APPENDIX E

PHASE 1 ESA REPORT

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REPORT

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PREPARED FOR:

Martha's Vineyard Regional High School

Phase I Environmental Site Assessment Report

Martha's Vineyard Regional High School
100 Edgartown Vineyard Haven Road
Oak Bluffs, Massachusetts

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EXECUTIVE SUMMARY

Weston & Sampson Engineers, Inc. (Weston & Sampson), on behalf of Martha's Vineyard Public Schools and Tappe Associates, Inc. (Tappe), has prepared this Phase I Environmental Site Assessment (ESA) for a 60.177-acre property, known as Martha's Vineyard Regional High School and located at 100 Edgartown Road in Oak Bluffs , Massachusetts (the Subject Property).

Findings of the Phase I ESA are as follows:

- The earliest identified development of the Subject Property was as a school, circa 1960. A parking lot was built between 1977 and 1985. An addition was added to the building in 1995. A track was added between 1995 and 2006. The Subject Property is still used as a school.
- The surrounding area was developed for residential and commercial uses sometime prior to 1985. Prior to 1985 the surrounding area was primarily vacant land. Residential and commercial properties are now located in the vicinity of the Subject Property.
- Floor drains are located in the science rooms, bathrooms, boiler rooms, kitchens, woodshop, and transportation room.
- Chemicals and/or paints are stored in the chemistry labs, kitchen, maintenance closets, woodshop, maintenance garage, and ceramic studio. A parts cleaning station is located in the automotive shop. A 55-gallon drum of unidentified oil was observed outside of the eastern side of the Subject Property building. A 55-gallon drum of methanol was observed in the maintenance garage. The boiler room contained a 55-gallon drum of unknown contents.
- 16 propane tanks were observed throughout the Subject Property.
- Two boiler rooms on the Subject Property contained a total of eight oil burners.
- A pile of scrap metal was located outside of the western side of the Subject Property building.
- The building was taken off of the septic system over 10 years ago and is now connected to the municipal sewer system.
- Two Aboveground Storage Tanks (ASTs) 150-gallon No. 2 fuel oil are located north of the tennis courts near the horticultural buildings on the Subject Property. One AST is empty and abandoned, and the other is still in use.
- Two 10,000-gallon No. 2 fuel oil Underground Storage Tanks (USTs) are located on the Subject Property. One is located near the east side of the building, and one is near the southwest building corner. Both were installed prior to, or around, 1994. There are no known leaks or releases related to the USTs. However, records of regular testing/monitoring of the USTs was not provided.
- There was an unreported diesel fuel release approximately 3 years ago. Less than 20 gallons of diesel fuel were released from an idling bus. During the Site Reconnaissance a slight odor was observed in the area of the release, as well as a lack of vegetation growing in the vicinity of the release.
- Based on information provided during the Site reconnaissance, the diesel fuel release exceeded the MassDEP reportable quantity of 10 gallons and should have been reported to MassDEP. The likely presence of diesel fuel in soil and/or groundwater at the Subject Property due to the unreported release of diesel fuel to the environment associated with an idling bus is considered a REC.
- The likely presence of No. 2 fuel oil in soil and/or groundwater at the Subject Property due to the age of the two 10,000-gallon USTs and lack of inspection reports at the Subject Property represents a REC.

It is Weston & Sampson's opinion that additional investigation is appropriate to evaluate the RECs identified in this Phase I ESA.

Recommendations

Weston & Sampson recommends that a Phase II ESA be completed to address the identified RECs and characterize the Subject Property for redevelopment.

1.0 INTRODUCTION

Weston & Sampson Engineers, Inc. (Weston & Sampson), on behalf of Martha's Vineyard Public Schools and Tappe Architects (Tappe), has prepared this Phase I Environmental Site Assessment (ESA) for a 60.177-acre property known as Martha's Vineyard Regional High School and located at 100 Edgartown Vineyard Haven Road in Oak Bluffs, Massachusetts (the Subject Property). The Subject Property is developed with one one-story building(s). **Figure 1** shows the general location of the Subject Property in Oak Bluffs and **Figure 2** is a Site Plan showing pertinent details and surrounding area. **Appendix B** is a photograph log from the Subject Property reconnaissance.

This ESA was performed in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Site Assessment Process, Designation E1527-21 (the ASTM Standard Practice) and conforms with the EPA All Appropriate Inquiry (AAI) Rule. The Phase I ESA was performed to assess the Subject Property with respect to the range of potential contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA; 42 U.S.C. §9601). This practice is intended to help Martha's Vineyard Public Schools meet any obligations detailed in **Section 4.8.**

1.1 Purpose

Weston & Sampson was requested by Tappe to complete an ASTM Phase I ESA of the Subject Property in advance of completing proposed additions to the Subject Property. This practice is intended to permit the Martha's Vineyard School District to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Subject Property consistent with good commercial or customary practice" as defined in 42 U.S.C. § 9601(35)(B).

The purpose of the Phase I ESA is to identify Recognized Environmental Conditions (RECs) in connection with the Subject Property at the time of the Subject Property evaluation. The term Recognized Environmental Condition refers to "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of future release to the environment."

The ASTM definition of REC does not include de minimis conditions, which generally do not present a threat to human health or the environment and would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies.

The identification of RECs in connection with the Subject Property may impose an environmental liability on owners or operators of the Subject Property, reduce its value, or restrict its use or marketability. Further investigation may be warranted to evaluate the scope and extent of potential environmental liabilities.

