: TERN, ROSEATE  
 MAMMAL: BAT, INDIANA

Map ID Direction Distance Distance (ft.)		EDR ID Database
1 West 1/8-1/4 mi 1298	Text: No details provided by source agency	CTEN000001 CT Natural Diversity
2 ESE 1/4-1/2 mi 1484	Text: No details provided by source agency	CTEN000001 CT Natural Diversity
3 NNW 1/4-1/2 mi 1629	Text: No details provided by source agency	CTEN000001 CT Natural Diversity
4 NW 1/2-1 mi 3590	Text: No details provided by source agency	CTEN000001 CT Natural Diversity
5 East 1/2-1 mi 4445	Text: No details provided by source agency	CTEN000001 CT Natural Diversity

# Historic Sites Map



- ★ Target Property
- ◇ Historic Sites
- ▬ Streets
- ▬ Federal Historic Areas
- ▬ County Boundary
- ▬ State Historic Areas
- ▬ Waterways
- ▬ US Indian Reservations
- ▬ Water
- ▬ Scenic Trail
- ✈ Airports



SITE NAME: Patricilli Residence  
 ADDRESS: 42 Minor Road  
 East Haven CT 06512  
 LAT/LONG: 41.2465 / 72.8885

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 3885578.8s  
 DATE: March 19, 2014

# HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
1 NNW 1/2-1 mi 3649	Resname: Address: City: Vicinity: County: State: Certdate: Multname: Acre:	Morris House 325 Lighthouse Rd. New Haven Not Reported New Haven CONNECTICUT 19721204 Not Reported 2.0+
		72001341 National Register of Hist. Places
2 NW 1/2-1 mi 3659	Fname: Address: Fcity: Fcnty: Flisted: Fagency: Edr id:	MORRIS HOUSE 325 Lighthouse Rd. NEW HAVEN NEW HAVEN COUNTY 04-DEC-72 Not Reported CT2008000001244
		CT2008000001244 CT Historic Sites
A3 West 1/2-1 mi 3994	Resname: Address: City: Vicinity: County: State: Certdate: Multname: Acre:	Lighthouse Point Carousel Lighthouse Point Park, Lighthouse Ave. New Haven Not Reported New Haven CONNECTICUT 19831215 Not Reported 0.9+
		83003578 National Register of Hist. Places
A4 WNW 1/2-1 mi 4234	Resname: Address: City: Vicinity: County:	Five Mile Point Lighthouse Lighthouse Point Park New Haven Not Reported New Haven
		90001108 National Register of Hist. Places

# HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

---

State: CONNECTICUT  
Certdate: 19900801  
Multname: Not Reported  
Acre: 0.9+

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Fname: AHAVAS SHOLEM SYNAGOGUE (HISTORIC SYNAGOGUES OF CONNECTICUT MPS)  
Address: 30 White St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 11-MAY-95  
Fagency: Not Reported  
Edr id: CT2008000001217

Unmappable  
CT2008000001217  
CT Historic Sites

---

Resname: Beaver Hills Historic District  
Address: Roughly bounded by Crescent St., Goffe Terr., and Boulevard  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19860731  
Multname: Not Reported  
Acre: 97.0+

Unmappable  
86002108  
National Register of Hist. Places

---

Fname: BEAVER HILLS HISTORIC DISTRICT  
Address: Roughly bounded by Crescent St., Goffe Ter., and Boulevard  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 31-JUL-86  
Fagency: Not Reported  
Edr id: CT2008000001218

Unmappable  
CT2008000001218  
CT Historic Sites

---

Fname: BLACKMAN, ELISHA BUILDING (York-Chapel Building)  
Address: 176 York St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 20-DEC-78  
Fagency: Not Reported  
Edr id: CT2008000001220

Unmappable  
CT2008000001220  
CT Historic Sites



## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Unmappable  
CT2008000001149  
CT Historic Sites

Fname: BRANFORD ELECTRIC RAILWAY HISTORIC DISTRICT (also in Branford)  
Address: 17 River St. to Court St.  
Fcity: EAST HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 03-JUN-83  
Fagency: Not Reported  
Eidr id: CT2008000001149

---

Unmappable  
84001123  
National Register of Hist. Places

Resname: Chapel Street Historic District  
Address: Roughly bounded by Park, Chapel, Temple, George, and Crown Sts.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19840405  
Multname: Not Reported  
Acre: 23.0+

---

Unmappable  
CT2008000001221  
CT Historic Sites

Fname: CHAPEL STREET HISTORIC DISTRICT  
Address: Roughly bounded by Park, Chapel, Temple, George, and Crown Sts.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 05-APR-84  
Fagency: Not Reported  
Eidr id: CT2008000001221

---

Unmappable  
CT2008000001222  
CT Historic Sites

Fname: CHITTENDEN, RUSSELL HENRY, HOUSE (John C. Flanagan Law Office)  
Address: 83 Trumbull St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 15-MAY-75  
Fagency: NHL  
Eidr id: CT2008000001222

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Unmappable  
CT2008000001224  
CT Historic Sites

Fname: CONNECTICUT HALL, YALE UNIVERSITY  
Address: Bounded by High, Chapel, Elm, and College Sts.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 15-OCT-66  
Fagency: NHL, HABS  
Edr id: CT2008000001224

Unmappable  
CT2008000001225  
CT Historic Sites

Fname: COOK, JOHN, HOUSE  
Address: 35 Elm St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 03-NOV-83  
Fagency: Not Reported  
Edr id: CT2008000001225

Unmappable  
83001281  
National Register of Hist. Places

Resname: Dwight Street Historic District  
Address: Roughly bounded by Park, N. Frontage, Scranton, Sherman, and Elm Sts.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19830908  
Multname: Not Reported  
Acre: 135.0+

Unmappable  
CT2008000001227  
CT Historic Sites

Fname: DWIGHT STREET HISTORIC DISTRICT  
Address: Roughly bounded by Park, N. Frontage, Scranton, Sherman, and Elm Sts.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 08-SEP-83  
Fagency: Not Reported  
Edr id: CT2008000001227

# UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Unmappable  
02000336  
National Register of Hist. Places

Resname: East Haven Green Historic District  
Address: 263,270,274 Hemingway Ave., 125,129,133,139,143,150 Main St.,  
3,7,11,15,23,27,39,47 Park Pl. & 58,100 River St.  
City: East Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 20020411  
Multname: Not Reported  
Acre: 28.0+

---

Unmappable  
CT2008000001150  
CT Historic Sites

Fname: EAST HAVEN GREEN HISTORIC DISTRICT  
Address: 263,270,274 Hemingway Ave. 125,129,133,139,143,150 Main St.  
3,7,11,15,23,27,39,47 Park Pl. & 58, 100 River St.  
Fcity: EAST HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 11-APR-02  
Fagency: Not Reported  
Fedr id: CT2008000001150

---

Unmappable  
97000299  
National Register of Hist. Places

Resname: East Rock Park  
Address: Roughly bounded by State, Davis, Livingston Sts., Park and Mitchell  
Drs., and Whitney Ave.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19970415  
Multname: Not Reported  
Acre: 427.0+

---

Unmappable  
CT2008000001228  
CT Historic Sites

Fname: EAST ROCK PARK (also in Hamden)  
Faddress: Roughly bounded by State, Davis, Livingston Sts., Park and Mitchell

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fcity: Drs., and Whitney Ave.  
NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 15-APR-97  
Fagency: Not Reported  
Edr id: CT2008000001228

Unmappable  
88001469  
National Register of Hist. Places

Resname: Edgerton  
Address: 840 Whitney Ave.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19880919  
Multname: Not Reported  
Acre: 20.0+

Unmappable  
86001991  
National Register of Hist. Places

Resname: Edgewood Park Historic District  
Address: Roughly bounded by Whalley Ave. and Elm St., Sherman Ave. and  
Boulevard, Edgewood and Derby, and Yale Aves.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19860909  
Multname: Not Reported  
Acre: 240.0+

Unmappable  
CT2008000001229  
CT Historic Sites

Fname: EDGEWOOD PARK HISTORIC DISTRICT  
Faddress: Roughly bounded by Boulevard, Derby, Sherman, W. Park, Whalley, and  
Yale Aves. and Elm St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 09-SEP-86  
Fagency: Not Reported  
Edr id: CT2008000001229

Unmappable  
CT2008000001231  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Fname: FARMINGTON CANAL (New Haven and Northampton Canal)  
Address: Runs roughly southeast through the city from Cherry Ann St. to State St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 12-SEP-85  
Fagency: Not Reported  
Eidr id: CT2008000001231

Unmappable  
CT2008000001232  
CT Historic Sites

---

Fname: FIVE MILE POINT LIGHTHOUSE  
Address: Lighthouse Point Park  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 01-AUG-90  
Fagency: Not Reported  
Eidr id: CT2008000001232

Unmappable  
CT2008000001233  
CT Historic Sites

---

Fname: FORT NATHAN HALE (Fort Hale Park, Black Rock)  
Address: Woodward Ave.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 28-OCT-70  
Fagency: Not Reported  
Eidr id: CT2008000001233

Unmappable  
CT2008000001236  
CT Historic Sites

---

Fname: HALL-BENEDICT DRUG COMPANY BUILDING  
Address: 763-767 Orange St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 05-JUN-86  
Fagency: Not Reported  
Eidr id: CT2008000001236

---

Unmappable  
85002507  
National Register of Hist. Places

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Resname: Hillhouse Avenue Historic District  
 Address: Bounded by Sachem, Temple, Trumbull, and Prospect Sts., Whitney and Hillhouse Aves. & RR tracks  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19850913  
 Multname: Not Reported  
 Acre: 18.0+

Unmappable  
CT2008000001237  
CT Historic Sites

Fname: HILLHOUSE AVENUE HISTORIC DISTRICT  
 Address: Bounded by Sachem, Temple, Trumbull, and Prospect Sts., Whitney and Hillhouse Aves., and Railroad Tracks  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 13-SEP-85  
 Fagency: Not Reported  
 Fedr id: CT2008000001237

Unmappable  
85002308  
National Register of Hist. Places

Resname: Howard Avenue Historic District  
 Address: Properties along Howard Ave. between I-95 and Cassius St.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19850912  
 Multname: Not Reported  
 Acre: 32.0+

Unmappable  
CT2008000001238  
CT Historic Sites

Fname: HOWARD AVENUE HISTORIC DISTRICT  
 Address: Properties along Howard Ave., between I-95 and Cassius St.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 12-SEP-85  
 Fagency: Not Reported  
 Fedr id: CT2008000001238

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

Unmappable  
CT2008000001239  
CT Historic Sites

Fname: IMPERIAL GRANUM-JOSEPH PARKER BUILDING  
Faddress: 47 and 49-51 Elm St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 06-MAR-86  
Fagency: Not Reported  
Fedr id: CT2008000001239

Unmappable  
CT2008000001240  
CT Historic Sites

Fname: LIGHTHOUSE POINT CAROUSEL  
Faddress: Lighthouse Point Park, Lighthouse Ave  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 15-DEC-83  
Fagency: Not Reported  
Fedr id: CT2008000001240

Unmappable  
CT2008000001241  
CT Historic Sites

Fname: LINCOLN THEATER  
Faddress: 1 Lincoln St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 01-MAR-84  
Fagency: Not Reported  
Fedr id: CT2008000001241

Unmappable  
CT2008000001243  
CT Historic Sites

Fname: MENDEL, LAFAYETTE B., HOUSE  
Faddress: 18 Trumbull St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 07-JAN-76  
Fagency: NHL  
Fedr id: CT2008000001243

Unmappable  
CT2008000001245  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fname: MORY'S  
 Address: 306 York St.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 25-JAN-05  
 Fagency: Not Reported  
 Edr id: CT2008000001245

Unmappable  
 CT2008000001246  
 CT Historic Sites

Fname: NEW HAVEN CITY HALL AND COUNTY COURTHOUSE (Annex)  
 Address: 161 Church St  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 09-SEP-75  
 Fagency: Not Reported  
 Edr id: CT2008000001246

Unmappable  
 CT2008000001247  
 CT Historic Sites

Fname: NEW HAVEN COUNTY COURTHOUSE  
 Address: 121 Elm St  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 16-MAY-03  
 Fagency: Not Reported  
 Edr id: CT2008000001247

Unmappable  
 70000838  
 National Register of Hist. Places

Resname: New Haven Green Historic District  
 Address: Bounded by Chapel, College, Elm, and Church Sts.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19701230  
 Multname: Not Reported  
 Acre: 16.0+

Unmappable  
 CT2008000001248  
 CT Historic Sites



## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fname: NEW HAVEN GREEN HISTORIC DISTRICT  
 Address: Bounded by Chapel, College, Elm, and Church Sts.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 30-DEC-70  
 Fagency: NHL, HABS  
 Edr id: CT2008000001248

Unmappable  
 CT2008000001251  
 CT Historic Sites

Fname: NEW HAVEN RAILROAD STATION (Union Station)  
 Address: Union Ave.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 03-SEP-75  
 Fagency: Not Reported  
 Edr id: CT2008000001251

Unmappable  
 CT2008000001252  
 CT Historic Sites

Fname: NICOLL, CAROLINE, HOUSE  
 Address: 27 Elm St  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 14-JAN-83  
 Fagency: Not Reported  
 Edr id: CT2008000001252

Unmappable  
 84001135  
 National Register of Hist. Places

Resname: Ninth Square Historic District  
 Address: Roughly bounded by Church, State, George, and Court Sts.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19840503  
 Multname: Not Reported  
 Acre: 18.0+

Unmappable  
 CT2008000001253  
 CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fname: NINTH SQUARE HISTORIC DISTRICT  
 Address: Roughly bounded by Church, State, George, and Court Sts.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 03-MAY-84  
 Fagency: Not Reported  
 Edr id: CT2008000001253

Unmappable  
85002314  
National Register of Hist. Places

Resname: Orange Street Historic District  
 Address: Roughly bounded by Whitney Ave., State, Eagle & Trumbull Sts.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19850912  
 Multname: Not Reported  
 Acre: 125.0+

Unmappable  
CT2008000001254  
CT Historic Sites

Fname: ORANGE STREET HISTORIC DISTRICT  
 Address: Roughly bounded by Whitney Ave., State, Eagle and Trumbull Sts  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 12-SEP-85  
 Fagency: Not Reported  
 Edr id: CT2008000001254

Unmappable  
89001085  
National Register of Hist. Places

Resname: Oyster Point Historic District  
 Address: Rougly bounded by I-95, S. Water St., Howard Ave., Sea St., and  
 Greenwich Ave.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19890810  
 Multname: Not Reported  
 Acre: 26.0+

Unmappable  
CT2008000001255  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

---

Fname: OYSTER POINT HISTORIC DISTRICT  
 Address: Roughly bounded by I-95, S. Water St., Howard Ave., Sea St., and  
 Greenwich Ave.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 10-AUG-89  
 Fagency: Not Reported  
 Edr id: CT2008000001255

Unmappable  
79002670  
National Register of Hist. Places

---

Resname: Prospect Hill Historic District  
 Address: Off CT 10  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19791102  
 Multname: Not Reported  
 Acre: 185.0+

Unmappable  
CT2008000001258  
CT Historic Sites

---

Fname: PROSPECT HILL HISTORIC DISTRICT  
 Address: Off CT 10  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 02-NOV-79  
 Fagency: Not Reported  
 Edr id: CT2008000001258

Unmappable  
CT2008000001259  
CT Historic Sites

---

Fname: QUINNIPIAC BREWERY  
 Address: 19-23 River St.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 15-JUL-83  
 Fagency: Not Reported  
 Edr id: CT2008000001259

Unmappable  
84001139  
National Register of Hist. Places

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Resname: Quinnipiac River Historic District  
 Address: Roughly bounded by Quinnipiac Ave., Lexington, Chapel, Ferry, Pine, Front, and Lombard Sts.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19840628  
 Multname: Not Reported  
 Acre: 313.0+

Unmappable  
CT2008000001260  
CT Historic Sites

Fname: QUINNIPIAC RIVER HISTORIC DISTRICT  
 Address: Roughly bounded by Quinnipiac Ave., Lexington, Chapel, Ferry, Pine, Front and Lombard Sts  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 28-JUN-84  
 Fagency: LHD  
 Edr id: CT2008000001260

Unmappable  
80004062  
National Register of Hist. Places

Resname: Raynham  
 Address: 709 Townsend Ave.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19800711  
 Multname: Not Reported  
 Acre: 15.0+

Unmappable  
88003213  
National Register of Hist. Places

Resname: River Street Historic District  
 Address: Roughly bounded by Chapel St., Blatchley Ave., New Haven Harbor, and James St.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Certdate: 19890126  
Multname: Not Reported  
Acre: 8.5+

Unmappable  
CT2008000001262  
CT Historic Sites

Fname: RIVER STREET HISTORIC DISTRICT  
Address: Roughly bounded by Chapel St., Blatchley Ave., New Haven Harbor, and James St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 26-JAN-89  
Fagency: Not Reported  
Edr id: CT2008000001262

Unmappable  
CT2008000000924  
CT Historic Sites

Fname: SOUTHERN NEW ENGLAND TELEPHONE COMPANY ADMINISTRATIVE BUILDING  
Address: 227 Church St  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 24-NOV-97  
Fagency: Not Reported  
Edr id: CT2008000000924

Unmappable  
CT2008000000925  
CT Historic Sites

Fname: SOUTHWEST LEDGE LIGHTHOUSE (OPERATING LIGHTHOUSES IN CONNECTICUT MPS)  
Address: SW end of east breakwater at entrance to New Haven Harbor  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 29-MAY-90  
Fagency: Not Reported  
Edr id: CT2008000000925

Unmappable  
CT2008000000926  
CT Historic Sites

Fname: ST.LUKE'S EPISCOPAL CHURCH  
Address: 111-113 Whalley Ave

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 21-NOV-03  
 Fagency: Not Reported  
 Edr id: CT2008000000926

Unmappable  
 CT2008000000927  
 CT Historic Sites

Fname: STRATFORD SHOAL LIGHTHOUSE (OPERATING LIGHTHOUSES IN CONNECTICUT MPS)  
 Faddress: SW end of east breakwater at entrance to New Haven Harbor  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 29-MAY-90  
 Fagency: Not Reported  
 Edr id: CT2008000000927

Unmappable  
 CT2008000000928  
 CT Historic Sites

Fname: STROUSE ADLER COMPANY CORSET FACTORY  
 Faddress: 78-84 Olive St  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 22-AUG-02  
 Fagency: Not Reported  
 Edr id: CT2008000000928

Unmappable  
 85002311  
 National Register of Hist. Places

Resname: Trowbridge Square Historic District  
 Address: Roughly bounded by Columbus & Howard Aves.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19850912  
 Multname: Not Reported  
 Acre: 26.0+

Unmappable  
 CT2008000000929  
 CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Fname: TROWBRIDGE SQUARE HISTORIC DISTRICT  
Address: Roughly bounded by Columbus and Howard Aves., Loop Rd., Liberty St.  
and Railroad Tracks  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 12-SEP-85  
Fagency: Not Reported  
Edr id: CT2008000000929

Unmappable  
84001143  
National Register of Hist. Places

---

Resname: Upper State Street Historic District  
Address: Roughly State St. from Bradley St. to Mill River St.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19840907  
Multname: Not Reported  
Acre: 23.0+