Any significant scope-of-work additions, deletions or deviations to ASTM Practice E1527-21 are noted below or in pertinent sections of this report.

1.2 Scope of Work

This Phase I ESA was conducted using a standard of good commercial and customary practice consistent with the ASTM Standard Practice and included the following tasks:

- Review of previous environmental records and reports (if available)
- Regulatory records review
- Interviews (in-person, via phone, or via questionnaire)
- A Subject Property visit
- Evaluation of information and preparation of the report

Any significant scope-of-work additions, deletions, or deviations to the ASTM Standard Practice are noted below or in the corresponding sections of this report. A copy of the scope of services between Weston & Sampson and Tappe, specifying the work to be performed and responsibilities of the User, is included in Appendix A.

Releases of contaminants not defined as hazardous substances under CERCLA, but for which state or tribal regulations may require cleanup (including "emerging contaminants"), if documented, are discussed in appropriate sections throughout this report and as findings in Section 9. In accordance with the ASTM Standard Practice, if such a release presents a "risk which can have material environmental or environmentally driven impact on the business associated the current or planned use," it is further defined as a Business Environmental Risk (BER) in Section 9.

Unless requested, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. Although this Phase I ESA considers releases to all environmental media, including soil vapor, a formal vapor encroachment screening is not required by the Standard Practice, and is not included in this report.

1.3 Significant Assumptions

There is a possibility that, even with the proper application of these methodologies, there may exist Subject Property conditions that were not reasonably identifiable. Weston & Sampson believes that the information obtained from the record review and the interviews is reliable; however, Weston & Sampson cannot, and does not, warrant or guarantee that the information provided by third-party sources is accurate or complete. The methodologies of this assessment are not intended to produce all-inclusive or comprehensive results, but to provide Martha's Vineyard Public Schools with information relating to the presence or likely presence of RECs in connection with the Subject Property.

1.4 Limitations and Exceptions

The findings, opinions, and conclusions provided by Weston & Sampson are based solely on the information provided in this document. Future investigations and/or information that was not available to Weston & Sampson may result in a modification of the report findings. Should additional information become available, that information should be provided to Weston & Sampson for review so that the report conclusions may be modified if necessary. The report conclusions are based on conditions observed at the Subject Property at the time of the investigation, information provided by Martha's Vineyard Public Schools, information provided by Environmental Data Resources, Inc. (EDR), and information provided by federal, state, and local agencies.

This report has been prepared in accordance with the ASTM Standard Practice and generally accepted engineering and geological practices. No other warranty, express or implied, is made. This assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems (EMS) that may exist at the Subject Property.

Section 4.6.2 of ASTM E1527-21 identifies five (5) components of a Phase I ESA that must be conducted or updated within 180 days prior to the date of acquisition, or the transaction, to maintain continued viability of the Report. The five (5) components and the dates on which they were conducted for this Phase I ESA are:

1) Interviews with owners, operators, and occupants — September 30, 2024
2) Searches for recorded environmental cleanup liens - User responsibility
3) Reviews of federal, tribal, state, and local government records - October 1, 2024
4) Visual inspections of the Subject Property and adjoining properties -September 30, 2024
5) The declaration of the environmental professional responsible for the assessment or update - October 22, 2024

1.5 Deviations

Except for the limitations and exceptions discussed in Section 1.4, this Phase I ESA complies with the ASTM Standard Practice. Weston & Sampson did not deviate from the scope outlined in Section 1.2.

1.6 Special Terms and Conditions

Authorization was given by Tappe on May 10, 2024. Instructions as to the location of the Subject Property, access, and an explanation of the Subject Property and facilities to be assessed were provided by Tappe.

1.7 Reliance

This report may be distributed and relied upon only by Tappe and Martha's Vineyard Public Schools. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of Weston & Sampson and Tappe.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Legal Description

The Subject Property is located at 100 Edgartown Vineyard Haven Road, in Oak Bluffs, MA, and is identified by parcel identification numbers: 55-2-0 and 55-4-0. The approximate center of the Subject Property is located at:

- Latitude: 41.417712 North
- Longitude: 70.595839 West

2.2 Subject Property and Vicinity Description

The Subject Property is developed with an approximately 160,000 square-foot, municipal building used as a regional high school. Topography slopes gently down to the south. Groundcover consists primarily of asphalt, and grassy areas. The Subject Property is accessed from the north via Edgartown Vineyard Haven Road, or from the east from Sanderson Avenue. Both entrances are paved.

The surrounding area is primarily developed with residential development.

2.3 Current Use of the Subject Property

The Subject Property is zoned R3 and is currently used as the Martha's Vineyard Regional High School occupies the Subject Property.

2.4 Description of Structures and Other Improvements

The Subject Property building was constructed in 1960. An addition was added to the southern portion of the building in 1995. It is 160,000 square feet and has one story slab-on-grade. The foundation is concrete. The exterior is constructed of brick, and the interior finishes are drywall. The roof is constructed of tar and gravel.

The Town of Oak Bluffs supplies drinking water and sanitary wastewater is discharged to the municipal sanitary sewer system. Electricity is provided by Eversource Energy.

2.5 Adjoining Property Information

Weston & Sampson identified the following information regarding adjoining properties:

Adjoining Properties			
Compass Direction	**Occupant**	**Apparent Use**	**Comments**
North	Martha's Vineyard Community Services	Commercial	Marth's Vineyard Community Services, skatepark, and YMCA
South	Unknown	Undeveloped	Vacant land
East	Park	Mixed Use	Park with baseball fields, tennis courts, and other recreational facilities
West	Unknown	Residential	Residential dwellings

3.0 SITE RECONNAISSANCE

Jessica Podesta, Environmental Scientist, of Weston & Sampson, conducted the site reconnaissance on September 30, 2024. Meghan Shanahan and Ryan Niles are defined as the Environmental Professionals for this Phase I ESA and participated in the planning of the reconnaissance. Jason O'Donnell of Martha's Vineyard Regional High School accompanied Weston & Sampson.

3.1 Methodology and Limiting Conditions

Weston & Sampson conducted the Site Reconnaissance in accordance with Section 9 of the Standard Practice. The Site Reconnaissance consisted of observing the Subject Property boundaries from adjacent thoroughfares and/or accessible properties, and systematically traversing the Subject Property to provide an overlapping field of view, wherever possible.

Weston & Sampson observed the peripheries and interior of structures.

Photographs of taken during the Site Reconnaissance are provided in Appendix B.

No limiting conditions were encountered during the Site Reconnaissance.

3.2 General Setting

The Subject Property is approximately 60.177 acres and is developed with an approximately 160,000 square-foot, municipal building used as a regional high school. Topography at the Subject Property slopes gently down to the south. Groundcover consists primarily of landscaped green areas, asphalt, and sparsely vegetated soil. The Subject Property is accessed from the north via an entrance from Vineyard Haven Road, or from the east via an entrance from Sanderson Avenue.

The surrounding area is primarily residential homes. A skatepark, the YMCA, and Martha's Vineyard Community Services are located north of the Subject Property across Edgartown Vineyard Haven Road.

3.3 Site Reconnaissance Findings

The following table contains a summary of the Site Reconnaissance findings:

Site Reconnaissance Findings Summary		
Condition / Feature	**Observed**	**Comments**
Hazardous Substances	Yes	Chemical storage in chemistry labs, bleach products in cafeteria kitchen, various paints and cleaning products stored in maintenance closets, the woodshop, the maintenance garage, and ceramic studio. Parts cleaning station observed in automotive shop. Asphalt sealer, road salt, and starting fluid stored in maintenance garage.
Petroleum Products	Yes	A total of 16 propane tanks were observed in various locations outside the building, in the maintenance garage, and adjacent to the baseball field. Motor oil, hydraulic oil, metal cutting oil, grease, and lubricants observed in automotive shop. A 55-gallon drum of an unidentified oil was observed outside of the building on the eastern side, adjacent to the cafeteria kitchen doors. Small containers of gasoline and a 55-gallon drum of methanol observed in maintenance garage.
Underground Storage Tanks (USTs)	Yes	Evidence of two 10,000-gallon fuel oil USTs was observed, one on the southern end of the building outside the boiler room, the other on the eastern side of the building outside the cafeteria.

Condition / Feature	Observed	Comments
Aboveground Storage Tanks (ASTs)	Yes	Two approx. 150-gallon fuel oil ASTs were observed next to the horticulture greenhouse. The ASTs were observed to be in good condition.
Drums	Yes	Two 55-gallon drums of used antifreeze observed in automotive shop. A 55-gallon drum of an unidentified oil observed outside of building on the eastern side. 55-gallon drum of unknown contents observed in boiler room. 55-gallon drum of methanol observed in maintenance garage. The drums were observed to be in good condition.
Other Suspect Containers	No	
Odors	Yes	Soil with a slight fuel oil odor was observed on the southern edge of the site, adjacent to the baseball field.
Equipment Likely to Contain Polychlorinated Biphenyls (PCBs)	No	
Interior Staining and Corrosion	No	
Heating and Cooling Equipment	Yes	A total of eight oil burners were observed in two boiler rooms.
Drains and Sumps	Yes	Two floor drains observed in culinary arts kitchen, one drain observed in transportation office. Two floor drains observed in automotive shop. One floor drain observed in physics classroom. Eight square floor drains observed in large men's and women's locker rooms, and three floor drains observed in small men's and women's locker rooms. Shower trench drain observed in large men's locker room. Two floor drains and one floor sink drain observed in ceramic studio. Twelve floor drains and one floor sink drain observed in cafeteria kitchen. Floor drainage observed in multiple maintenance closets and bathrooms throughout building.
Pits, Ponds, and Lagoons	No	
Pools of Liquid	No	
Solid Waste Dumping and Landfills	Yes	Pile of scrap metal observed outside building on western side.
Stained Soil and Stressed Vegetation	Yes	A patch of soil with no vegetative growth was observed in the same area as the fuel oil odor.
Wells	No	
Wastewater and Septic Systems	No	

4.0 USER-PROVIDED INFORMATION

The information requested in the User Questionnaire is intended to assist the User in meeting their obligations under the ASTM Standard Practice and to assist the Environmental Professional in gathering evidence to identify RECs. Martha's Vineyard Public Schools (MVPS) was identified as the User of the report and Mark Friedman, with MVPS , provided the User responses. A copy of the User Questionnaire is provided in Appendix C. The following subsections summarize User responses.

4.1 Owner, Property Manager, and Occupant Information

Martha's Vineyard Regional High School, with offices at PO Box 1385, Oak Bluffs, MA, owns and operates the Subject Property. Jason O'Donnell, of Martha's Vineyard Regional High School is the Key Site Manager and has been associated with the Subject Property for the past one year. Jason O'Donnell conducted the tour of the Subject Property on September 30, 2024.

Current occupants of the Subject Property include:

- Martha's Vineyard Regional High School

4.2 Environmental Liens

MVPS reported no environmental cleanup liens filed against the Subject Property.