Unmappable  
CT2008000000930  
CT Historic Sites

---

Fname: UPPER STATE STREET HISTORIC DISTRICT  
Address: Roughly State St. from Bradley St. to Mill River St.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 07-SEP-84  
Fagency: Not Reported  
Edr id: CT2008000000930

Unmappable  
02001727  
National Register of Hist. Places

---

Resname: Westville Village Historic District  
Address: Roughly along Blake St. and Whalley Ave.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 20030123  
Multname: Not Reported  
Acre: 22.0+

Unmappable  
CT2008000000932  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

**Status**  
**EDR ID**  
**Database**

Fname: WESTVILLE VILLAGE HISTORIC DISTRICT  
 Address: Roughly along Blake St. and Whalley Ave  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 23-JAN-03  
 Fagency: Not Reported  
 Edr id: CT2008000000932

Unmappable  
88003209  
National Register of Hist. Places

Resname: Whitney Avenue Historic District  
 Address: Roughly bounded by Burns St., Livingston St., Cold Spring St., Orange St., Bradley St., and Whitney Ave.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19890202  
 Multname: Not Reported  
 Acre: 203.0+

Unmappable  
CT2008000000934  
CT Historic Sites

Fname: WHITNEY AVENUE HISTORIC DISTRICT  
 Address: Roughly bounded by Burns, Livingston, Cold Spring, Orange, Bradley Sts., and Whitney Ave.  
 Fcity: NEW HAVEN  
 Fcnty: NEW HAVEN COUNTY  
 Flisted: 02-FEB-89  
 Fagency: Not Reported  
 Edr id: CT2008000000934

Unmappable  
87002552  
National Register of Hist. Places

Resname: Winchester Repeating Arms Company Historic District  
 Address: Roughly bounded by Sherman Pkwy., Ivy St., Mansfield St., Admiral St., and Sachem St.  
 City: New Haven  
 Vicinity: Not Reported  
 County: New Haven  
 State: CONNECTICUT  
 Certdate: 19880128  
 Multname: Not Reported



# UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Acre: 255.0+

---

Fname: WINCHESTER REPEATING ARMS COMPANY HISTORIC DISTRICT  
Address: Roughly bounded by Sherman Pkwy., Ivy, Mansfield, Admiral, and Sachem  
Sts.  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 28-JAN-88  
Fagency: Not Reported  
Edr id: CT2008000000935

Unmappable  
CT2008000000935  
CT Historic Sites

---

Resname: Wooster Square Historic District  
Address: Roughly bounded by Columbus, Wooster Sq., Chapel St., and Court St.  
City: New Haven  
Vicinity: Not Reported  
County: New Haven  
State: CONNECTICUT  
Certdate: 19710805  
Multname: Not Reported  
Acre: 40.0+

Unmappable  
71000914  
National Register of Hist. Places

---

Fname: WOOSTER SQUARE HISTORIC DISTRICT  
Address: Wooster Square Park  
Fcity: NEW HAVEN  
Fcnty: NEW HAVEN COUNTY  
Flisted: 05-AUG-71  
Fagency: LHD  
Edr id: CT2008000000936

Unmappable  
CT2008000000936  
CT Historic Sites

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Resname: Yale Bowl  
Address: SW of intersection of Chapel St. and Yale Ave.

Unmappable  
87000756  
National Register of Hist. Places

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

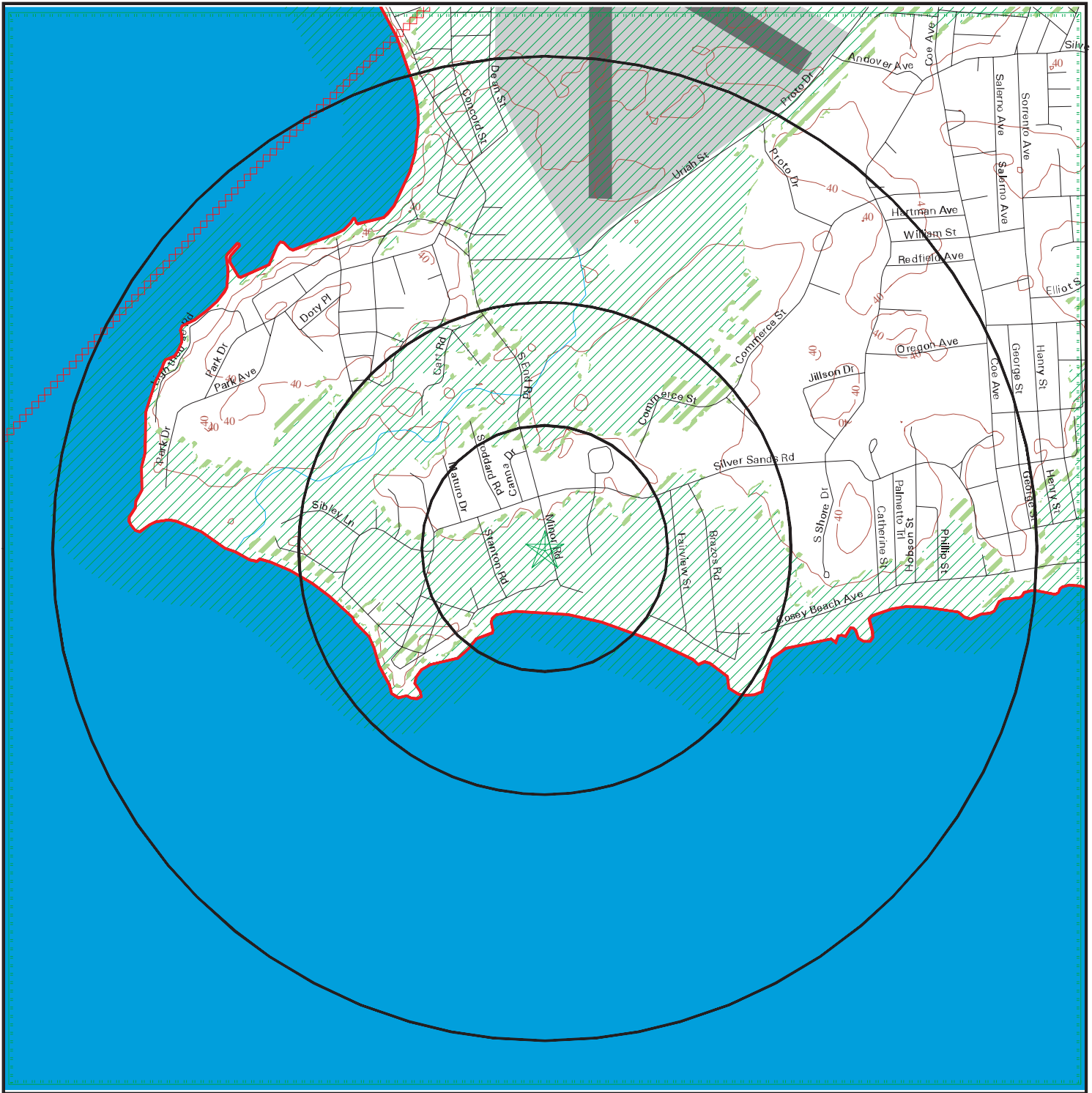
City:	New Haven
Vicinity:	Not Reported
County:	New Haven
State:	CONNECTICUT
Certdate:	19870227
Multname:	Not Reported
Acre:	30.0+

---

Unmappable  
CT2008000000937  
CT Historic Sites

Fname:	YALE BOWL
Faddress:	Southwest of the intersection of Chapel St. and Yale Ave.
Fcity:	NEW HAVEN
Fcnty:	NEW HAVEN COUNTY
Flisted:	27-FEB-87
Fagency:	NHL
Fedr id:	CT2008000000937

# Flood Plain Map



- |                 |             |                                    |
|-----------------|-------------|------------------------------------|
| Major Roads     | Power Lines | Water                              |
| Contour Lines   | Pipe Lines  | 100-year flood zone                |
| Waterways       | Fault Lines | 500-year flood zone                |
| County Boundary |             | Electronic FEMA data available     |
| Airports        |             | Electronic FEMA data not available |

SITE NAME: Patricilli Residence  
 ADDRESS: 42 Minor Road  
 East Haven CT 06512  
 LAT/LONG: 41.2465 / 72.8885

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 3885578.8s  
 DATE: March 19, 2014

# FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

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NEW HAVEN, CT

YES

Flood Plain panel at target property:

09009C (FEMA DFIRM Flood data)

Additional Flood Plain panel(s) in search area:

None Reported

# National Wetlands Inventory Map



- |                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| Major Roads     | Power Lines | Water                             |
| Contour Lines   | Pipe Lines  | National Wetlands Inventory       |
| Waterways       | Fault Lines | State Wetlands                    |
| County Boundary |             | Electronic NWI data available     |
| Airports        |             | Electronic NWI data not available |



SITE NAME: Patricilli Residence  
 ADDRESS: 42 Minor Road  
 East Haven CT 06512  
 LAT/LONG: 41.2465 / 72.8885

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 3885578.8s  
 DATE: March 19, 2014

## WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Woodmont

Additional NWI hardcopy map(s) in search area:

Branford  
New Haven  
Branford OE S

Map ID

Direction

Distance

Distance (ft.)

Code and Description\*

Database

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	ESE	0-1/8 mi	67	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.246410 / -72.888290	NWI
2	WSW	0-1/8 mi	138	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.246387 / -72.888977	NWI
3	South	1/8-1/4 mi	727	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.244518 / -72.888824	NWI
4	East	1/8-1/4 mi	770	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.246540 / -72.885696	NWI
5	North	1/8-1/4 mi	1074	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.249443 / -72.888779	NWI
6	North	1/8-1/4 mi	1313	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250103 / -72.888496	NWI
7	NW	1/4-1/2 mi	1451	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.249409 / -72.892105	NWI
8	NNE	1/4-1/2 mi	1458	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.249912 / -72.885727	NWI

\*See Wetland Classification System for additional information.

## WETLANDS MAP FINDINGS

Map ID	Direction	Distance	Code and Description*	Database
Distance (ft.)				
9	NNE	1/4-1/2 mi 1501	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.250103 / -72.885849	NWI
10	North	1/4-1/2 mi 1567	E1UBL5 [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal, [5] Mesohaline Lat/Lon: 41.250725 / -72.889565	NWI
11	NE	1/4-1/2 mi 1617	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.250004 / -72.884895	NWI
12	NW	1/4-1/2 mi 1619	E1UBL5 [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal, [5] Mesohaline Lat/Lon: 41.250134 / -72.891891	NWI
13	North	1/4-1/2 mi 1648	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.250969 / -72.889404	NWI
14	NE	1/4-1/2 mi 1687	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.249817 / -72.884224	NWI
15	NE	1/4-1/2 mi 1742	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250103 / -72.884338	NWI
16	North	1/4-1/2 mi 1816	E2EMP [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded Lat/Lon: 41.251465 / -72.887924	NWI
17	WNW	1/4-1/2 mi 1989	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.247749 / -72.895538	NWI

\*See Wetland Classification System for additional information.

## WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 NW 1/4-1/2 mi 2024	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.250015 / -72.894196	NWI
19 NW 1/4-1/2 mi 2096	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.250107 / -72.894440	NWI
20 West 1/4-1/2 mi 2096	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.246563 / -72.896126	NWI
21 WNW 1/4-1/2 mi 2135	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.249454 / -72.895203	NWI
22 NW 1/4-1/2 mi 2201	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.250759 / -72.894180	NWI
23 East 1/4-1/2 mi 2206	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.247116 / -72.880524	NWI
24 WNW 1/4-1/2 mi 2530	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.250107 / -72.896362	NWI
25 NNE 1/2-1 mi 2688	PFO1/SS1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.253075 / -72.884064	NWI
26 East 1/2-1 mi 3139	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.245056 / -72.877251	NWI

\*See Wetland Classification System for additional information.



## WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
27 North 1/2-1 mi 3207	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.255238 / -72.887100	NWI
28 NE 1/2-1 mi 3397	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.253990 / -72.881149	NWI
29 NE 1/2-1 mi 3470	PSS1/EMF [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 41.252178 / -72.878365	NWI
30 NE 1/2-1 mi 3548	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.252430 / -72.878265	NWI
31 ENE 1/2-1 mi 3656	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.249538 / -72.875832	NWI
32 North 1/2-1 mi 3684	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.256577 / -72.889542	NWI
33 NNW 1/2-1 mi 3914	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.256203 / -72.894600	NWI
34 NNE 1/2-1 mi 4226	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.256325 / -72.880333	NWI
35 North 1/2-1 mi 4651	PEM1Ed [P] Palustrine, [EM] Emergent, [1] Persistent, [E] Seasonally Flooded/Saturated, [d] Partially Drained/Ditched Lat/Lon: 41.259220 / -72.889870	NWI

\*See Wetland Classification System for additional information.

## WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
36 NNE 1/2-1 mi 4763	PEM1E [P] Palustrine, [EM] Emergent, [1] Persistent, [E] Seasonally Flooded/Saturated Lat/Lon: 41.258362 / -72.881233	NWI
37 ENE 1/2-1 mi 4870	PSS1E [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.253265 / -72.873230	NWI

\*See Wetland Classification System for additional information.

# WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

**SYSTEM**

**MARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

**2 - INTERTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

**SYSTEM**

**E - ESTUARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

**SUBSYSTEM**

**2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

**SYSTEM**

**R - RIVERINE**

**SUBSYSTEM**

**1 - TIDAL      2 - LOWER PERENNIAL      3 - UPPER PERENNIAL      4 - INTERMITTENT      5 - UNKNOWN PERENNIAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

\* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.  
 \*\*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

**SYSTEM**

**L - LACUSTRINE**

**SUBSYSTEM**

**1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

**SUBSYSTEM**

**2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

**SUBSYSTEM**

**P - PALUSTRINE**

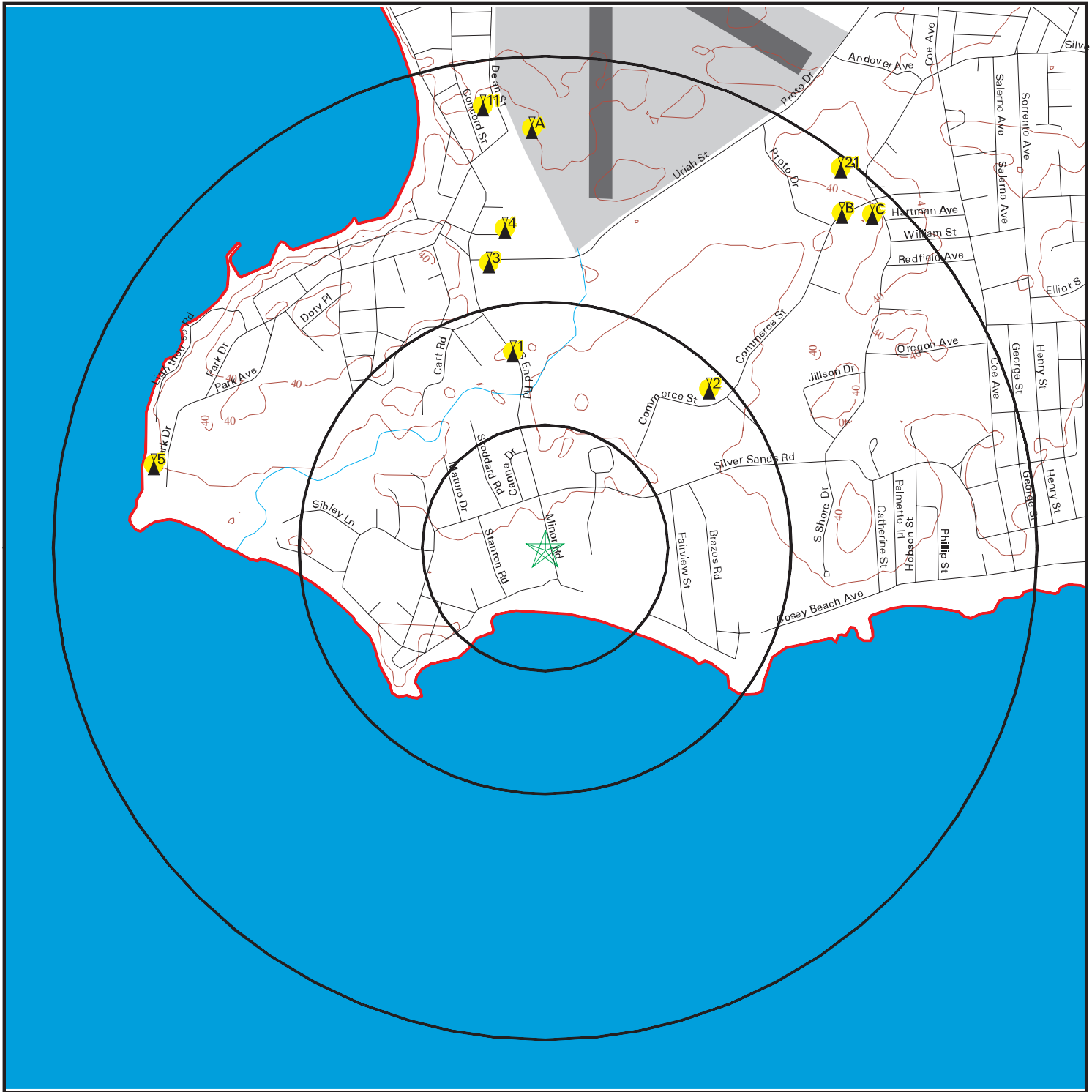
CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

**MODIFIERS**

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal		2 Euhaline	8 Eusaline	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal		3 Mixohaline (Brackish)	9 Mixosaline	a Acid	f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal		4 Polyhaline	0 Fresh	t Circumneutral	h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown		5 Mesohaline		i Alkaline	r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown				0 Fresh			x Excavated

# FCC & FAA Sites Map



- Streets
- Contour Lines
- County Boundary
- Waterways
- Power Lines
- Water
- Airports

Sites



SITE NAME: Patricilli Residence  
 ADDRESS: 42 Minor Road  
 East Haven CT 06512  
 LAT/LONG: 41.2465 / 72.8885

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 3885578.8s  
 DATE: March 19, 2014

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

1  
North  
1/4-1/2 mi  
2138

DOF130000184567  
NOAA\_DOF

Dof 1310:	184567
Dof 1310 id:	184567
Ors num:	09-020265
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.252292
Longitude:	-72.889756
Obs type:	POLE
Quantity:	1
Agl ht:	26
Amsl ht:	45
Lighting:	U
H acc:	1
V acc:	A
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010277
Edr id:	DOF130000184567



# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

2  
NE  
1/4-1/2 mi  
2457

ANT130000095501  
ANTREG

Regnum: 1252669  
 Filenum: A0639782  
 Issuedate: 5/28/2009  
 Entity: TowerCo Assets LLC  
 Strucht: 21.9  
 Strucadd: 60 Commerce Street, CT3672-CT70XC121  
 Struccity: East Haven  
 Strucstate: CT  
 Faastudy: 2008-ANE-396-OE  
 Faacirc: Not Reported  
 Lcid: L01469668  
 Contname: Susan Hart  
 Contadd: 5000 Valleystone Drive, Suite 200  
 Contpo: Not Reported  
 Contcity: Cary  
 Contstate: NC  
 Contzip: 27519  
 Edr id: ANT130000095501

This record is for a license, and it may or may not indicate a site which has been built.