4.3 Activity and Use Limitations

MVPS reported no Activity and Use Limitations (AULs) in place at the Subject Property.

4.4 Specialized Knowledge

MVPS reported no specialized knowledge as it relates to the current and/or former use of the Subject Property.

4.5 Commonly Known or Reasonably Ascertainable Information

MVPS reported no commonly known or reasonably ascertainable information about the Subject Property that would be indicative of releases or threatened releases.

4.6 Valuation Reduction for Environmental Issues

MVPS reported that this Phase I ESA is being performed for reasons other than a property transfer. As such, there is no purchase price to which to compare the value of the Subject Property.

4.7 Degree of Obviousness of Contamination

MVPS reported no obvious indicators that point to the presence or likely presence of contamination at the Subject Property.

4.8 Reason For Performing Phase I ESA

MVPS reported that the Phase I ESA is being conducted as part of environmental due diligence prior to refinancing.

4.9 User-Provided Documents

MVPS did not provide any additional documents for review pertinent to the identification of RECs at the Subject Property.

5.0 RECORDS REVIEW

Performance of a Phase I ESA in accordance with the ASTM Standard Practice requires the review of practically reviewable publicly available records to define the regulatory history, physical setting, and history of use of the Subject Property, adjoining properties, and pertinent surrounding properties. The regulatory review is performed to understand the nature of any releases that have occurred within approximate minimum search distances of the Subject Property that have the potential to impact environmental media (i.e. soil, groundwater, and vadose zone) at the Subject Property. Physical setting information is reviewed to evaluate the general soil conditions and the presence and movement of groundwater. Historical information sources are evaluated to develop the historical Subject Property uses, to the extent feasible, back to the first development Site or 1940, whichever is earlier. These reviews help identify the likelihood that past releases and/or uses have led to RECs.

Weston & Sampson used a third-party data provider, Environmental Data Resources (EDR) of Shelton, Connecticut, to develop this information and meet the requirements of the ASTM Standard Practice. All data sources are defined in the following sections of this report and are referenced in **Appendices E, F, G, H,** and **I**.

Weston & Sampson may have reviewed other records. Any additional records that are reviewed are cited in the appropriate section of the report and in **Section 12.0**.

5.1 Physical Setting Records Review

In accordance with the ASTM Standard Practice, physical setting sources were reviewed to understand the nature of the topography, geology (soil and bedrock), and hydrogeology of the Subject Property. In addition, observations made during the Subject Property reconnaissance and information provided by EDR were consulted. In general, Weston & Sampson reviews available topographic, soil, and geologic maps, as well as Massachusetts Department of Environmental Protection (MassDEP) records.

5.1.1 Topography

Topography of the Subject Property slopes gently to the south. The Subject Property is situated approximately 79 feet above mean sea level. Figure 1 depicts the Subject Property and surrounding topography based on the United States Geological Survey (USGS) Quadrangle 7.5-minute series topographic map.

5.1.2 Geology

Overburden soil and bedrock geology sources included observation during the Subject Property reconnaissance, the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) information provided by EDR, and the Bedrock Geologic Map of Massachusetts.

5.1.2.1 Soil

Surficial soils at the Subject Property are classified as Urban Land (i.e. fill), and Riverhead, a well-drained sandy loam with moderate infiltration rates.

5.1.2.2 Bedrock

Bedrock geology at the Subject Property is mapped as Cretaceous sediments, clay, silt, sand, and gravel, mostly of non-marine and nearshore marine origin, Campanian and older.

5.1.3 Hydrogeology

The direction of local groundwater flow was inferred from a review of local surface topography to flow generally northwest. Weston & Sampson reviewed topographic maps to identify the nearest surface water bodies and MassDEP records for reports of groundwater elevations and flow directions.

5.1.3.1 Groundwater

It is anticipated that local groundwater flow is to the northwest toward Lagoon Pond.

5.1.3.2 Surface Water

The nearest surface water is the Lagoon Pond, located approximately 3,500 feet northwest of the Subject Property.

5.2 Historical Records Review

For this Phase I ESA, historical property information was compiled and analyzed to develop a history of the previous uses of the Subject Property, adjoining properties and surrounding area to help identify the likelihood of past uses having led to a REC for the subject property. EDR provided the following historical sources: Sanborn fire insurance maps, aerial photographs, topographic maps, and city directories.

5.2.1 Sanborn Fire Insurance Maps

Fire insurance map coverage was not available for this area.

5.2.2 Topographic Maps

Topographic maps were reviewed and are summarized in the table below. Topographic maps are included in **Appendix F.**

Topographic Maps Summary				
Year	**Quad**	**Subject Property Comments**	**Adjoining Properties Comments**	**Surrounding Area Comments**
1889, 1894	Marthas Vineyard	The Subject Property appears undeveloped.	The area immediately surrounding the Subject Property is mostly undeveloped.	Review of topographic maps for the surrounding area did not identify any concerns.
1944, and 1951	Vineyard Haven	Same as previous record.	The area immediately surrounding the Subject Property is more developed than the previous topographic map. Duarte Pond is shown west of the Subject Property, and Little Pond is shown south of the Subject Property. Lagoon is located north of the Subject Property.	Same as previous record.
1972	Vineyard Haven	Martha's Vineyard Regional High School is shown on the Subject Property.	Similar to previous record.	Same as previous record.
2012, 2015, and 2018	Edgartown,Vineyard Haven	The 2012, 2015, and 2018 maps depicted the Subject Property with surface elevations ranging from 50 feet above mean sea level (AMSL) to 100 feet AMSL.	Same as previous record.	Same as previous record.

5.2.3 Aerial Photos

Aerial photographs were reviewed and are summarized in the table below. Aerial photographs are included in **Appendix G.**

Aerial Photos Summary			
Year	**Subject Property Comments**	**Adjoining Properties Comments**	**Surrounding Area Comments**
1938	The Subject Property appears undeveloped.	North - Vacant land South - Vacant land East - Vacant land West - A circular clearing is visible to the west	North - Vacant land South - Vacant land East - Vacant land West - Vacant land
1952	Same as previous record.	North - Vacant land South - Vacant land East - Vacant land West - The circular clearing has been further cleared	North - Vacant land South - Vacant land East - Vacant land West - Vacant land
1960	The Subject Property is partially cleared and a building appears to be located on it.	Similar to previous record.	Similar to previous record.
1969, 1977	The Subject Property appears to be more developed with a parking lot visible west of the Subject Property building. Playing fields are visible in the eastern portion of the Subject Property, across Sanderson Ave.	Similar to previous record.	Similar to previous record.
1985	Similar to previous record.	North - Residential homes and a rectangular building. South - Vacant land East - Residential homes West - Vacant land	North - Vacant land and residential dwellings South - Vacant land and residential dwellings East - Residential homes West - Vacant land
1992	Similar to previous record.	North - More residential dwellings South - Vacant land East - Residential dwellings West - A new road is visible around cleared land	North - Residential dwellings South - Vacant land East - Residential dwellings West - Cleared land
1995	A new building is visible south of the previous building.	North - Residential dwellings South - Vacant land East - Residential dwellings West - Residential dwellings	Similar to previous record.
2006, 2010, 2014, and 2018	A track is visible south of the Subject Property building.	Similar to previous record.	Similar to previous record.

5.2.4 City Directories

City directories were reviewed and are summarized in the table below. City directories are included in **Appendix H.**

City Directories Summary			
Year	**Subject Property Comments**	**Adjoining Properties Comments**	**Surrounding Area Comments**
1984	Martha's Vineyard High School	Residential listings.	Residential listings.
1989, 1992, and 2000	Not listed.	Not listed.	Not listed.
2005	Not listed.	Not listed.	Commercial and residential listings.
2010	Not listed.	Residential listings.	Residential listings.
2014	Martha's Vineyard Community Television and MVTV	Residential and commercial listings.	Residential and commercial listings.
2017	M & M Community Development Inc Oak	Commercial listings.	Commercial listings.
2020	Not listed.	Residential listings.	Residential listings.

5.2.5 Other Land Use Records

No other land use records were reviewed as a part of this Phase I ESA because adequate historical information was obtained from other sources.

5.2.6 Historical Records Review Summary

The following historical use summary has been compiled from a review of Sanborn Fire Insurance Maps, aerial photographs, topographic maps, city directories, and other historical records referenced in this section.

The earliest identified development of the Subject Property was as a school, circa 1960. A parking lot was built between 1977 and 1985. An addition was added to the building in 1995. A track was added between 1995 and 2006. The Subject Property is still used as a school.

5.3 Standard Environmental Records Review

A review of standard regulatory databases maintained by federal, state, and tribal offices was completed through EDR. The databases were searched for properties with reported environmental conditions located within approximate minimum search distances as specified by the ASTM Standard Practice. As a part of this regulatory review, other non-ASTM standard database listings reported by EDR may have also been evaluated. In these cases, this section includes a supplemental discussion of any findings and our opinion as it relates to the identification of RECs. The detailed EDR Radius report, including the mapping of results and limitations of the search criteria, is contained in Appendix I.

The databases use geocoded information to identify the coordinates of the properties or to check the street addresses of practically reviewable non-geocoded orphan properties located within the same zip code. The EDR report defines acronyms that are not explicitly defined in this discussion, lists the names of all of the databases that were searched, the date information was last updated by EDR, and the date information was last updated by the original source.

Plotted locations of all database listings are not always accurate. For listings that are suspected to be inaccurate, Weston & Sampson uses the best available data when evaluating listing locations.

The table below summarizes the number of properties identified for each database. Available records for each of the identified listings were reviewed to assess the potential to impact the Subject Property. In general, releases with sources that are proximate to, and hydraulically upgradient of, the Subject Property have the greatest potential to impact it. Weston & Sampson reviewed the location of each listing to determine if it met these criteria. If one or more of the following conditions were met, the database listing may have been excluded from further consideration:

- Hydrogeologically isolated from the Subject Property (e.g., opposite bank of a river);

- At such distance that migration of contaminants to the Subject Property is unlikely (i.e. greater than 0.25-mile upgradient for hazardous substance sites and greater than 500 feet for petroleum sites); or
- Groundwater flow from the listed property is away from the Subject Property.

Those listings that were not excluded were evaluated in more detail to assess if they pose a threat. For these listings, summary tables are provided that include Weston & Sampson's opinion as to whether the Subject Property is likely to be impacted. References to MassDEP reports that were reviewed are included in Section 12.0.

The Subject Property was not identified in any databases searched by EDR.

No other listings, including unmapped 'orphan' listings, were identified by Weston & Sampson as likely to have current or former releases with the potential to migrate to the Subject Property.