3  
North  
1/2-1 mi  
3123

DOF130000184614  
NOAA\_DOF

Dof 1310: 184614  
 Dof 1310 id: 184614  
 Ors num: 09-020394  
 Verificati: O  
 Country: US  
 State: CT  
 City name: NEW HAVEN  
 Latitude: 41.254908  
 Longitude: -72.890697  
 Obs type: POLE  
 Quantity: 1  
 Agl ht: 30  
 Amsl ht: 62  
 Lighting: U  
 H acc: 1  
 V acc: A  
 Mark: U  
 Faa study: Not Reported  
 Action: A  
 Jdate: 2010286

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Edr id: DOF130000184614

4  
North  
1/2-1 mi  
3463

DOF130000184636  
NOAA\_DOF

Dof 1310: 184636  
Dof 1310 id: 184636  
Ors num: 09-020585  
Verificati: O  
Country: US  
State: CT  
City name: NEW HAVEN  
Latitude: 41.255931  
Longitude: -72.890069  
Obs type: POLE  
Quantity: 1  
Agl ht: 16  
Amsl ht: 42  
Lighting: U  
H acc: 1  
V acc: A  
Mark: U  
Faa study: Not Reported  
Action: A  
Jdate: 2010286  
Edr id: DOF130000184636

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

5  
 WNW  
 1/2-1 mi  
 4297

DOF130000184522  
 NOAA\_DOF

Dof 1310:	184522
Dof 1310 id:	184522
Ors num:	09-020278
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.248967
Longitude:	-72.903778
Obs type:	LGTHOUSE
Quantity:	1
Agl ht:	75
Amsl ht:	94
Lighting:	U
H acc:	1
V acc:	A
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010277
Edr id:	DOF130000184522

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

A6  
North  
1/2-1 mi  
4499

DOF130000184720  
NOAA\_DOF

Dof 1310:	184720
Dof 1310 id:	184720
Ors num:	09-020499
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.258839
Longitude:	-72.889008
Obs type:	TOWER
Quantity:	1
Agl ht:	3
Amsl ht:	25
Lighting:	U
H acc:	1
V acc:	A
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184720

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

A7  
 North  
 1/2-1 mi  
 4528

DOF130000184726  
 NOAA\_DOF

Dof 1310:	184726
Dof 1310 id:	184726
Ors num:	09-020498
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.258919
Longitude:	-72.889031
Obs type:	POLE
Quantity:	1
Agl ht:	9
Amsl ht:	32
Lighting:	U
H acc:	1
V acc:	A
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184726

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B8  
 NE  
 1/2-1 mi  
 4710

DOF130000184648  
 NOAA\_DOF

Dof 1310:	184648
Dof 1310 id:	184648
Ors num:	09-020575
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256272
Longitude:	-72.877286
Obs type:	POLE
Quantity:	1
Agl ht:	34
Amsl ht:	64
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184648

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B9  
 NE  
 1/2-1 mi  
 4733

DOF130000184662  
 NOAA\_DOF

Dof 1310:	184662
Dof 1310 id:	184662
Ors num:	09-020565
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256764
Longitude:	-72.877956
Obs type:	POLE
Quantity:	1
Agl ht:	32
Amsl ht:	62
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184662

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B10  
 NE  
 1/2-1 mi  
 4760

DOF130000184659  
 NOAA\_DOF

Dof 1310:	184659
Dof 1310 id:	184659
Ors num:	09-020573
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256572
Longitude:	-72.877478
Obs type:	BLDG
Quantity:	1
Agl ht:	23
Amsl ht:	54
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184659



# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

11  
 North  
 1/2-1 mi  
 4798

TOW100000057898  
 TOWER

Tower id:	43273
City:	NEW HAVEN
Date active:	Feb 3 1972
Date const:	Not Reported
Date faa:	Jan 19 1972
Date fcc:	Not Reported
Hgt antenna:	0.0000
Hgt antenna (M):	0.0000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	40.0000
Elev FAA:	40.0000
Elev FAA (M):	12.2000
Elev (M):	12.2000
Hgt structure:	30.0000
Hgt struc faa:	30.0000
Hgt stru faa (M):	9.1000
Hgt struc (M):	9.1000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	0.0000
Tower (M):	0.0000
Id asb acc:	C
Faa id:	72-NE-7-OE
File num:	12025-LA-12
Name owner:	Not Reported
State:	CT
Address:	25 TOWNSHEND AVE
Action:	OLD
Type stru:	TOW
Type tower:	E
Key site:	55389
Id exam:	Not Reported
Xmit lat:	411534
Xmit long:	0725329
Lat deg:	41
Lat min:	15
Lat sec:	34
Lat second:	148534
Long deg:	72
Long min:	53
Long sec:	29
Long secon:	262409
Key rem:	Not Reported
The date:	Not Reported
Type pl:	Not Reported
Spec cond1:	Not Reported

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW10000057898

This record is for a license, and it may or may not indicate a site which has been built.

B12  
NE  
1/2-1 mi  
4800

DOF130000184632  
NOAA\_DOF

Dof 1310: 184632  
Dof 1310 id: 184632  
Ors num: 09-020440  
Verificati: O  
Country: US  
State: CT  
City name: NEW HAVEN  
Latitude: 41.255806  
Longitude: -72.876147  
Obs type: POLE  
Quantity: 1  
Agl ht: 22  
Amsl ht: 60  
Lighting: U  
H acc: 2  
V acc: C  
Mark: U  
Faa study: Not Reported  
Action: A  
Jdate: 2010286  
Edr id: DOF130000184632

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B13  
 NE  
 1/2-1 mi  
 4830

DOF130000184655  
 NOAA\_DOF

Dof 1310:	184655
Dof 1310 id:	184655
Ors num:	09-020574
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256428
Longitude:	-72.876861
Obs type:	POLE
Quantity:	1
Agl ht:	33
Amsl ht:	67
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184655

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B14  
 NE  
 1/2-1 mi  
 4847

DOF130000184645  
 NOAA\_DOF

Dof 1310:	184645
Dof 1310 id:	184645
Ors num:	09-020439
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256172
Longitude:	-72.876397
Obs type:	POLE
Quantity:	1
Agl ht:	24
Amsl ht:	60
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184645

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

C15  
 NE  
 1/2-1 mi  
 4964

DOF130000184638  
 NOAA\_DOF

Dof 1310:	184638
Dof 1310 id:	184638
Ors num:	09-020588
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.255969
Longitude:	-72.875522
Obs type:	POLE
Quantity:	1
Agl ht:	28
Amsl ht:	65
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184638

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

B16  
 NE  
 1/2-1 mi  
 4993

DOF130000184661  
 NOAA\_DOF

Dof 1310:	184661
Dof 1310 id:	184661
Ors num:	09-020564
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256639
Longitude:	-72.876286
Obs type:	POLE
Quantity:	1
Agl ht:	38
Amsl ht:	72
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184661

# FCC & FAA SITES MAP FINDINGS TOWERS

**Map ID**  
**Direction**  
**Distance**  
**Distance (ft.)**

**EDR ID**  
**Database**

C17  
 NE  
 1/2-1 mi  
 4999

TOW100000057883  
 TOWER

Tower id: 43254  
 City: EAST HAVEN  
 Date active: Nov 18 1981  
 Date const: 99/99/1999  
 Date faa: Sep 10 1981  
 Date fcc: Oct 1 1981  
 Hgt antenna: 0.0000  
 Hgt antenna (M): 0.0000  
 Hgt beacon: 0.0000  
 Hgt beacon (M): 0.0000  
 Elevation: 98.0000  
 Elev FAA: 98.0000  
 Elev FAA (M): 29.9000  
 Elev (M): 29.9000  
 Hgt structure: 68.0000  
 Hgt struc faa: 70.0000  
 Hgt stru faa (M): 21.3000  
 Hgt struc (M): 20.7000  
 Supporting Struc Hgt: 0.0000  
 Supp. Struct Hgt (M): 0.0000  
 Tower Hgt: 0.0000  
 Tower (M): 0.0000  
 Id asb acc: C  
 Faa id: 81-ANE-228-OE  
 File num: 00163-IB-102  
 Name owner: Not Reported  
 State: CT  
 Address: 259 COMMERCE ST  
 Action: OLD  
 Type stru: TOW  
 Type tower: E  
 Key site: 55355  
 Id exam: Not Reported  
 Xmit lat: 411522  
 Xmit long: 0725234  
 Lat deg: 41  
 Lat min: 15  
 Lat sec: 22  
 Lat second: 148522  
 Long deg: 72  
 Long min: 52  
 Long sec: 34  
 Long secon: 262354  
 Key rem: Not Reported  
 The date: Not Reported  
 Type pl: Not Reported  
 Spec cond1: Not Reported

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Spec cond2: Not Reported  
Remarks: Not Reported  
Edr id: TOW100000057883

This record is for a license, and it may or may not indicate a site which has been built.

C18  
NE  
1/2-1 mi  
5012

DOF130000184652  
NOAA\_DOF

Dof 1310: 184652  
Dof 1310 id: 184652  
Ors num: 09-020582  
Verificati: O  
Country: US  
State: CT  
City name: EAST HAVEN  
Latitude: 41.25635  
Longitude: -72.875783  
Obs type: TOWER  
Quantity: 1  
Agl ht: 60  
Amsl ht: 93  
Lighting: N  
H acc: 2  
V acc: C  
Mark: N  
Faa study: 2011ANE01372OE  
Action: C  
Jdate: 2011272  
Edr id: DOF130000184652



# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

C19  
NE  
1/2-1 mi  
5021

ANT130000085161  
ANTREG

Regnum: 1240728  
 Filenum: A0768130  
 Issuedate: 5/8/2012  
 Entity: New Cingular Wireless PCS, LLC  
 Strucht: 18.3  
 Strucadd: 259 Commerce Street  
 Struccity: East Haven  
 Strucstate: CT  
 Faastudy: 2011-ANE-1372-OE  
 Faacirc: 70/7460-1K  
 Licid: L00024153  
 Contname: FCC Group  
 Contadd: 5601 Legacy Drive, MS: A-3  
 Contpo: Not Reported  
 Contcity: Plano  
 Contstate: TX  
 Contzip: 75024  
 Edr id: ANT130000085161

This record is for a license, and it may or may not indicate a site which has been built.

C20  
NE  
1/2-1 mi  
5103

DOF130000184663  
NOAA\_DOF

Dof 1310: 184663  
 Dof 1310 id: 184663  
 Ors num: 09-020563  
 Verificati: O  
 Country: US  
 State: CT  
 City name: NEW HAVEN  
 Latitude: 41.256781  
 Longitude: -72.8759  
 Obs type: POLE  
 Quantity: 1  
 Agl ht: 34  
 Amsl ht: 76  
 Lighting: U  
 H acc: 2  
 V acc: C  
 Mark: U  
 Faa study: Not Reported  
 Action: A  
 Jdate: 2010286

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

Edr id: DOF130000184663

21  
NE  
1/2-1 mi  
5174

DOF130000184690  
NOAA\_DOF

Dof 1310: 184690  
Dof 1310 id: 184690  
Ors num: 09-020544  
Verificati: O  
Country: US  
State: CT  
City name: NEW HAVEN  
Latitude: 41.257714  
Longitude: -72.876958  
Obs type: BLDG  
Quantity: 1  
Agl ht: 13  
Amsl ht: 64  
Lighting: U  
H acc: 2  
V acc: C  
Mark: U  
Faa study: Not Reported  
Action: A  
Jdate: 2010286  
Edr id: DOF130000184690

# FCC & FAA SITES MAP FINDINGS

## AIRPORTS

EDR ID  
Database

AIR02989  
AIRPORTS

Rec type: APT  
Site number: 02858.\*A  
Airport type: AIRPORT  
State: CONNECTICUT  
County: NEW HAVEN  
City: NEW HAVEN  
Facility: TWEED-NEW HAVEN  
Owner type: PU  
Use: PU  
Owner: CITY OF NEW HAVEN  
Owner address: 770 CHAPEL STREET  
City/State: NEW HAVEN, CT 06510  
Phone: 203-946-8222  
Mgmt name: RICHARD LAMPOR  
Mgmt address: 155 BURR ST  
Mgmt city: NEW HAVEN, CT 06512  
Mgmt phone: 203-466-8833  
Latitude: 41-15-50.036N  
Longitude: 072-53-13.560W  
Latlong method: E  
Elev ft: 14  
Elev method: S  
Aero chart: NEW YORK  
Dist from Biz: 03  
Direc from Biz: SE  
Date Active: 12/1903  
Date Certified: AS 05/1973  
Fed agreements: NGY3  
Intl airport?: N  
Customs airport?: Y  
Inspection Method: F  
Inspected by: F  
Last inspected: 09161999  
Attendance: ALL/ALL/0600-2030  
Lighting: ATC-CTL  
Atc tower?: Y  
Beacon color: CG  
Land fee: Y  
Single engine: 062  
Multi engine: 009  
Jet engines: 001  
Helicopters: Not Reported  
Gliders: Not Reported  
Military: Not Reported  
Ulight air: Not Reported  
Commercial: 006349  
Air taxi: 011293  
Local ops: 025069  
Edr id: AIR02989  
Rec type: RWY

# FCC & FAA SITES MAP FINDINGS

## AIRPORTS

EDR ID  
Database

Lf site nu: 02858.\*A  
Runway id: 02/20  
Runway length: 5600  
Runway width: 150  
Surface: ASPH  
Lights intensity: HIGH  
Base end id: 02  
Markings: PIR  
Latitude: 41-15-21.782N  
Longitude: 072-53-17.679W  
Elevation: 7.5  
Approach lights: MALSF  
End lights: Not Reported  
Centerline lights: Not Reported  
Touchdown lights: Not Reported  
Recip end id: 20  
Recip markings: NPI  
Recip lat: 41-16-17.040N  
Recip long: 072-53-13.951W  
Recip elev: 13.0  
Reci app lights: Not Reported  
Recip end lights: Not Reported  
Reci center lights: Not Reported  
Recip td lights: Not Reported  
Rec type: RWY  
Lf site nu: 02858.\*A  
Runway id: 14/32  
Runway length: 3175  
Runway width: 100  
Surface: ASPH  
Lights intensity: MED  
Base end id: 14  
Markings: BSC  
Latitude: 41-16-01.465N  
Longitude: 072-53-25.228W  
Elevation: 6.1  
Approach lights: Not Reported  
End lights: Not Reported  
Centerline lights: Not Reported  
Touchdown lights: Not Reported  
Recip end id: 32  
Recip markings: BSC  
Recip lat: 41-15-40.812N  
Recip long: 072-52-53.937W  
Recip elev: 5.0  
Reci app lights: Not Reported  
Recip end lights: Not Reported  
Reci center lights: Not Reported  
Recip td lights: Not Reported

# FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID  
Database

---

No Sites Reported.

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

### **NATURAL AREAS**

#### **Officially designated wilderness areas**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

National Park Service, Northeast Region

200 custom Street, Fifth Floor

Philadelphia, PA 19106

215-597-7013

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

#### **Officially designated wildlife preserves, sanctuaries and refuges**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

##### State Contacts for Additional Information

Dept. of Environmental Protection 860-424-3474

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **Wild and scenic rivers**

#### Government Records Searched in This Report

##### FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

#### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

### **Endangered Species**

#### Government Records Searched in This Report

##### Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

##### CT Natural Diversity: CT Natural Diversity Database

Point locations of listed species and significant natural communities

Source: Dept. of Environmental Protection.

Telephone: 860-424-3378

#### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

#### State Contacts for Additional Information

Natural Diversity Database, Dept. of Environmental Protection 860-424-3540

### **LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES**

#### **Historic Places**

##### Government Records Searched in This Report

##### National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

CT Historic Sites: Connecticut National Register of Historic Places  
Listing of historic sites included on the National Register for Connecticut.  
Source: Connecticut Historical Commission.  
Telephone: 860-566-3005

### Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation  
1849 C Street NW  
Washington, DC 20240  
Phone: (202) 208-6843

### State Contacts for Additional Information

Connecticut Historical Commission 860-566-3005

### **Indian Religious Sites**

#### Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

### Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs  
Office of Public Affairs  
1849 C Street, NW  
Washington, DC 20240-0001  
Office: 202-208-3711  
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers  
1411 K Street NW, Suite 700  
Washington, DC 20005  
Phone: 202-628-8476  
Fax: 202-628-2241



## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:  
<http://www.doi.gov/bia/areas/agency.html>

### **Scenic Trails**

#### Government Records Searched in This Report

APPAL\_TRAIL: Appalachian National Scenic Trail

Source: Appalachian Trail Conservancy and National Park Service Appalachian Trail Park Office

Telephone: (304) 535-6278

Appalachian Trail centerline.

#### State Contacts for Additional Information

Appalachian Trail Conference

799 Washington Street P.O. Box 807

Harpers Ferry, WV 25425-0807

(304) 535-6331

### **FLOOD PLAIN, WETLANDS AND COASTAL ZONE**

#### **Flood Plain Management**

##### Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

#### Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

#### State Contacts for Additional Information

Office of Emergency Management 860-566-3180

#### **Wetlands Protection**

##### Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

#### State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection

Telephone: 860-871-4047

#### Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

#### State Contacts for Additional Information

Natural Resources and Environment 860-424-3474

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **Coastal Zone Management**

#### Government Records Searched in This Report

##### **CAMA Management Areas**

Dept. of Env., Health & Natural Resources  
919-733-2293

#### Federal Contacts for Additional Information

##### **Office of Ocean and Coastal Resource Management**

N/ORM, SSMC4  
1305 East-West Highway  
Silver Spring, Maryland 20910  
301-713-3102

#### State Contacts for Additional Information

Dept. of Env. Protection, Office of Long Island Sound Programs 860-424-3034

### **FCC & FAA SITES MAP**

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

#### Government Records Searched in This Report

##### **Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **4G Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Antenna Structure Registration**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Towers**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **AM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **FM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

### **FAA Digital Obstacle File**

Federal Aviation Administration (FAA)  
1305 East-West Highway, Station 5631  
Silver Spring, MD 20910-3281  
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

### **Airport Landing Facilities**

Federal Aviation Administration  
Telephone (800) 457-6656  
Private and public use landing facilities.

### **Electric Power Transmission Line Data**

Rextag Strategies Corp.  
14405 Walters Road, Suite 510  
Houston, TX 77014  
281-769-2247  
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

### **Excessive Radio Frequency Emission**

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

### Federal Contacts for Additional Information

Office of Engineering and Technology  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
Phone: 202-418-2470

## **OTHER CONTACT SOURCES**

### **STREET AND ADDRESS INFORMATION**

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**Patricilli Residence**

42 Minor Road

East Haven, CT 06512

Inquiry Number: 3885578.3

March 20, 2014

## Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor  
Shelton, Connecticut 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

3/20/14

**Site Name:**

Patricilli Residence  
42 Minor Road  
East Haven, CT 06512

**Client Name:**

Freeman Companies LLC  
100 Wells Street  
Hartford, CT 06103



EDR Inquiry # 3885578.3

Contact: Doug Brink

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Freeman Companies LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

**Site Name:** Patricilli Residence  
**Address:** 42 Minor Road  
**City, State, Zip:** East Haven, CT 06512  
**Cross Street:**  
**P.O. #** 2014-0306-1  
**Project:** 42 Minor Road, East Haven  
**Certification #** DDAC-42D3-94D1



Sanborn® Library search results  
Certification # DDAC-42D3-94D1

**Maps Provided:**

1973  
1950

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- Library of Congress
- University Publications of America
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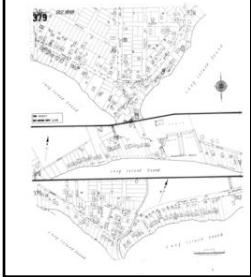
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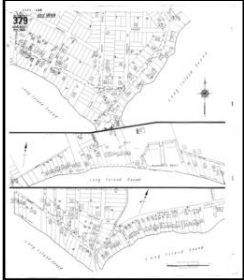


### 1973 Source Sheets



Volume 3, Sheet 379

### 1950 Source Sheets



Volume 3, Sheet 379

# 1973 Certified Sanborn Map

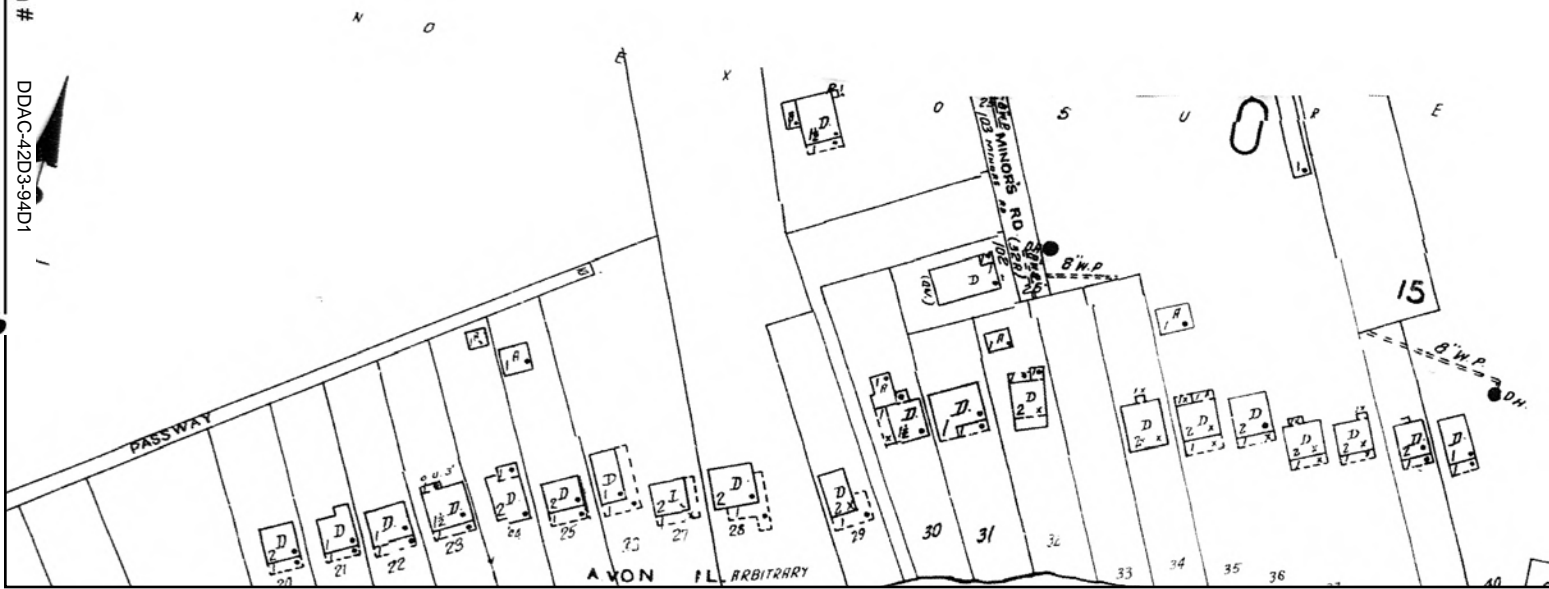
Site Name: Patricilli Residence  
 Address: 42 Minor Road  
 City, ST, ZIP: East Haven CT 06512  
 Client: Freeman Companies LLC  
 EDR Inquiry: 3885578.3  
 Order Date: 3/20/2014 11:32:01 AM  
 Certification #: DDAC-42D3-94D1  
 Copyright: 1973



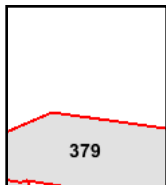
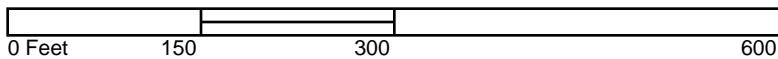
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Certification #

DDAC-42D3-94D1



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 379



# 1950 Certified Sanborn Map

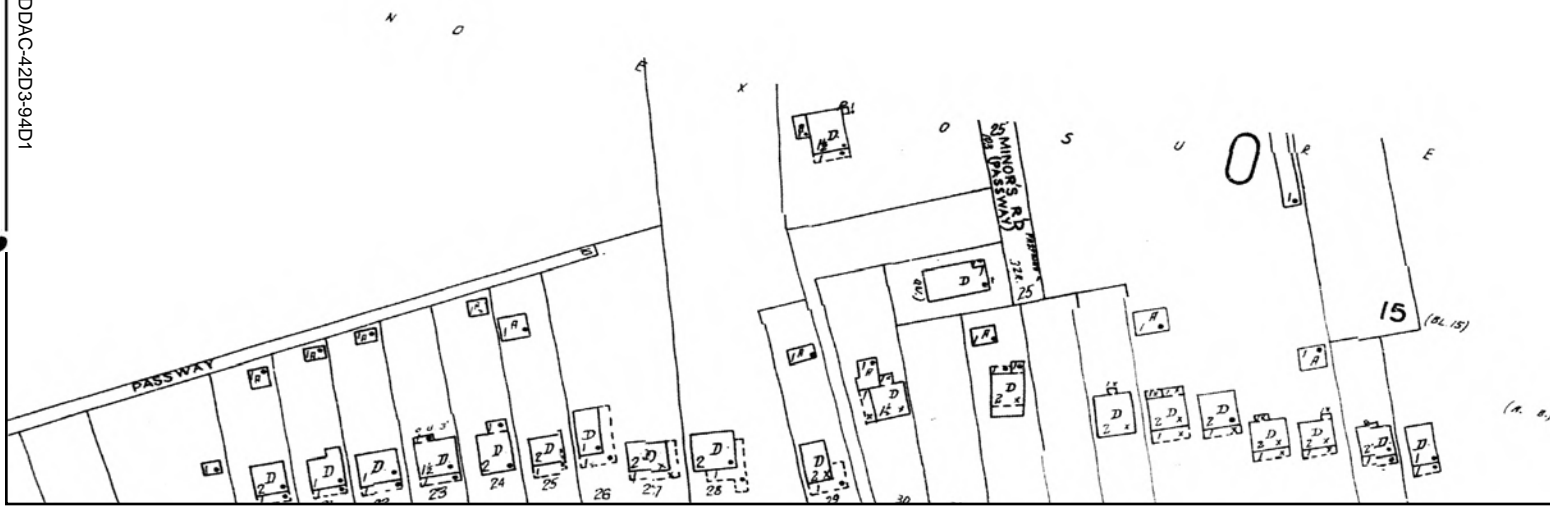
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 City, ST, ZIP: East Haven CT 06512  
 Client: Freeman Companies LLC  
 EDR Inquiry: 3885578.3  
 Order Date: 3/20/2014 11:32:01 AM  
 Certification #: DDAC-42D3-94D1  
 Copyright: 1950



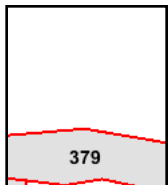
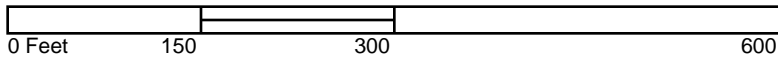
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Certification #

DDAC-42D3-94D1



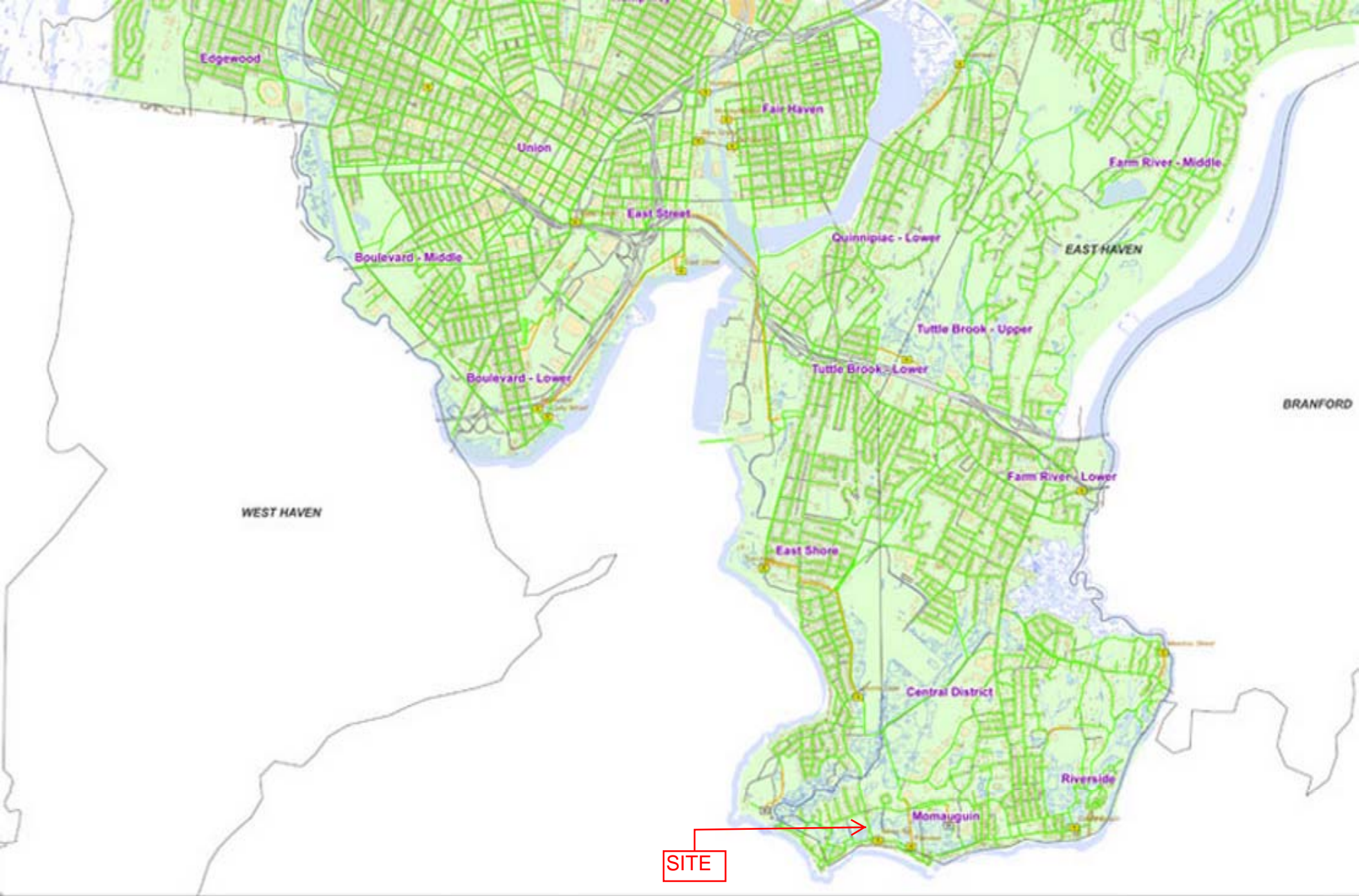
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 379







### Legend

- GNHWPCA Sanitary Sewer Area
- \*Existing Preserved Open Space

## GNHWPCA Sewer Service Area Map

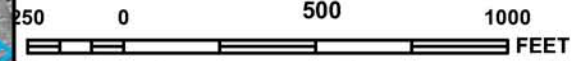
**Disclaimer:**  
 Sewer mapping data is for planning purposes only. Although compiled from recent plans, there is no guarantee that this data is free from errors and omissions.

\*GNHWPCA Sanitary Sewer Area to be developed consistent with the Connecticut Office of Policy and Management Conservation and Development Plan Locational Guide Map designated as an Existing Preserved Open Space.





MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0557J

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

**PANEL 557 OF 635**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
EAST HAVEN, TOWN OF	090076	0557	J
NEW HAVEN, CITY OF	090084	0557	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.



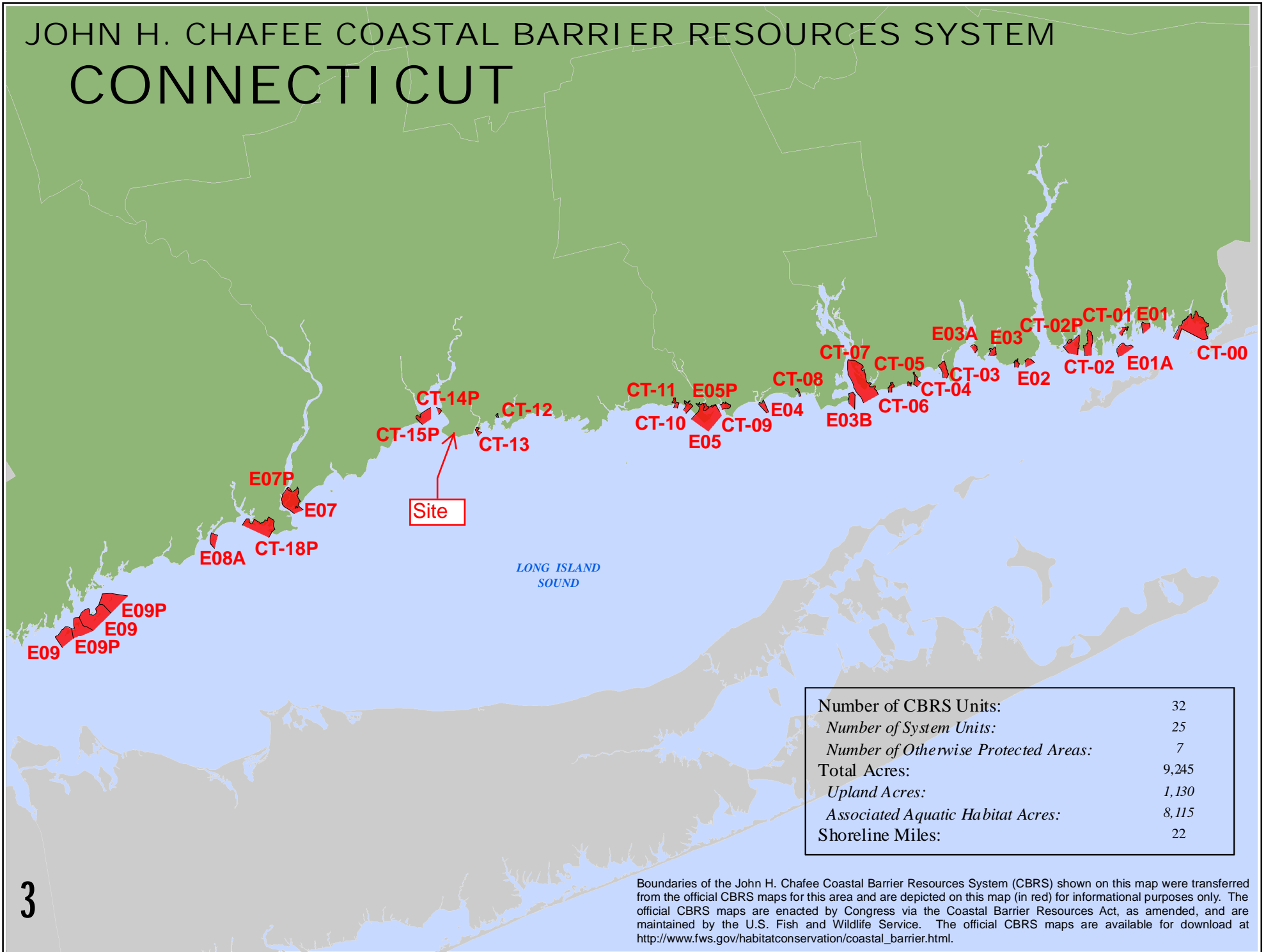
**MAP NUMBER**  
**09009C0557J**  
**MAP REVISED**  
**JULY 8, 2013**

Federal Emergency Management Agency

26

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

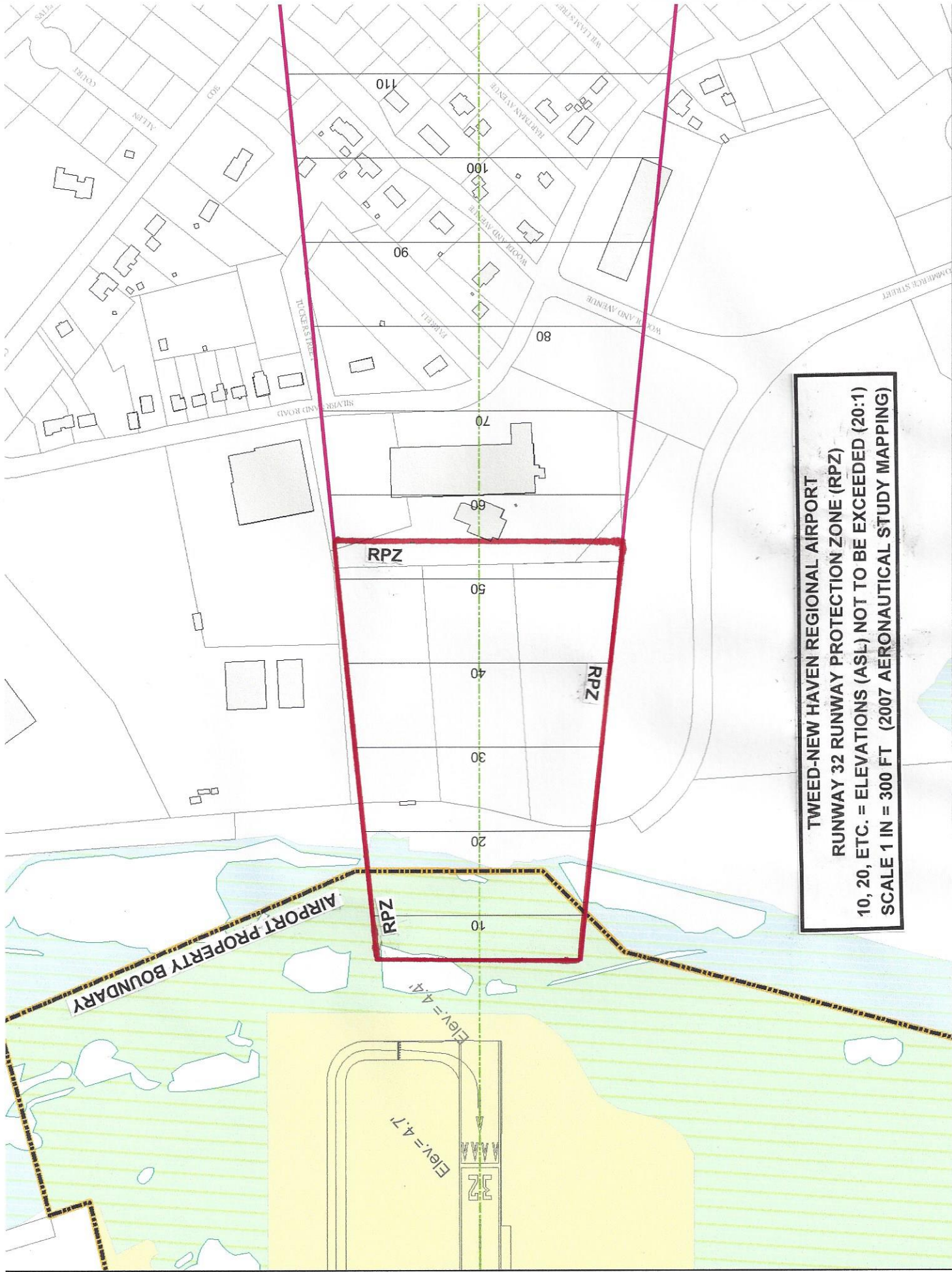
# JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM CONNECTICUT



Number of CBRS Units:	32
Number of System Units:	25
Number of Otherwise Protected Areas:	7
Total Acres:	9,245
Upland Acres:	1,130
Associated Aquatic Habitat Acres:	8,115
Shoreline Miles:	22

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at [http://www.fws.gov/habitatconservation/coastal\\_barrier.html](http://www.fws.gov/habitatconservation/coastal_barrier.html).