Map Findings Summary								
Database	Target Property	Search Distance (Miles)	Listings <1/8-mile	Listings 1/8-1/4-mile	Listings 1/4-1/2-mile	Listings 1/2-1-mile	Listings >1-mile	Total Listings
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
FEDERAL FACILITY		0.5	0	0	0	NR	NR	0
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-VSQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	0	0	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
DOD		1	0	0	0	0	NR	0
FUDS		1	0	0	0	0	NR	0
US BROWNFIELDS		0.5	0	0	0	NR	NR	0
CONSENT		1	0	0	0	0	NR	0
UMTRA		0.5	0	0	0	NR	NR	0
ODI		0.5	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0

Database	Target Property	Search Distance (Miles)	Listings <1/8-mile	Listings 1/8-1/4-mile	Listings 1/4-1/2-mile	Listings 1/2-1-mile	Listings >1-mile	Total Listings
DEBRIS REGION 9		0.5	0	0	0	NR	NR	0
PWS		TP	NR	NR	NR	NR	NR	0
ABANDONED MINES		0.25	0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN		0.25	0	0	NR	NR	NR	0
PFAS NPL		0.25	0	0	NR	NR	NR	0
PFAS ECHO		0.25	0	0	NR	NR	NR	0
UST FINDER RELEASE		0.5	0	0	0	NR	NR	0
PFAS TRIS		0.25	0	0	NR	NR	NR	0
FUSRAP		1	0	0	0	0	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
AQUEOUS FOAM NRC		0.25	0	0	NR	NR	NR	0
RCRA NonGen / NLR		0.25	0	0	NR	NR	NR	0
PFAS WQP		0.25	0	0	NR	NR	NR	0
IHS OPEN DUMPS		0.5	0	0	0	NR	NR	0
PFAS RCRA MANIFEST		0.25	0	0	NR	NR	NR	0
DOCKET HWC		TP	NR	NR	NR	NR	NR	0
PFAS FEDERAL SITES		0.25	0	0	NR	NR	NR	0
EPA WATCH LIST		TP	NR	NR	NR	NR	NR	0
EDR Hist Auto		0.125	0	NR	NR	NR	NR	0
PFAS TSCA		0.25	0	0	NR	NR	NR	0
2020 COR ACTION		0.25	0	0	NR	NR	NR	0
PFAS ATSDR		0.25	0	0	NR	NR	NR	0
PRP		TP	NR	NR	NR	NR	NR	0
PFAS NPDES		0.25	0	0	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
US FIN ASSUR		TP	NR	NR	NR	NR	NR	0
E MANIFEST		0.25	0	0	NR	NR	NR	0
PFAS PROJECT		0.25	0	0	NR	NR	NR	0
UST FINDER		0.25	0	0	NR	NR	NR	0
US AIRS		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.5	0	0	0	NR	NR	0
ECHO		TP	NR	NR	NR	NR	NR	0
PFAS PT 139 AIRPORT		0.25	0	0	NR	NR	NR	0
RMP		TP	NR	NR	NR	NR	NR	0
UXO		1	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.5	0	0	0	NR	NR	0
ROD		1	0	0	0	0	NR	0
FUELS PROGRAM		0.25	0	0	NR	NR	NR	0
US MINES		0.25	0	0	NR	NR	NR	0
LEAD SMELTERS		TP	NR	NR	NR	NR	NR	0
EDR Hist Cleaner		0.125	0	NR	NR	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
USGS WATER WELLS		1	0	0	0	0	NR	0
MINES MRDS		0.25	0	0	NR	NR	NR	0
BIOSOLIDS		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
SHWS		1	0	0	0	2	NR	2
SWF/LF		0.5	0	0	0	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
LUST		0.5	0	0	0	NR	NR	0
UST		0.25	0	0	NR	NR	NR	0
LAST		0.5	0	0	0	NR	NR	0
AST		0.25	0	0	NR	NR	NR	0

Database	Target Property	Search Distance (Miles)	Listings <1/8-mile	Listings 1/8-1/4-mile	Listings 1/4-1/2-mile	Listings 1/2-1-mile	Listings >1-mile	Total Listings
LIENS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.5	0	0	0	NR	NR	0
DRYCLEANERS		0.25	0	0	NR	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
HW GEN		0.25	0	0	NR	NR	NR	0
GWDP		TP	NR	NR	NR	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0
SPILLS 80		TP	NR	NR	NR	NR	NR	0
PFAS		0.25	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Financial Assurance		TP	NR	NR	NR	NR	NR	0
MA SPILLS		TP	NR	NR	NR	NR	NR	0
TSD		0.5	0	0	0	NR	NR	0
ENFORCEMENT		TP	NR	NR	NR	NR	NR	0
RGA LUST		TP	NR	NR	NR	NR	NR	0
DAY CARE		TP	NR	NR	NR	NR	NR	0
MERCURY		0.5	0	0	0	NR	NR	0
RELEASE		TP	NR	NR	NR	NR	NR	0
RGA HWS		TP	NR	NR	NR	NR	NR	0
SPILLS 90		TP	NR	NR	NR	NR	NR	0
WELLS		1	0	0	0	0	NR	0
ASBESTOS		TP	NR	NR	NR	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0
INDIAN ODI		0.5	0	0	0	NR	NR	0
INDIAN RESERV		1	0	0	0	0	NR	0
EDR MGP		1	0	0	0	0	NR	0

5.4 Local Records

Weston & Sampson made Freedom of Information Act (FOIA) requests with various Oak Bluffs offices including the Fire Department, Health Department, and the Inspectional Services Department and reviewed Tax Assessors records. FOIA requests were made on August 6, 2024. Pertinent findings are summarized in the following subsections. Copies of documents reviewed are provided in Appendix J.