**TWEED-NEW HAVEN REGIONAL AIRPORT**  
**RUNWAY 32 RUNWAY PROTECTION ZONE (RPZ)**  
 10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)  
 SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)

**Runway 32 Approach Surface - 20:1 Obstacle Clearance**

August 2007

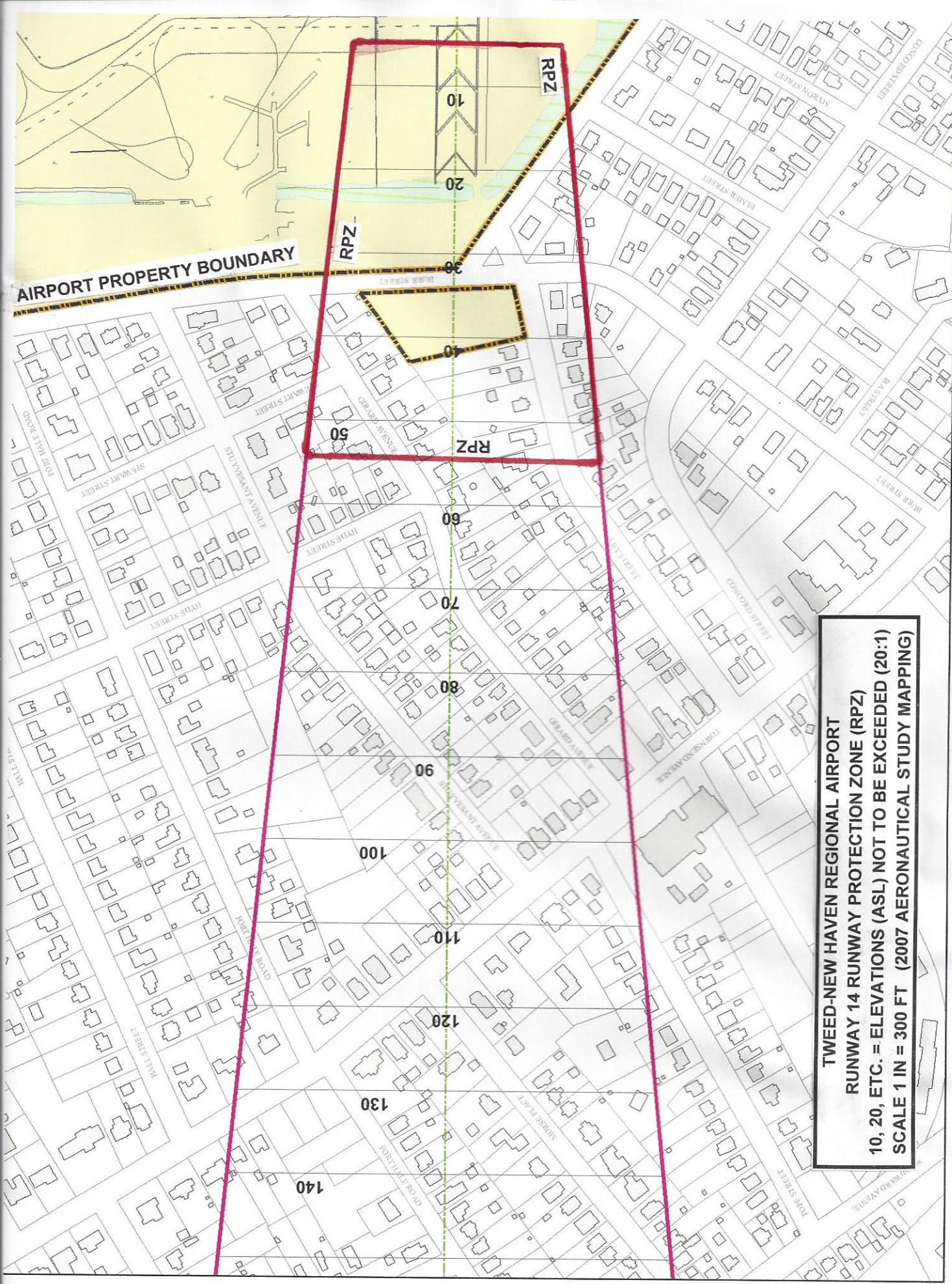
FAR Part 77



**TWEED-NEW HAVEN REGIONAL AIRPORT**  
**RUNWAY 20 RUNWAY PROTECTION ZONE (RPZ)**  
**10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)**  
**SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)**  
**XX = PROPERTY ANNEXED BY AIRPORT SINCE 2007**







**AIRPORT PROPERTY BOUNDARY**

RPZ  
10  
20  
30  
40  
50  
RPZ

**TWEED-NEW HAVEN REGIONAL AIRPORT  
 RUNWAY 14 RUNWAY PROTECTION ZONE (RPZ)  
 10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)  
 SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)**

**Runway 14 Approach Surface - 20:1 Obstacle Clearance Surface**

FAR Part 77



**TWEED-NEW HAVEN REGIONAL AIRPORT  
 RUNWAY 02 RUNWAY PROTECTION ZONE (RPZ)  
 10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (34:1)  
 SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)  
 XX = PROPERTY ANNEXED BY AIRPORT SINCE 2007**



Elev = 6.3'





# Federal Aviation Administration

---

## Memorandum

Date: **SEP 27 2012**

To: Regional Airports Division Managers  
610 Branch Managers  
620 Branch Managers  
ADO Managers

From: *Benito De Leon*  
Benito De Leon, Director  
Office of Airport Planning and Programming (APP-1)  
*Michael J. O'Donnell*  
Michael J. O'Donnell, Director  
Office of Airport Safety and Standards (AAS-1)

Subject: Interim Guidance on Land Uses Within a Runway Protection Zone

---

### Background

The FAA Office of Airports (ARP) has identified the need to clarify our policy on land uses within the Runway Protection Zone (RPZ). This memorandum presents interim policy guidance on compatible land uses within Runway Protection Zones (RPZ) to address recurrent questions about what constitutes a compatible land use and how to evaluate proposed land uses that would reside in an RPZ. While Advisory Circular 150/5300-Change 17 (Airport Design) notes that "it is desirable to clear all objects from the RPZ," it also acknowledges that "some uses are permitted" with conditions and other "land uses are prohibited."

RPZ land use compatibility also is often complicated by ownership considerations. Airport owner control over the RPZ land is emphasized to achieve the desired protection of people and property on the ground. Although the FAA recognizes that in certain situations the airport sponsor may not fully control land within the RPZ, the FAA expects airport sponsors to take all possible measures to protect against and remove or mitigate incompatible land uses.

ARP is developing a new guidance document for the Regional Office (RO) and Airport District Office (ADO) staff that clarifies our policy regarding land uses in the RPZ. This new guidance document will outline a comprehensive review process for existing and proposed land uses within an RPZ and is slated for publication in 2013. We also intend to incorporate RPZ land use considerations into the ongoing update to the Land Use Compatibility Advisory Circular (AC) which is slated for publication in 2014.

This memorandum outlines interim guidance for ARP RO and ADO staff to follow until the comprehensive RPZ land use guidance is published.



## **Interim Guidance**

### **New or Modified Land Uses in the RPZ**

Regional and ADO staff must consult with the National Airport Planning and Environmental Division, APP-400 (who will coordinate with the Airport Engineering Division, AAS-100), when any of the land uses described in **Table 1** would enter the limits of the RPZ as the result of:

1. An airfield project (e.g., runway extension, runway shift)
2. A change in the critical design aircraft that increases the RPZ dimensions
3. A new or revised instrument approach procedure that increases the RPZ dimensions
4. A local development proposal in the RPZ (either new or reconfigured)

**Table 1: Land Uses Requiring Coordination with APP-400**

- Buildings and structures (Examples include, but are not limited to: residences, schools, churches, hospitals or other medical care facilities, commercial/industrial buildings, etc.)
- Recreational land use (Examples include, but are not limited to: golf courses, sports fields, amusement parks, other places of public assembly, etc.)
- Transportation facilities. Examples include, but are not limited to:
  - Rail facilities – light or heavy, passenger or freight
  - Public roads/highways
  - Vehicular parking facilities
- Fuel storage facilities (above and below ground)
- Hazardous material storage (above and below ground)
- Wastewater treatment facilities
- Above-ground utility infrastructure (i.e. electrical substations), including any type of solar panel installations.

Land uses that may create a safety hazard to air transportation resulting from wildlife hazard attractants such as retention ponds or municipal landfills are not subject to RPZ standards since these types of land uses do not create a hazard to people and property on the ground. Rather, these land uses are controlled by other FAA policies and standards. In accordance with the relevant Advisory Circulars, the Region/ADO must coordinate land use proposals that create wildlife hazards with AAS-300, regardless of whether the proposed land use occurs within the limits of an RPZ.

### **Alternatives Analysis**

Prior to contacting APP-400, the RO and ADO staff must work with the airport sponsor to identify and document the full range of alternatives that could:

1. Avoid introducing the land use issue within the RPZ
2. Minimize the impact of the land use in the RPZ (i.e., routing a new roadway through the controlled activity area, move farther away from the runway end, etc.)

3. Mitigate risk to people and property on the ground (i.e., tunneling, depressing and/or protecting a roadway through the RPZ, implement operational measures to mitigate any risks, etc.)

Documentation of the alternatives should include:

- A description of each alternative including a narrative discussion and exhibits or figures depicting the alternative
- Full cost estimates associated with each alternative regardless of potential funding sources.
- A practicability assessment based on the feasibility of the alternative in terms of cost, constructability and other factors.
- Identification of the preferred alternative that would meet the project purpose and need while minimizing risk associated with the location within the RPZ.
- Identification of all Federal, State and local transportation agencies involved or interested in the issue.
- Analysis of the specific portion(s) and percentages of the RPZ affected, drawing a clear distinction between the Central Portion of the RPZ versus the Controlled Activity Area, and clearly delineating the distance from the runway end and runway landing threshold.
- Analysis of (and issues affecting) sponsor control of the land within the RPZ.
- Any other relevant factors for HQ consideration.

APP-400 will consult with AAS-100 when reviewing the project documents provided by the RO/ADO. APP-400 and AAS-100 will work with the Region/ADO to make a joint determination regarding Airport Layout Plan (ALP) approval after considering the proposed land use, location within the RPZ and documentation of the alternatives analysis.

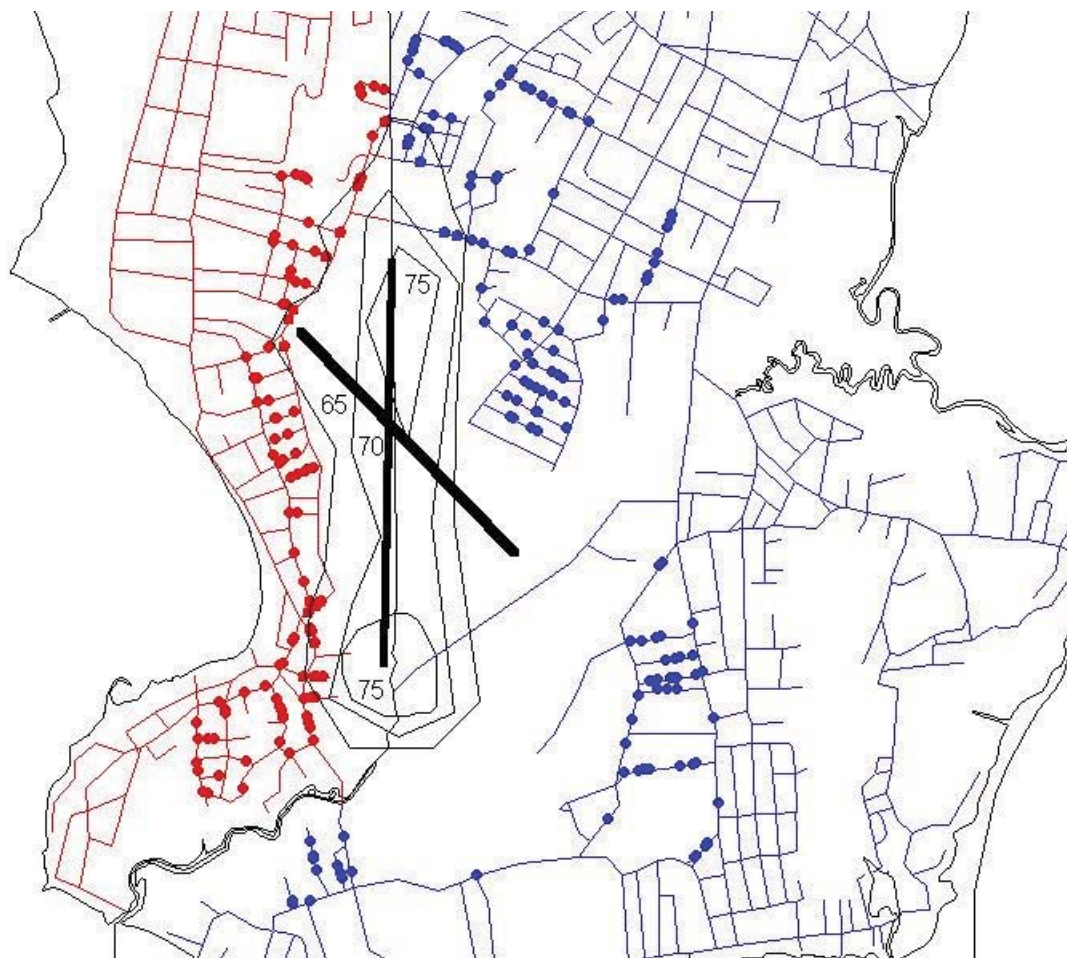
In addition, APP-400 and AAS-100 will work with the Region/ADO to craft language for inclusion in the airspace determination letter regarding any violations to ensure that all stakeholders (including tenants, operators, and insurers) are fully apprised of the issues and potential risks and liabilities associated with permitting such facilities within the RPZ.

### **Existing Land Uses in the RPZ**

This interim policy only addresses the introduction of new or modified land uses to an RPZ and proposed changes to the RPZ size or location. Therefore, at this time, the RO and ADO staff shall continue to work with sponsors to remove or mitigate the risk of any existing incompatible land uses in the RPZ as practical.

For additional information or questions regarding this interim guidance, please contact either Ralph Thompson, APP-400, at [ralph.thompson@faa.gov](mailto:ralph.thompson@faa.gov) or (202) 267-8772 or Danielle Rinsler, APP-401, at [danielle.rinsler@faa.gov](mailto:danielle.rinsler@faa.gov) or (202) 267-8784.





Note: Red dots denote New Haven properties and blue dots indicate East Haven properties; squares are properties within the 65db contour.

Due to the limited number of properties inside the 65db noise contour, a statistical test based on the means of those properties inside and outside the contour as above is not reliable. We use Ordinary Least Squares to estimate the impact of property location, that is inside and outside of the 65db noise contour, on the properties’ sales price growth rate. We find no significant impact of housing location on the sales price growth rate. The model is a simple linear regression model written as:

$$P = \beta_0 + \beta_1 \text{zone} + \beta_2 \text{67next} + \beta_3 \text{67twice} + \beta_4 \text{80same} + \beta_5 \text{80next} + \beta_6 \text{90same} + \epsilon,$$

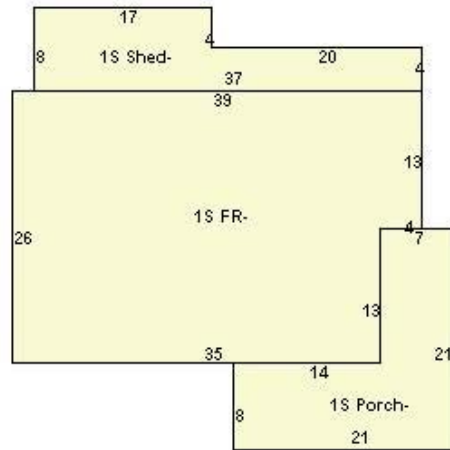
where P stands for housing price growth rate. The zone variable has value of 1 if the property is inside the 65db contour and 0 otherwise. Each categorical variable controls for the different sales scenarios described in Appendix 7. For example, “67next” has the value of 1 if the property was first sold in the period 1967-1979 and resold again in the period 1980-1989, and 0 otherwise. “67twice” means that the property was first sold in the period 1967-1979 and resold in 1990 or later. “80same” indicates whether the property was first sold and resold



**Town of EastHaven**

**Last Updated: 03/19/2014**

Internet Map



**Summary**

<b>Address</b>	42 MINOR RD	<b>Map/Block/Lot</b>	010 0306 001
<b>Primary Use</b>	Residential	<b>Acres</b>	0.24
<b>Unique ID</b>	P0198000	<b>Zone</b>	R-3
<b>Volume</b>	1723	<b>Page</b>	0213

**Ownership Information**

<b>Current Owner</b>	PATRICELLI MARTIN L EST; PATRICELLI ROBERT CONSERVATOR	<b>Appraised Value</b>	<b>70% Assessment</b>
	42 MINOR RD EAST HAVEN CT 06512		
<b>Land</b>		85050	59540
<b>Buildings</b>		49403	34580
<b>Outbuildings</b>		0	0
<b>Total</b>		<b>134453</b>	<b>94120</b>

**Sales History**

<b>Previous Owner</b>	PATRICELLI MARTIN L	<b>Sale Date</b>	8/24/2005
-----------------------	---------------------	------------------	-----------

<b>Sale Price</b>	0	<b>Deed Type</b>	
<b>Volume/Page</b>	1723 / 213	<b>Valid Sale</b>	No
<b>Previous Owner</b>		<b>Sale Date</b>	10/15/1997
<b>Sale Price</b>	0	<b>Deed Type</b>	
<b>Volume/Page</b>	946 / 329	<b>Valid Sale</b>	No

<b>Building #1</b>					
Style	Ranch	Rooms	4	Bsmt Area	0
Building SF	962	Bedrooms	2	Bsmt Finish	0
Stories	1.00	Baths	1 Full, 0 Half	Bsmt Garage	0 bays
Construction	Wood Frame	Fireplaces	1	Roof	
Overall Condition	Poor	Heating	Gas / Hot Water	Siding	Vinyl ,
Year Built	1953	Cooling %	0	Units	1
Special Features	, ,				
Components	Frame Shed , Enclosed Porch				

Disclaimer: This information is provided for your use. No claim that the file is complete or that the file is 100% accurate is made. It is a copy of the Property Record File of the town and as such is a constant work in progress. You may also view and copy data in the Town Hall.