5.4.1 Tax Assessor

Weston & Sampson completed a file review with the Oak Bluffs Assessors Office on September 30, 2024 (https://next.axisgis.com/Oak_BluffsMA/#). The current use of the Subject Property was identified as a high school. Copies of any records obtained are included in Appendix J.

5.4.2 Fire Department

Weston & Sampson performed a file review at the Oak Bluffs Fire Department - Fire Prevision Division with Meg O'Connor, Executive Assistant. Meg O'Connor, Executive Assistant, was asked to provide information relevant to environmental conditions at the Subject Property, including the current and/or former presence of USTs. The following records were identified:

- An application for Permit to install or alter fuel oil burning equipment dated February 27, 2017 for an existing underground storage tank.
- An Application for the Removal of a 10,000 gallon No. 2 fuel oil tank dated October 6, 1993.

- A Tank Closure Report dated October 28, 1993 for the removal of the 10,000 gallon No. 2 fuel oil underground storage tank (UST). No headspace readings over 5 parts per million (ppm) were recorded from soil samples collected from the tank grave. Soil samples were analyzed for total petroleum hydrocarbons (TPH). No TPH was detected in the samples. The Tank Closure Report concluded that no evidence of leaks or releases from the UST were identified.
- An Application for Permit dated October 24, 2012 for the installation of one 1,000-gallon tank, five 120-gallon tanks, and one 50-gallon tank.
- An Application for the installation of one 400-gallon boiler in the horticulture building.

5.4.3 Health Services Department

Weston & Sampson performed a file review at the Oak Bluffs Health Services Department with Lorna Welch, Assistant Health Agent. Lorna Welch, Assistant Health Agent, was asked to provide information relevant to environmental conditions at the Subject Property, including the storage and/or use of petroleum products and hazardous substances. The following records were identified:

- An email from Mark Friedman, Accounts Manager at Martha's Vineyard Regional High School dated August 9, 2010 indicating the school had discovered mold inside walls in the Culinary Arts Department area. A second email dated August 13, 2010 indicated that remediation work was taking place.
- An Indoor Air Quality Assessment from by the Massachussetts Department of Public Health dated January 2018 identified no serious problems. No carbon monoxide was detected, particulate matter (PM2.5) was measured below the National Ambient Air Quality (NAAQS) in all areas, and no Total Volatile Organic Compounds (VOCs) were detected in any areas.
- An Indoor Air Quality assessment dated June 1999 by the Massachusetts Department of Public Health identified elevated levels of carbon dioxide, which may indicate a ventilation problem. Roof leaks were also identified in some areas.
- An Indoor Air Quality Assessment dated March 28, 1996 stated that the Health Department had received complaints of eye, nose and throat irritation, and lethargy and lack of temperature control in schools. Elevated carbon dioxide was identified in the high school.

5.4.4 Inspectional Services Department

Weston & Sampson performed a file review at the Oak Bluffs Inspectional Services Department with Building Commissioner and Zoning Official, Matthew Rossi. Building Commissioner and Zoning Official Matthew Rossi was asked to provide information relevant to environmental conditions at the Subject Property, including the current and/or former presence of USTs. No pertinent information was identified.

5.4.5 Electric Utility

Weston & Sampson contacted Eversource Energy, the local electrical service provider, to request information concerning past releases from electric transformers on the Subject Property. Requests for this information were made on October 2, 2024. No information was provided within the time constraints of this project. The lack of a response from Eversource Energy does not constitute a significant data gap because MassDEP files were also searched for release information and would likely have included reference to releases from transformers.

5.5 Other Environmental Records

Weston & Sampson may consult other environmental records, if necessary, to develop the regulatory history of the Subject Property and surrounding area. In some cases, other records are reviewed to understand the specific nature of certain database listings. For this Phase I ESA, Weston & Sampson reviewed no other environmental records.

6.0 INTERVIEWS

To the extent practicable, Weston & Sampson interviews individuals with knowledge of current and past operations at the Subject Property. For this Phase I ESA, Weston & Sampson conducted an interview with a representative of the current owner. Interviews were performed either in person, via phone/virtual, or via a written questionnaire. Questions were focused on information that would lead to the identification of RECs in connection with the Subject Property. Pertinent information garnered during the interviews is summarized in the following subsections.

6.1 Current Owner

Mike Taus, a representative of the current owner, Martha's Vineyard Regional High School, was interviewed regarding the current and former use of the Subject Property. Pertinent findings are described below:

- Floor drains are located in the science rooms, bathrooms, boiler rooms, kitchens, woodshop, and transportation room.
- The Subject Property building was taken off of the septic system over 10 years ago and is now connected to the municipal sewer system.
- A sewer line and grinder pump runs from the baseball field building and ties into the municipal building.
- Two 10,000-gallon Number 2 fuel oil underground storage tanks (USTs) are located on the Subject Property. One is near the east side of the building and was installed prior to 1994. The other is near the southwest building corner and was installed in 1994.
- Two 150-gallon Number 2 fuel oil aboveground storage tanks (ASTs) are located north of the tennis courts for the horticulture department. One tank is empty and abandoned, and the other one is still in use.
- Several aboveground liquid propane tanks are located on the Subject Property.
- There are no known releases of oil or hazardous materials at the Subject Property.