Click [here](#) to go back.

Environmental Review Record and Statutory Checklist  
42 Minor Road  
East Haven, CT



## Appendix D

### Limited Hazardous Materials Inspection Report

# Limited Hazardous Materials Inspection Report

42 Minor Road  
East Haven, CT  
Connecticut Department of Housing Application No. 1211  
Lothrop Associates Project No. 1524-06

**Lothrop Associates LLP**  
Hartford, CT

April 24, 2014



Fuss & O'Neill EnviroScience, LLC  
56 Quarry Road  
Trumbull, CT 06611



**FUSS & O'NEILL**  
EnviroScience, LLC

April 26, 2014

Mr. Thomas Streicher  
Project Architect  
Lothrop Associates LLP  
100 Pearl Street, 14<sup>th</sup> Floor  
Hartford, CT 06103

**RE: Limited Hazardous Materials Inspection**  
42 Minor Road, East Haven, Connecticut  
Fuss & O'Neill EnviroScience Project No. 20140370.A7E  
Lothrop Associates Project No. 1524-06

Dear Mr. Streicher:

Enclosed is the report for the limited hazardous materials inspection performed at 42 Minor Road located in East Haven, Connecticut.

The inspection was performed from April 14, 2014, through April 18, 2014, by Fuss & O'Neill EnviroScience, LLC licensed inspector and included an asbestos inspection, testing for lead-based paint, a mold visual assessment, and an airborne radon assessment.

The information summarized in this document is for the above-mentioned materials only. It does not include information on other hazardous materials that may exist in the property (such as underground storage tanks, PCB containing building materials, etc.).

If you have any questions regarding the contents of this report, please do not hesitate to contact us at 203) 374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kevin McCarthy  
Project Manager

Robert L. May, Jr.  
President  
NEHA NRPP # 105366 RT

56 Quarry Road  
Trumbull, CT  
06611  
t 203.374.3748  
800.286.2469  
f .203.374.4391

[www.fando.com](http://www.fando.com)

Connecticut  
Massachusetts  
Rhode Island  
South Carolina

Enclosure



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---

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APPENDIX D	- LEAD PAINT TESTING PROCEDURES AND EQUIPMENT
APPENDIX E	- LEAD TESTING FIELD DATA SHEETS
APPENDIX F	- AIRBORNE RADON ASSESSMENT RESULTS AND CHAIN OF CUSTODY



# 1 Introduction

On April 14, 2014, through April 18, 2018, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Analyst, Eduardo Miguel Marques, a State of Connecticut licensed Asbestos Inspector and Certified Lead Paint Inspector, performed a limited hazardous materials Inspection at 42 Minor Road located in East Haven, Connecticut. Refer to *Appendix A* for EnviroScience certifications and licenses.

This inspection was performed in response to the Connecticut Department of Housing Community Development Block Grant Disaster Recovery (CDBG-DR) "Hurricane Sandy". The inspection including the following:

- Inspection for asbestos containing materials (ACM)
- Lead based-paint inspection
- Mold visual assessment
- Airborne radon assessment

The asbestos inspection was limited and addressed specific materials to be impacted by renovation activities as detailed in the Lothrop Associates LLP initial property inspection report. Refer to *Appendix B* for report.

## 2 Asbestos Inspection

A Property Owner must ensure that performance of a thorough inspection for asbestos-containing materials (ACM), prior to possible disturbance of materials containing asbestos during renovation or demolition, is conducted. This is a requirement of the U.S. Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40 CFR Part 61, Sub-Part M.

This includes Friable, Non-Friable Category I, and Non-Friable Category II ACM.

- A Friable Material is defined as material that contains greater than one percent (>1%) asbestos, that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains greater than one percent (>1%) asbestos (e.g. packings, gaskets, resilient floor coverings, asphalt roofing products, etc.) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material (excluding Category I materials) that contains greater than one percent (>1%) asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

During this inspection, suspect ACM were separated into three EPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded insulation on pipe fittings. Surfacing ACM includes all ACM that is sprayed, troweled, or otherwise applied to an existing surface. Surfacing ACM is

commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Samples are recommended to be collected in a manner sufficient to determine asbestos content and include homogenous building materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected, but recommends the use of sampling protocols included in 40 CFR Part 763, Sub-Part E - Asbestos Containing Materials in Schools.

Samples of suspect asbestos-containing materials were collected in accordance with EPA recommendations and Asbestos Hazard Emergency Response Act (AHERA) protocols. The protocols included the following:

1. Surfacing Materials (SURF) (e.g. plaster, spray-on fireproofing, etc.) were collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
  - a. Three samples collected from each homogenous area that is less than or equal to ( $\leq$ ) 1,000 square feet.
  - b. Five samples collected from each homogenous area that is greater than ( $>$ ) 1,000 square feet, but less than or equal to 5,000 square feet.
  - c. Seven samples collected from each homogenous area that is greater than ( $>$ ) 5,000 square feet.
2. Thermal System Insulation (TSI) (e.g. pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.

Miscellaneous Materials (MISC) (e.g. floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The Asbestos Consultant – Inspector collected samples and prepared proper chain of custody for transmission of samples to an accredited laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, quantity, sample identification, and asbestos content are identified by bulk sample analysis in Table 1 of the “Results” section. Any materials on the site not listed in the following tables should be considered suspect ACM until sample results prove otherwise. Refer to *Appendix C* for PLM analytical results for asbestos bulk samples.

## 2.1 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be **non-ACM**:

**Table 1**  
**Non-Asbestos Containing Materials**

Sample No.	Location	Material Type
041414EMM-01A-C	Exterior	Cement coating on foundation
041414EMM-02A-B	Crawlspace	Paper backing on insulation
041414EMM-03A-B	Side entrance stairway	Caulking on concrete stair
041414EMM-04A-B	Exterior siding	Fiberboard behind wood siding
041414EMM-05A-B	Exterior siding	Silver paper insulation behind vinyl siding
041414EMM-06A-C	Exterior siding	Black vapor barrier behind siding
041414EMM-07A-C	Pitched roof	Black vapor barrier under roof shingle
041414EMM-08A-B	Flat roof	Exhaust penetration caulk
041414EMM-09A-B	Roof joint between pitch and flat roof	Glue associated with metal flashing
041414EMM-10A-B	Roof	Penetration flashing
041414EMM-11A-B	Pitched roof	Flashing cement patch work
041414EMM-12A-C	Pitched roof	Roof shingle
041414EMM-13A-B	Flat roof	Top layer rolled sheet roof
041414EMM-14A-B	Flat roof	Bottom layer rolled sheet roof
041414EMM-15A-C	Enclosed side porch	Textured ceiling
041414EMM-16A-B	Enclosed porch	Fiberboard ceiling
041414EMM-17A-B	Living room/corridor	Thin set
041414EMM-18A-B	Living room/corridor	Mortar
041414EMM-19A-C	Bedroom	Sheetrock/joint compound (composite)
041414EMM-20A-C	Bedroom	Joint compound

## 2.2 Discussion

The EPA defines any material that contains greater than one percent (>1%) asbestos, utilizing PLM, as being an ACM. Materials that are identified as “none detected” are specified as not containing asbestos.

## 2.3 Conclusion

The materials sampled during this Inspection were determined to be non-ACM.

Any suspect material encountered during renovation/demolition that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample results prove otherwise.



### 3 Lead-Based Paint Testing

Comprehensive testing for lead paint was performed at 42 Minor Road in East Haven, Connecticut, by EnviroScience's Environmental Analyst Eduardo Miguel Marques on April 14, 2014, for the purpose of compliance with EPA's Renovation, Repair and Painting Rule (RRP) (40 CFR 745.80 through 92). A direct reading X-ray fluorescence (XRF) analyzer was used to perform the testing. The testing was conducted in accordance with the protocol outlined in the attached document: Testing Procedures and Equipment (*Appendix D*).

For the purpose of this testing, interior and exterior components representing the initial painting history of the buildings and any building-wide repainting by the owners/managers of these building components were tested.

The one-story residential building was constructed with wood. Window systems are composed of wood and metal while door systems are composed of wood. Interior walls and ceilings are constructed of sheetrock. There were no children under the age of six present in the residence at the time of the inspection.

---

#### 3.1 Results

The testing indicated consistent painting trends throughout the building interior and exterior. No painted components were determined to contain toxic levels of lead (greater than 1.0 milligrams of lead per square centimeter of paint) with the exception of the following:

**Table 2**  
**Lead Painted Building Components**

Item	Location	Reading (mg/cm <sup>2</sup> )	Defective?
Sheetrock ceilings	Side porch – room 1	1.1, 1.1	Yes
	Front porch – room 2	1.1	No

---

#### 3.2 Conclusion

The following building components were determined to contain toxic levels of lead (greater than 1.0 milligrams of lead per square centimeter of paint):

- Sheetrock ceilings in the side porch and front porch

If these components are to be demolished during renovations, a Toxicity Characteristic Leaching Procedure (TCLP) of the demolition waste stream needs to be collected to determine disposal requirements.

The field testing sheets are provided as *Appendix E* in this report.



**Disclaimer:** The information contained in this report concerning the presence or absence of lead paint does not constitute a comprehensive lead inspection under Connecticut regulations Section 19a-111-1 to 11. The surfaces tested represent only a portion of those surfaces that would be tested to determine whether the premises are in compliance with Connecticut regulations.

The Contractor shall be aware that OSHA has not established a level of lead in a material below which 29 CFR 1926.62 does not apply. The Contractor shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers and building occupants.

For purposes of complying with the U.S. Environmental Protection Agency's Renovation, Repair and Painting Rule (RRP) (40 CFR 745.80 through 92) a Comprehensive Lead Inspection of the entire structure or targeted areas scheduled for renovation is necessary to determine if the RRP rule is applicable. A Comprehensive Lead Inspection includes testing representative coated surfaces of each building component in each room or room equivalent for Lead-Based paint content. All similar components to the surface tested on a per room basis shall be considered as having the same paint (e.g. If more than one window or door in a room typically only one is tested but remaining must be assumed to be the same as the one tested). **This inspection was performed as a comprehensive inspection of all representative surfaces within the residence that are scheduled to be disturbed and can be utilized to determine applicability requirements for the RRP rule on surfaces tested.**

Those surfaces which contain lead paint are subject to RRP work practice and training requirements if more than de-minimus amounts are disturbed in renovation or for projects involving window replacement. Those surfaces which do not contain lead paint are not subject to the RRP requirements. If a specific component or surface is not identified as having been tested it should be presumed to contain lead paint unless tested. Contractor's should be aware that the threshold limit of 1.0 mg/cm<sup>2</sup> for purposes of RRP requirements is not recognized by the Occupational Safety and Health Administration (OSHA) and workers' exposures are still subject to lead in construction regulation 29 CFR 1926.62 regardless of paint testing results.

## 4 Mold Visual Assessment

On April 9, 2014, EnviroScience representative Eduardo Miguel Marques performed a visual assessment for the presence of suspect mold and water intrusion.

---

### 4.1 Observations

Based on our observations, the sheetrock ceiling in the enclosed side porch displayed signs of water damage at the time of the inspection.

---

### 4.2 Recommendations

Potential exposure to mold during renovation should be considered and appropriate work protection, possible use of engineering controls and surface treatment of mold on building materials to remain should be considered.

Building materials to remain in areas of visible suspect mold growth should be cleaned and have a mold inhibitor applied to them, if possible. Remediation of visible suspect mold growth and removal of water damaged building materials should be performed under negative pressure using properly trained and protected workers. Removal should comply with guidance according to EPA and the Institute of Inspection, Cleaning and Restoration Certification (IICRC).

## 5 Airborne Radon Information, Sampling and Procedure

---

### 5.1 Radon Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium which is found in soil and rock throughout the United States. Radon travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually the gas itself decays into radioactive particles (decay products) that can become trapped in the lungs during human respiration. As these particles in turn decay they release small bursts of radiation which can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

EPA studies have found that radon concentrations in outdoor air average approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products can accumulate too much higher concentrations inside a building. The EPA has adopted an action level of 4.0 pCi/L; equal to or above which the EPA recommends that building owners take action to reduce the level of airborne radon with the building.

Radon is a colorless, odorless and tasteless gas and thus the only way to know whether or not an elevated level of radon is present in a building is to test. Each frequently occupied room that is in contact with the ground should be measured as even adjacent rooms can have significantly different levels of radon.

Again, radon is a known human carcinogen. Prolonged exposure to elevated radon concentrations causes an increased risk of lung cancer. Like other environmental pollutants, there is some uncertainty about the magnitude of radon health risks. However, scientists are more certain about radon risks than risks from most other cancer-causing environmental pollutants as estimates of radon risk are based on studies of cancer in humans (underground miners). Additional studies on more typical, non-occupationally exposed, populations are underway.

EPA estimates that radon may cause about 14,000 lung cancer deaths in the U.S. each year, with a range of 7,000 to 30,000. The U.S. Surgeon General has warned that radon is the second-leading cause of lung cancer deaths after smoking, and is the leading cause among non-smokers.

### 5.2 Airborne Radon Sampling

On April 14, 2014 through April 18, 2014, EnviroScience representative Eduardo Miguel Marques set up passive radon detection canisters in the residence and then retrieved the same canisters at least 48 hours but not later than 96 hours later. The canisters were supplied by Radon Testing Corporation of America

(RTCA). It is recommended that such canisters be placed at least 20 inches from the floor and 12 inches away from exterior walls. Also, it is recommended that the canisters not be placed near drafts resulting from HVAC intakes and returns, doors, and at least 36 inches from windows. Canisters should also not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12 hours prior to testing being conducted.

Sample analysis is performed by RTCA and results are included in *Appendix F*.

---

### 5.3 Airborne Radon Quality Assurance Procedure

EPA strongly recommends that quality assurance measurements are included in radon measurement studies. Quality assurance measurements include side-by-side canisters (duplicates), and unexposed control canisters (blanks).

**Duplicates** are pairs of canisters deployed in the same location, side by side, for the same measurement period. Duplicates are placed in at least ten percent of all sampling locations. These duplicate canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either or both of the analyses in a duplicate pairing is above the EPA standard of 4.0 pCi/L the relative percent difference (RPD) between the two tests must be determined. If the allowable difference is exceeded, the test is determined to be invalid and a new duplicate test must be run. If both canister results are below the EPA standard then the RPD is not calculated since, despite any disparity, both results are below the EPA standard.

**Blanks** are utilized to determine whether the manufacturing, shipping, storage, and processing of the canisters has affected the accuracy of airborne radon sampling procedures. Blanks are unopened, unexposed canisters which are set out with and shipped with the exposed canisters so that the processing laboratory treats them equally. The number of blanks is at least five percent of the number of canisters deployed up to a maximum of 25 canisters.

---

### 5.4 Airborne Radon Analytical Results

Four canisters, including one duplicate and one blank, were placed inside the residence during the sampling period that occurred between April 14, 2014 through April 18, 2014. The concentration of radon in the sample and associated duplicate sample ranged from 0.1 pCi/L to 0.2 pCi/L. The EPA threshold for radon is 4.0 pCi/L.



In *Table 3*, the location and result of the quality control duplicate test is listed below.

**Table 3  
Duplicate Sample Result**

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Kitchen	2308494 2304843	0.1	0.2	0.15	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

**Note** Duplicate testing result was satisfactory.

In *Table 4*, the location and result of the quality control blank test is listed below.

**Table 4  
Blank Sample Result**

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Bedroom	2302393	0.1

**Note** Blank testing result was satisfactory.

## 5.5 Conclusion

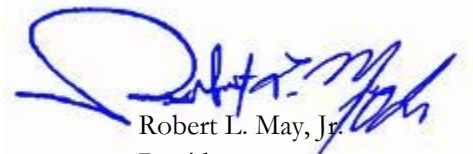
During the course of the airborne radon measurement assessment, four sampling canisters, including one duplicate and one blank, were placed in the residence. The samples were below EPA recommended action guideline of 4.0 pCi/L.

Report prepared by Environmental Analyst Eduardo Miguel Marques.

Reviewed by:



Kevin McCarthy  
Project Manager



Robert L. May, Jr.  
President  
NEHA NRPP # 105366 RT

## Appendix A

---

### Fuss & O'Neill EnviroScience Certifications



0601729 FP \*\*PRSR T7 0 0664 06040

EDUARDO M. MARQUES  
FUSS & ONEILL ENVIRO SCIENCE LLC  
146 HARTFORD ROAD  
MANCHESTER CT 06040

Dear Licensed/Certified Professional,  
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603  
P.O. Box 340308  
M.S.#12MQA <http://www.dph.state.ct.us>  
Hartford, CT 06134-0308

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Date and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for use only on your person. It can be used only to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

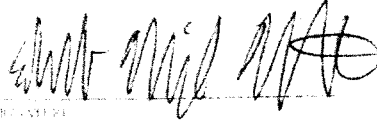

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A

**ASBESTOS CONSULTANT-INSP/MGMT PLANNER**

EDUARDO M. MARQUES

LICENSE NO.  
000201  
CURRENT THROUGH  
02/28/15  
VALIDATION NO.  
03-720789

EDUARDO M. MARQUES JEWEL MULLEN  
EMPLOYEE COMMISSIONER



EMPLOYER'S COPY

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
EDUARDO M. MARQUES

VALIDATION NO. 03-720789      LICENSE NO. 000201      CURRENT THROUGH 02/28/15

PROFESSION  
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

EDUARDO M. MARQUES JEWEL MULLEN  
EMPLOYEE COMMISSIONER



WALLET CARD

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
EDUARDO M. MARQUES

VALIDATION NO. 03-720789      LICENSE NO. 000201      CURRENT THROUGH 02/28/15

PROFESSION  
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

EDUARDO M. MARQUES JEWEL MULLEN  
EMPLOYEE COMMISSIONER

# Fuss & O'Neill EnviroScience, LLC


146 Hartford Road, Manchester, CT 06040 - (860) 646-2469


This is to certify that

**Eduardo Miguel Marques**

XXX-XX-8045

has successfully completed the  
**4 Hr. Asbestos Inspector Refresher**  
Asbestos Accreditation under TSCA Title II  
40 CFR Part 763

  
John Rowinski, Principal Instructor

  
Robert L. May, Jr., Training Manager

September 4, 2013

Date of Course

AI-R-09/13-9

Certificate Number

September 4, 2013; A

Examination Date & Grade

September 4, 2014

Expiration Date

0001728 FP \*\*PRSRT T 7 0 0664 06040

EDUARDO M. MARQUES  
FUSS & ONEILL ENVIRO SCIENCE LLC  
146 HARTFORD ROAD  
MANCHESTER CT 06040

Dear Licensed/Certified Professional,  
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603  
P.O. Box 340308  
M.S.#12MQA <http://www.dph.state.ct.us>  
Hartford, CT 06134-0308

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display one large card in a prominent place in your office or place of business.
3. This card is for your records only. If you do not wish to receive the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's copy is to be placed in the employee's file kept by them as a part of your personnel file. First copies of this card can be supplied on form.

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
EDUARDO M. MARQUES

VALIDATION NO. 03-720788 CERTIFICATION NO. 002132 CURRENT THROUGH 02/28/15

PROFESSION  
LEAD INSPECTOR

SIGNATURE COMMISSIONER

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

LEAD INSPECTOR

EDUARDO M. MARQUES

CERTIFICATION NO.  
002132  
CURRENT THROUGH  
02/28/15  
VALIDATION NO.  
03-720788

SIGNATURE

COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
EDUARDO M. MARQUES

VALIDATION NO. 03-720788 CERTIFICATION NO. 002132 CURRENT THROUGH 02/28/15

PROFESSION  
LEAD INSPECTOR

SIGNATURE

COMMISSIONER

# Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

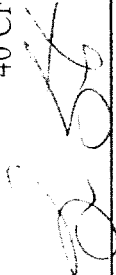
This is to certify that

**Eduardo Miguel Marques**

xxx-xx-8045

has successfully completed the  
**8 Hour Lead Inspector Refresher Course**  
(Approved per Sec. 20-477, CT General Statutes)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.



Brian Santos, Principal Instructor

February 20 & 24, 2014

*Date of Course*

February 24, 2014

*Examination Date*



Robert L. May, Jr., Training Manager

LI-R-02/14-1

*Certificate Number*

February 24, 2015

*Expiration Date*

## Appendix B

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### Lothrop Associates LLP Initial Property Inspection Report



**State of Connecticut Department of Housing  
 Community Development Block Grant  
 Disaster Recovery (CDBG-DR) "Hurricane Sandy"**

Application No. 1211  
 Residence of Martin Patricelli  
 42 Minor Road  
 East Haven CT

LA project No. 1524-06

**Initial Property Inspection Report**

Property Inspected 26 Feb 2014  
 Report Date 6 March 2014  
 Rev. NA



**Present at inspection:**

Martin Patricelli, Homeowner  
 Thomas Streicher, AIA, Lothrop Associates LLP  
 Maurizio Huaylla, Lothrop Associates LLP

Damage compliant by owner	Inspection observation <i>Recommendation</i>	Rehabilitation Cost projection	Mitigation Cost projection
<b>The property is in an AE Flood Zone</b> 10' above datum zero: If the dwelling is remediated and raised above the flood zone a new post and beam structure with new footings will be designed and constructed. The existing foundation walls and footings shall be removed with this new construction included in the cost of this item estimate. Modification of existing and/or construction of new exterior stairs to accommodate the new elevation are included in this item cost.			\$100,000
<b>Insulation in crawl space:</b> Owner states storm surge enter the crawl space and damaged and dislodged the floor insulation	The floor insulation area that was observable was either water damaged or missing. Note: due to clutter in the crawl space it was not possible to take a photo of the condition:  <i>Recommendation: Remove the damaged insulation and replace. Note: owner expressed a desire to replace the insulation with some sort of foam insulation. If this is done ensure it is a closed cell type and water resistant.</i> <b>If the dwelling is to be raised above the flood zone: Provide new soffit panel material and new framed soffits around any plumbing to remain.</b>	\$2,200 (Batt insulation)	\$3,500 (Batt insulation)
<b>Porch Windows:</b> Owner states 3 porch windows had one sash blow off during the storm. Missing sashes have been replaced.	All porch windows are in place  <i>Recommendation: protect from damage during other operations.</i>	NA	NA



<p><b>Roof:</b> Owner states a few roof shingled blew away during the storm and the roof leaked. owner states he had the roof repaired and it no longer leaks.</p>	<p>It appears recent attempts were made to repair the roof when compared to Google maps photos. There are a few areas where a few shingles have been recently replaced. Additionally, there is a painted on sealant of some sort over the roof valleys and at some roof to wall flashing areas.  <b>See figure 1</b></p> <p><i>Recommendation: Although the repairs currently do not leak, it can be considered a temporary repair. The roof membrane and all layers and underlayment should be removed and replaced with new roof system.</i></p>	<p>\$7,500</p>	<p>\$7,500</p>
<p><b>Siding and exterior trim:</b>  Owner states some random trim is broken and siding is dislodged</p>	<p>Some gable end trim is broken and some siding is dislodged from its correctly installed configuration  <b>See figures 2 and 3</b></p> <p>Recommendation: Replace Broken trim and reinstall siding, replace broken parts if and as required.</p>	<p>\$1,000</p>	<p>\$1,000</p>
<p><b>Cost Projection Total</b></p>		<p>\$10,700</p>	<p>\$112,000</p>

**Additional comments:** it appears this project would be classified as a repair if done as a rehabilitation only. If done as a mitigation project it would classify as an alteration.



Figure 1

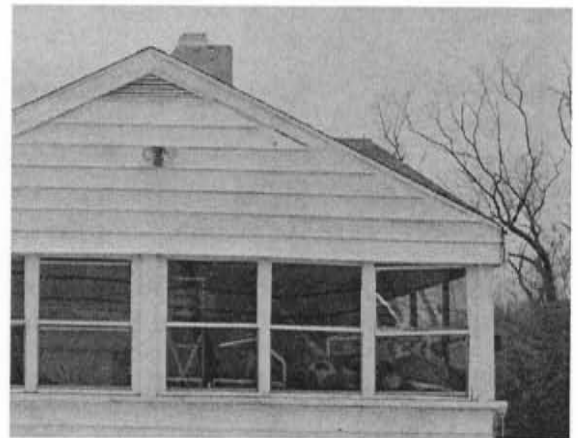


Figure 2



Figure 3

## Appendix C

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### Asbestos Sample Results and Chain of Custody





FUSS & O'NEILL  
EnviroScience, LLC

47 PLM

www.fando.com

146 Hartford Road, Manchester, CT 06040

041409976

Phone (860)646-2469 Fax (860) 649-6883

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 2

Project Name: Lotrap Assoc.

Project No. 20140330. AFE

Building: 42 Mirror Rd., East Haven, CT

Project Manager: KM

Sample ID	Sample Location	Material	Result (%)
041409976-01A-C	Exterior	Foundation - cement coating	
-02A-B	Crawl space	Bucking paper to insulation	
-03A-B	side porch stairs	caulk of concrete stair	
-04A-B	Exterior - siding	After board behind siding	
-05A-B	↓ ↓	silver paper (barn behind vinyl siding)	
-06A-C	↓ ↓	black vapor barrier behind siding	
-07A-C	Roof - pitched	black vapor barrier under shingle	
-08A-B	Flat roof	exhaust penetration caulk	
-09A-B	Junction between flat/pitched roof	gbc assoc. w/ metal flashing	
10A-B	Roof	penetration flashing	
11A-B	Roof	flashing cement patches pitched roof	
12A-C	Roof - pitched	roof shingle	
13A-B	Flat roof	top layer rolled sheet	
14A-B	↓	bottom layer under rolled sheet	
15A-C	Side porch	textured coating	

Analysis Method:  PLM  Other

Turnaround time: 24 hr.

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: *[Signature]* Date: 4-14-14 Time: 11:15

Samples [Rec'd] [Sent by] | | | Date: | | | Time: |

Samples Received by: *[Signature]* Date: 4/15/14 Time: 10:15

Shipped To:  EMSL State *[Signature]*  Other

Method of Shipment:  Fed Ex  Other

Q:\EnviroScience\Admin\FORMS\Asbestos\Asbestos Bulk Chain of Custody\_rev 0611.doc

OrderID: 041409976



**FUSS & O'NEILL**  
EnviroScience, LLC

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146 Hartford Road, Manchester, CT 06040

041409976

Phone (860)646-2469 Fax (860) 649-6883

**SAMPLE LOG FOR ASBESTOS BULKS**

Sheet 2 of 2

Project Name: Lothrop Assoc.

Project No. 20140370. A7E

Building: 42 Minor Rd., East Haven, CT

Project Manager: KM

Sample ID	Sample Location	Material	Result (%)
041409976-16A-B	Side porch	Fiber board ceiling	
-17A-B	Wall tiles	thin set	
-18A-B	↓	mortar	
-19A-C	Bedroom	spectrocke / joint comp. (composite)	
-20A-C	↓	Joint comp.	

BLOGV-51 DE 1112

Analysis Method:  PLM  Other

Turnaround Time: 24 hr.

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ . Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

**Special Instructions:** Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: [signature] Date: 4-14-14 Time: 9 AM

Samples [Rec'd][Sent by] [ ] [ ] Date: [ ] [ ] Time: [ ] [ ]

Samples Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped To:  EMSL State NT  Other \_\_\_\_\_

Method of Shipment:  Fed Ex  Other \_\_\_\_\_

Q:\EnviroScience\Admin\FORMS\Asbestos\Asbestos Bulks Chain of Custody\_rev 0611.doc



**EMSL Analytical, Inc.**

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EMSL Order: 041409976  
 CustomerID: ENVI54  
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 ProjectID:

Attn: **Kevin McCarthy** Phone: (860) 646-2469  
**Fuss & O'Neill EnviroScience, LLC** Fax: (888) 838-1160  
**146 Hartford Road** Received: 04/15/14 10:15 AM  
**Manchester, CT 06040** Analysis Date: 4/15/2014  
 Collected: 4/14/2014

Project: **LOTHROP ASSOC., 42 MINOR ROAD, EAST HAVEN, CT/ 20140370.A7E**

**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
041414EMM-01A 041409976-0001	EXTERIOR - FOUNDATION-CEMENT COATING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-01B 041409976-0002	EXTERIOR - FOUNDATION-CEMENT COATING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-01C 041409976-0003	EXTERIOR - FOUNDATION-CEMENT COATING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-02A 041409976-0004	CRAWLSPACE - BACKING PAPER TO INSULATION	Tan/Silver Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
041414EMM-02B 041409976-0005	CRAWLSPACE - BACKING PAPER TO INSULATION	Tan/Silver Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
041414EMM-03A 041409976-0006	SIDE PORCH STAIRS - CAULK @ CONCRETE STAIR	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-03B 041409976-0007	SIDE PORCH STAIRS - CAULK @ CONCRETE STAIR	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Jennifer Mallerio (27)  
 Quynh Vu (20)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 04/16/2014 07:09:19



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**146 Hartford Road** Received: 04/15/14 10:15 AM  
**Manchester, CT 06040** Analysis Date: 4/15/2014  
 Collected: 4/14/2014

Project: **LOTHROP ASSOC., 42 MINOR ROAD, EAST HAVEN, CT/ 20140370.A7E**

**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
041414EMM-04A 041409976-0008	EXTERIOR SIDING - FIBERBOARD BEHIND SIDING	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
041414EMM-04B 041409976-0009	EXTERIOR SIDING - FIBERBOARD BEHIND SIDING	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
041414EMM-05A 041409976-0010	EXTERIOR SIDING - SILVER PAPER/ FOAM BEHIND VINYL SIDING	Brown/Silver Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
041414EMM-05B 041409976-0011	EXTERIOR SIDING - SILVER PAPER/ FOAM BEHIND VINYL SIDING	Brown/White/Silver Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
041414EMM-06A 041409976-0012	EXTERIOR SIDING - BLACK VAPOR BARRIER BEHIND SIDING	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
041414EMM-06B 041409976-0013	EXTERIOR SIDING - BLACK VAPOR BARRIER BEHIND SIDING	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

Analyst(s)

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 Quynh Vu (20)

Stephen Siegel, CIH, Laboratory Manager  
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**146 Hartford Road** Received: 04/15/14 10:15 AM  
**Manchester, CT 06040** Analysis Date: 4/15/2014  
 Collected: 4/14/2014

Project: **LOTHROP ASSOC., 42 MINOR ROAD, EAST HAVEN, CT/ 20140370.A7E**

**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
041414EMM-06C 041409976-0014	EXTERIOR SIDING - BLACK VAPOR BARRIER BEHIND SIDING	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
041414EMM-07A 041409976-0015	ROOF-PITCHED - BLACK VAPOR BARRIER UNDER STORAGE	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
041414EMM-07B 041409976-0016	ROOF-PITCHED - BLACK VAPOR BARRIER UNDER STORAGE	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
041414EMM-07C 041409976-0017	ROOF-PITCHED - BLACK VAPOR BARRIER UNDER STORAGE	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
041414EMM-08A 041409976-0018	FLAT ROOF - EXHAUST PENETRATION CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-08B 041409976-0019	FLAT ROOF - EXHAUST PENETRATION CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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Attn: **Kevin McCarthy**  
**Fuss & O'Neill EnviroScience, LLC**  
**146 Hartford Road**  
**Manchester, CT 06040**

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 04/15/14 10:15 AM  
 Analysis Date: 4/15/2014  
 Collected: 4/14/2014

Project: **LOTHROP ASSOC., 42 MINOR ROAD, EAST HAVEN, CT/ 20140370.A7E**

**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
041414EMM-09A 041409976-0020	JUNCTION BETWEEN FLAT/ PITCH ROOF - GLUE ASSOC. W/ METAL FLASHING	Gray/Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-09B 041409976-0021	JUNCTION BETWEEN FLAT/ PITCH ROOF - GLUE ASSOC. W/ METAL FLASHING	Gray/Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-10A 041409976-0022	ROOF - PENETRATION FLASHING	Silver Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
041414EMM-10B 041409976-0023	ROOF - PENETRATION FLASHING	Silver Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
041414EMM-11A 041409976-0024	ROOF - FLASHING CEMENT PATCH @ PITCHED ROOF	Silver Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
041414EMM-11B 041409976-0025	ROOF - FLASHING CEMENT PATCH @ PITCHED ROOF	Silver Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)

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 Quynh Vu (20)

Stephen Siegel, CIH, Laboratory Manager  
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**146 Hartford Road** Received: 04/15/14 10:15 AM  
**Manchester, CT 06040** Analysis Date: 4/15/2014  
 Collected: 4/14/2014

Project: **LOTHROP ASSOC., 42 MINOR ROAD, EAST HAVEN, CT/ 20140370.A7E**

**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
041414EMM-12A 041409976-0026	ROOF- PITCHED - ROOF SHINGLE	Gray/Red/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
041414EMM-12B 041409976-0027	ROOF- PITCHED - ROOF SHINGLE	Gray/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
041414EMM-12C 041409976-0028	ROOF- PITCHED - ROOF SHINGLE	White/Black/Green Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
041414EMM-13A 041409976-0029	FLAT ROOF - TOP LAYER ROLLED SHEET	Gray/Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
041414EMM-13B 041409976-0030	FLAT ROOF - TOP LAYER ROLLED SHEET	Gray/Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
041414EMM-14A 041409976-0031	FLAT ROOF - BOTTOM LAYER UNDER ROLLED SHEET	Gray/Black Fibrous Homogeneous	20% Cellulose 10% Glass	70% Non-fibrous (other)	None Detected
041414EMM-14B 041409976-0032	FLAT ROOF - BOTTOM LAYER UNDER ROLLED SHEET	Gray/Black Fibrous Homogeneous	20% Cellulose 10% Glass	70% Non-fibrous (other)	None Detected
041414EMM-15A 041409976-0033	SIDE PORCH - TEXTURED CEILING	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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**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
041414EMM-15B 041409976-0034	SIDE PORCH - TEXTURED CEILING	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-15C 041409976-0035	SIDE PORCH - TEXTURED CEILING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-16A 041409976-0036	SIDE PORCH - FIBERBOARD CEILING	Gray Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
041414EMM-16B 041409976-0037	SIDE PORCH - FIBERBOARD CEILING	Gray Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
041414EMM-17A 041409976-0038	WALL TILES - THIN SET	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-17B 041409976-0039	WALL TILES - THIN SET	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-18A 041409976-0040	WALL TILES - MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-18B 041409976-0041	WALL TILES - MORTAR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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**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
041414EMM-19A 041409976-0042	BEDROOM - SHEETROCK/ JOINT COMPOUND (COMPOSITE)	Brown/White Fibrous Heterogeneous	15% Cellulose 3% Glass	82% Non-fibrous (other)	None Detected
Sample analyzed as a composite at client's request.					
041414EMM-19B 041409976-0043	BEDROOM - SHEETROCK/ JOINT COMPOUND (COMPOSITE)	Brown/White Fibrous Heterogeneous	15% Cellulose 5% Glass	80% Non-fibrous (other)	None Detected
041414EMM-19C 041409976-0044	BEDROOM - SHEETROCK/ JOINT COMPOUND (COMPOSITE)	Brown/White Fibrous Heterogeneous	15% Cellulose 10% Glass	75% Non-fibrous (other)	None Detected
041414EMM-20A 041409976-0045	BEDROOM - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-20B 041409976-0046	BEDROOM - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
041414EMM-20C 041409976-0047	BEDROOM - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Stephen Siegel, CIH, Laboratory Manager  
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## Appendix D

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### Lead Paint Testing Procedures and Equipment



## **STANDARD OPERATING PROCEDURES HUD AND STATE OF CONNECTICUT LEAD-BASED PAINT INSPECTIONS**

### **TESTING PROCEDURES AND EQUIPMENT**

The U. S. Department of Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead Hazards in Housing, September 1997" were consulted for this lead evaluation. HUD has been the agency at the federal level with responsibility for the establishment of national lead-based paint standards for testing and abatement. The HUD document will be referenced as the Guidelines in this report. The State of Connecticut Department of Public Health's current lead regulations, Lead Poisoning Prevention and Control (19a-111-1 through 19a-111-11) were also consulted.

This lead evaluation was comprehensive. A comprehensive inspection means that representative painted surfaces were systematically evaluated on a room-by-room basis in accordance with the Guidelines and the State of Connecticut regulations.

Lead-based paint surfaces and components were identified by utilizing on-site x-ray fluorescence (XRF) instruments. Fuss & O'Neill EnviroScience, LLC owns and utilizes Radiation Monitoring Device LPA-1s (RMD) instruments exclusively for lead-based paint testing. Each instrument is operated in accordance with state and federal and manufacturer standards on the use of the instruments. State and federal protocols provide, with the exception of wall surfaces, one reading with the instrument on a representative component in each room, i.e., baseboard, chair rail, etc., as sufficient to establish the lead paint classification of all the representatives of that component type in a room. In the case of walls, because of the large spatial areas involved and the variability in lead content in paint over such large areas, the federal and state governments want a reading on each wall surface in a room. Therefore, representative testing is not permitted for walls.

The federal government has developed Performance Characteristic Sheets (PCS) for the type of instrument cited above. Each instrument must be calibrated in accordance with these PCSs on a 1.0-milligram lead standard. Each of EnviroScience's instruments has one of these standards assigned to it. Some of the standards were purchased directly from the government and the others from the manufacturers of the instruments.

For the RMD in the standard reading mode on metal, a Substrate Equivalent Lead (SEL) concentration has to be determined. To determine the SEL, the paint is removed from the surface of the component to obtain a bare substrate reading. After removing the paint, the surface is wiped with a 5% trisodium phosphate solution (a heavy duty cleaner). All paint residue is collected and properly disposed. Once the paint and surrounding area are cleaned, the XRF is utilized to determine the SEL for each surface. The SEL values are subtracted from the XRF values to determine the Corrected Lead Concentration (CLC). The CLC is the lead content of the paint on the component tested.

The RMD instrument has federal government-determined positive and negative ranges for the definition of lead-based paint. XRF results are classified using either the threshold or the inconclusive range. For the threshold, results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold. There is no inconclusive



classification when using the threshold values associated with an RMD instrument. The ranges for the RMD instrument and their various operating modes are as follows:

**Radiation Monitoring Device LPA Analyzer 1**

<b>30-Second Standard Mode Reading Description</b>	<b>Substrate</b>	<b>Threshold (mg/cm<sup>2</sup>)</b>
Results corrected for substrate bias on metal substrate only.	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

<b>Quick Mode Reading Description</b>	<b>Substrate</b>	<b>Threshold (mg/cm<sup>2</sup>)</b>	<b>Inconclusive Range (mg/cm<sup>2</sup>)</b>
Readings not corrected for substrate bias on any substrate.	Brick	1.0	None
	Concrete	1.0	None
	Drywall	1.0	None
	Metal	1.0	None
	Plaster	1.0	None
	Wood	1.0	None

Prior to the start of any testing, a sketch of the building is drawn, and side designations are given to help identify exactly where readings were taken. Drawings depicting the room-numbering scheme are located on the cover page(s) for the building(s) inspected. Each side of the building was labeled A, B, C, or D. The wall "A" side of the unit is generally the side of primary entrance into a dwelling, and this room is always Room 1. Areas in the units include rooms, hallways, and closets. Areas are numbered in a clockwise fashion as building construction allows. This allows the inspector to indicate which substrate surface was tested. The condition of the surface is described by a check mark in the appropriate column, under the heading "condition of surface" on the testing form.

When more than one surface type was present on a side, the component tested was indicated with a number. If two windows were present on a building side, they were numbered left to right. Closet shelves and shelf supports were numbered top to bottom.

It is understood that the room layouts presented in the report are in conformance with the conditions that exist at the time the testing is performed. EnviroScience avoids labeling a room solely by its current functional use (i.e., living room, bedroom, etc.) since this use can change over time. Similarly, room layouts can change dramatically as dwellings are renovated and additions are built, incorporating existing rooms, or existing interior walls are moved or eliminated altogether.



## Appendix E

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### Lead Testing Field Data Sheets





### LEAD INSPECTION COVER SHEET

#### Inspector's Information

Inspector's Name: Eduardo Miguel Marques License Number: 002132  
 XRF Model: RMD Serial Number: 324RI  
 Date of Inspection: 7-14-14 Project Number: 20140370-A7E

#### Property Information

Building Address: 42 Minor Rd.  
East Haven, CT (Street) (City) (State)  
 Describe Structure: one story residential, wood/metal window systems, wood door systems  
sheetrock walls/ceilings

- Are there lead hazards present?  Yes  No
- Were lead dust wipes taken?  Yes  No
- Were soil samples collected?  Yes  No
- Were drinking water samples collected?  Yes  No

Multiple Family Dwelling

Single Family Dwelling

Is there an EBL child present?  
 Yes  No  Unknown

Is there a child under six years of age in the dwelling?  
 Yes  No  Unknown

Number of units in building: \_\_\_\_\_  
 Number of units tested: \_\_\_\_\_  
 Is there an EBL child present in the building?  
 Yes  No  Unknown  
 If EBL child, which unit(s)? \_\_\_\_\_  
 Is there a child under six years of age in the building?  
 Yes  No  Unknown  
 If child under six, which unit(s)? \_\_\_\_\_

#### XRF Calibration Check

- Calibration Paint Film Used:  NIST 1.02 mg/cm<sup>2</sup>  Manufacturer's Standard 1.0 mg/cm<sup>2</sup>
- Calibration Check Limits Used:  RMD (0.7 to 1.3 mg/cm<sup>2</sup> inclusive)  
 Scitec MAP4 (0.6 to 1.2 mg/cm<sup>2</sup> inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	8:15 am	0.9	1.0	1.0	0.96
Second Check	10:20 am	0.8	0.9	0.9	0.86
Third Check					
Fourth Check					





Project Name: Lothrop Assoc.

Project Number: 20140370. A7E

Address: 42 Minor Rd. East Haven, CT

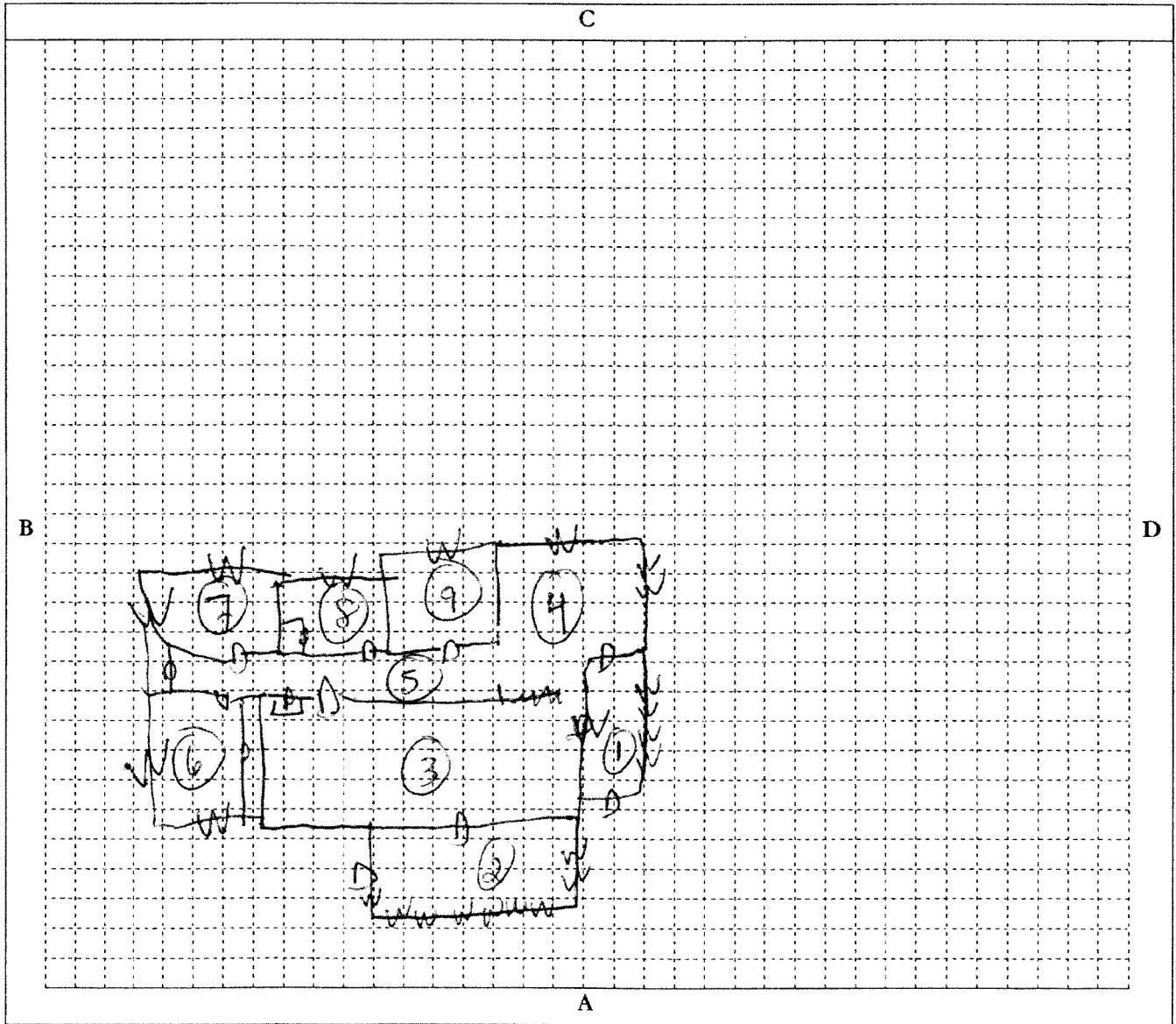
Project Manager: KM



Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Apt. #/Bldg #: \_\_\_\_\_

Number of Doors: \_\_\_\_\_ No. of Windows: \_\_\_\_\_

Diagram of: Interior



# Room Number     Door     Window    Page \_\_\_\_ of \_\_\_\_



**XRF FIELD DATA SHEET**

Address: 72 Minor Rd., East Haven, CT

Apt. #: \_\_\_\_\_

Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Page 1 of 5

Project Name: Lothrop Assoc.

Project Number: 20140370.A7E

Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	siding	-0.1		vinyl					Extender ↓
A	↓	0.1		W					
A	w. trim	-0.4		W					
A	w. Sash	-0.2		M					
A	w. sill	-0.2		M					
A	bench	-0.2		W					
A	railing	-0.3		M					
A	stair tread	-0.2		W					
	steps/landing	-0.2		W					
B	storm door	-0.3		M					
A	Bsmt. w. trim	-0.0		W					
B	foundation	0.0		C					
B	w. trim	0.1		W					
C	orange trim	0.2		W					
C	door	-0.6		W					
C	door jamb	0.1		W					
C	soft trim	0.1		W					
C	door	-0.3		W					
C	door trim	-0.4		W					
C	fascia	-0.0		W					
D	railing	-0.1		W					
D	railing post	-0.0		W					
D	crawl space trim	-0.1		W					
D	↓ door trim	-0.1		W					
	(crawl space ceiling w/ st)	0.3	✓	W					
	ceiling	1.1	✓	S	yes				
A	wall st	-0.0		S					
B	↓	-0.2		C					
C	↓	-0.2		W					
D	↓	-0.0		W					

\* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B  
 N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement  
 Notes: \_\_\_\_\_



XRF FIELD DATA SHEET

Address: 42 Minor Rd., East Haven, CT

Apt. #: \_\_\_\_\_

Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Page 2 of 5

Project Name: Lothrop Assoc.

Project Number: 20140370.A7E

Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
D	w trim	-0.4		M					side porch - Rm 1
B	door trim	0.7		W					
C	door	-0.2		W					↓
C	door jamb	-0.1		W					
	ceiling	1.1	✓	S	NO				Front porch - Rm 2
A	walls	-0.0		W					
B	↓	-0.2		W					↓
C	↓	-0.0		W					
D	↓	0.0		W					↓
B	w trim	0.2		W					
B	w sill	0.6		W					↓
B	ceiling molding	0.3		W					
B	storm door	-0.3		M					↓
C	↓ trim	0.0		W					
C	door	-0.1		M					↓
C	door jamb	-0.4		W					
A	walls	N/C		Hle					Rm 3
B	↓	↓		↓					
C	↓	↓		↓					↓
D	ceiling	-0.1		S					
C	door	0.1		W					↓
C	door trim	0.1		W					
C	door jamb	0.2		W					↓
B	TV stand trim	0.2		W					
A	w trim	-0.1		W					↓
A	w saghi	-0.1		W					
A	w sill	0.3		W					↓
D	wall	-0.4		S					
	ceiling	-0.0		S					Rm 4
A-D	walls	N/C		Hle					

\* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B

N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement

Notes:



XRF FIELD DATA SHEET

Address: 42 Minor Rd., East Haven CT

Apt. #: \_\_\_\_\_

Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Page 3 of 5

Project Name: Lothrop Assoc.

Project Number: 20140370.A7E

Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
C	cabinets	-0.2		W					Rm 4
C	w. trim	-0.0		W					
C	w. sill	-0.2		W					
C	w. Sash	-0.1		W					
A	door	-0.0		W					↓
A	door trim	-0.1		W					
A	door jamb	-0.3		W					
A-C	walls	N/C		H/C					Rm 5
D	wall	-0.2		W					↓
C	door	-0.1		W					
C	door trim	-0.1		W					
C	door jamb	-0.1		W					
B	wall - closet	-0.1		S					
A	wall	-0.0		S					
C	↓	-0.1		S					
	hatch - attic	-0.2		W					
	↓ - trim	-0.0		W					
	ceiling	0.0		S					
	ceiling	0.1		S					Rm 6
A	wall	-0.4		S					↓
B	↓	-0.1		S					
C	↓	-0.2		S					
D	↓	-0.3		S					
C	door	0.2		W					
C	door trim	0.2		W					
C	door jamb	0.4		W					
A	w. trim	-0.2		W					
A	w. sill	-0.0		W					
A	w. Sash	-0.3		W					
D	shelf gate	-0.2		W					↓
	ceiling - closet	-0.1		S					

\* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B

N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement

Notes: \_\_\_\_\_



XRF FIELD DATA SHEET

Address: 72 Minor Rd., East Haven, CT

Apt. #: \_\_\_\_\_

Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Page 4 of 5

Project Name: Lothrop Assoc.

Project Number: 20170370.A7E

Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	closet wall	0.2		S					Run 6
B		-0.1		S					
C		0.0		S					
D		-0.1		S					
A	shelf support	-0.0		W					Run 7
A	wall	-0.2		S					
B		0.0		S					
C		-0.2		S					
D		0.1		S					
C	w. trim	-0.1		W					
C	w. sash	0.0		W					
C	w. sill	-0.2		W					
	ceiling	-0.0		S					
A	shelf	-0.2		W					
A	closet wall	-0.1		S					Run 8
B		0.0		S					
C		-0.2		S					
A	film-door	-0.1		W					
A	door	-0.3		W					
A	door film	-0.3		W					
A	door jamb	-0.1		W					
	ceiling	0.2		S					
A	wall	0.1		S					
B		-0.0		S					
C		-0.1		S					
B		0.1		S					
C	w. sill	-0.3		W					
C	w. sash	-0.1		W					
C	w. trim	-0.1		W					
A	door	-0.3		W					
A	door jamb	0.1		W					

\* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B  
 N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement  
 Notes: \_\_\_\_\_



XRF FIELD DATA SHEET

Address: 42 Minor Rd., East Haven, CT

Apt. #: \_\_\_\_\_

Floor: \_\_\_\_\_ Room: \_\_\_\_\_

Page 5 of 5

Project Name: Lotwop Assoc.

Project Number: 20140370.17E

Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	door trim	0.0		W					Rm. 9
B	closet	N/C		W					↓
A	wall	-0.3		S					Rm 9
B	↓	-0.2		S					
C	↓	-0.2		S					
D	↓	-0.1		S					
	ceiling	0.2		S					
C	w. trim	0.2		W					
C	w. sash	0.1		W					
C	w. sill	-0.1		W					
A	door	-0.2		W					
A	door trim	-0.2		W					
A	door jamb	-0.1		W					
C	siding	0.1		W					exterior

\* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B  
 N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR - Vinyl Replacement  
 Notes: \_\_\_\_\_

## Appendix F

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### Airborne Radon Assessment Results and Chain of Custody



## Site Radon Inspection Report

Date : 4/22/2014

Ms. Karron Redfield  
Fuss & O'Neill Enviroscience, LLC  
146 Hartford Road  
Manchester, CT 06040-

Client: Lothrop Assoc

Test Location 42 Minor Road

Project # 20140370.A7E

East Haven, CT 06512-

## Individual Canister Results

Canister ID# : 2302393      Test Start : 04/14/2014 @ 10:03  
Canister Type : Charcoal Canister 3 inch      Test Stop : 04/18/2014 @ 08:07  
Location : BLANK      Received: 04/21/2014 @ 11:09  
Radon Level : **0.1 pCi/L**      Analyzed: 04/22/2014 @ 10:55  
Error for Measurement is:  $\pm$  0.8 pCi/L

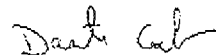
Canister ID# : 2304843      Test Start : 04/14/2014 @ 10:02  
Canister Type : Charcoal Canister 3 inch      Test Stop : 04/18/2014 @ 08:06  
Location : Kitchen - Dup      Received: 04/21/2014 @ 11:09  
Radon Level : **0.2 pCi/L**      Analyzed: 04/22/2014 @ 10:55  
Error for Measurement is:  $\pm$  0.3 pCi/L

Canister ID# : 2304859      Test Start : 04/14/2014 @ 10:03  
Canister Type : Charcoal Canister 3 inch      Test Stop : 04/18/2014 @ 08:07  
Location : Bedroom      Received: 04/21/2014 @ 11:09  
Radon Level : **0.1 pCi/L**      Analyzed: 04/22/2014 @ 10:55  
Error for Measurement is:  $\pm$  0.2 pCi/L

Canister ID# : 2308594      Test Start : 04/14/2014 @ 10:02  
Canister Type : Charcoal Canister 3 inch      Test Stop : 04/18/2014 @ 08:06  
Location : Kitchen      Received: 04/21/2014 @ 11:09  
Radon Level : **0.1 pCi/L**      Analyzed: 04/22/2014 @ 10:55  
Error for Measurement is:  $\pm$  0.2 pCi/L




Andreas C. George  
Radon Measurement Specialist  
NJ MES 11089



Dante Galan  
Laboratory Director

NRSB ARL0001  
NYS ELAP ID: 10806  
PADEP ID: 0346  
NJDEP ID: NY933  
NJ MEB 90036  
FL DOH RB1609



Site Radon Inspection Report

Date : 4/22/2014

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon ([www.epa.gov/radon/pubs/ditguide.html](http://www.epa.gov/radon/pubs/ditguide.html)). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at [www.epa.gov/iaq/radon](http://www.epa.gov/iaq/radon).

**For New Jersey clients:** Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

**For New York clients:** If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.

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**PLEDGE OF ASSURED QUALITY**

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or its consultants based on RTCA-provided results.

*Andreas C. George*

Andreas C. George  
Radon Measurement Specialist  
NJ MES 11089

*Dante Galan*

Dante Galan  
Laboratory Director

NRSB ARL0001  
NYS ELAP ID: 10806  
PADEP ID: 0346  
NJDEP ID: NY933  
NJ MEB 90036  
FL DOH RB1609



4/21/14

Disciplines to Deliver

ENVIII

DE

\*RTCA: These items must be included on our results pages  
**Radon Testing Summary Sheet**

\*Project Number: 20140370-AFE  
\*Client Name: Lothrop Assoc  
\*Building: 42 Minor Rd.  
\*Site Address: East Haven, CT

Placed by: EMM  
Retrieved by: EMM  
Start Date: 4-14-14  
Stop Date: 4-18-14  
Weather at Placement: Sunny

06512-

Contact/Phone #: \_\_\_\_\_

**Instructions:** Tear off center bar coded label from canister and affix to sheet in spaces provided. Please make sure top bar coded label is left on detector. Identify test location for each detector in space provided for that detector (room #, location in room, etc.). Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2308594

Start Time: 10:02 am  
Stop Time: 8:06 am  
Identifier: Kitchen

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2304843

Start Time: 10:02 am  
Stop Time: 8:06 am  
Identifier: Kitchen (Dup)

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2304859

Start Time: 10:03 am  
Stop Time: 8:07 am  
Identifier: Bedroom

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2302393

Start Time: 10:03 am  
Stop Time: 8:07 am  
Identifier: Bedroom (Blank)

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_