6.2 Key Site Manager

Mike Taus, of Martha's Vineyard Regional High School, was also identified as the Key Site Manager. Pertinent interview responses are summarized in **Section 6.1.**

6.3 Current Occupants

Martha's Vineyard Regional High School currently occupies the Subject Property. Pertinent interview responses are summarized in **Section 6.1.**

6.4 Current Operators

Martha's Vineyard Regional High School currently operates the Subject Property. Pertinent interview responses are summarized in **Section 6.1.**

6.5 Past Owners

Past owners were not interviewed during this Phase I ESA because they were not identified by the current Owner.

6.6 Local Government Officials

Freedom of Information Action (FOIA) requests OR calls were made to several Oak Bluffs departments. The intent of these file reviews is to procure information that might aid in the identification of RECs that might exist on the Site. Pertinent information garnered from the local file reviews is summarized in Section 5.4.

6.7 Other Individuals

Other individuals were not interviewed during this Phase I ESA because they were deemed not likely to have a direct working knowledge of past operations at the Subject Property.

7.0 OTHER ENVIRONMENTAL CONSIDERATIONS

This section is reserved for a discussion of asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs) in building materials. The project scope did not include the identification of these building materials. Mold impacts were identified in documents obtained from the Oak Bluffs Health Department.

8.0 DATA GAPS

A data gap is a lack of, or inability to obtain, required information despite good faith efforts by the Environmental Professional. Significant data gaps are data gaps that affect the ability of the Environmental Professional to identify recognized environmental conditions. The following data gaps were identified:

- Data failure was encountered during the historical use source review related to the 5-year interval requirement.
- Past owners and occupants were not interviewed during this Phase I ESA.

It is Weston & Sampson's opinion that these data gaps do not represent significant data gaps because other information was able to be developed to suggest the nature of original Subject Property use and to define the continuity of use.

9.0 FINDINGS AND OPINIONS

A summary of relevant environmental findings, along with Weston & Sampson's professional opinions, are provided below:

- The earliest identified development of the Subject Property was as a school, circa 1960. A parking lot was built between 1977 and 1985. An addition was added to the building in 1995. A track was added between 1995 and 2006. The Subject Property is still used as a school.

- The surrounding area was developed for residential and commercial uses sometime prior to 1985. Prior to 1985 the surrounding area was primarily vacant land. Residential and commercial properties are now located in the vicinity of the Subject Property.

- Floor drains are located in the science rooms, bathrooms, boiler rooms, kitchens, woodshop, and transportation room.

- Chemicals and/or paints are stored in the chemistry labs, kitchen, maintenance closets, woodshop, maintenance garage, and ceramic studio. A parts cleaning station is located in the automotive shop. A 55-gallon drum of unidentified oil was observed outside of the eastern side of the Subject Property building. A 55-gallon drum of methanol was observed in the maintenance garage. The boiler room contained a 55-gallon drum of unknown contents.

- 16 propane tanks were observed throughout the Subject Property.

- Two boiler rooms on the Subject Property contained a total of eight oil burners.

- A pile of scrap metal was located outside of the western side of the Subject Property building.

- The building was taken off of the septic system over 10 years ago and is now connected to the municipal sewer system.

- Two Aboveground Storage Tanks (ASTs) 150-gallon No. 2 fuel oil are located north of the tennis courts near the horticultural buildings on the Subject Property. One AST is empty and abandoned, and the other is still in use.

- Two 10,000-gallon No. 2 fuel oil Underground Storage Tanks (USTs) are located on the Subject Property. One is located near the east side of the building, and one is near the southwest building corner. Both were installed prior to, or around, 1994. There are no known leaks or releases related to the USTs.

- There was an unreported diesel fuel release approximately 3 years ago. Less than 20 gallons of diesel fuel were released from an idling bus. During the Site Reconnaissance a slight odor was observed in the area of the release, as well as a lack of vegetation growing in the vicinity of the release.

- Based on information provided during the Site reconnaissance, the diesel fuel release exceeded the MassDEP reportable quantity of 10 gallons and should have been reported to MassDEP. The likely presence of diesel fuel in soil and/or groundwater at the Subject Property due to the unreported release of diesel fuel to the environment associated with an idling bus is considered a REC.

- The likely presence of No. 2 fuel oil in soil and/or groundwater at the Subject Property due to the age of the two 10,000-gallon USTs and lack of inspection reports at the Subject Property represents a REC.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the ASTM Standard Practice of Martha's Vineyard Regional HS located at Martha's Vineyard Regional HS, Oak Bluffs, Massachusetts. Any exceptions to, deletions from, this practice are described in Section 1.0. The assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property, except for the following:

- Based on information provided during the Site reconnaissance, the diesel fuel release exceeded the MassDEP reportable quantity of 10 gallons and should have been reported to MassDEP. The likely presence of diesel fuel in soil and/or groundwater at the Subject Property due to the unreported release of diesel fuel to the environment associated with an idling bus is considered a REC.

- The likely presence of No. 2 fuel oil in soil and/or groundwater at the Subject Property due to the age of the two 10,000-gallon USTs and lack of inspection reports at the Subject Property represents a REC.

No Significant Data Gaps were identified as part of this Phase I ESA.

Additional Investigation

It is Weston & Sampson's opinion that additional investigation is appropriate to evaluate the RECs identified in this Phase I ESA.

Recommendations

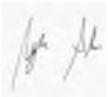
Weston & Sampson recommends that a Phase II ESA be completed to address the identified RECs and characterize the Subject Property for redevelopment.

11.0 SIGNATURES OF THE ENVIRONMENTAL PROFESSIONAL

This ESA was overseen by Qualified Environmental Professionals as defined in the ASTM Standard Practice, CERCLA, and the EPA AAI Final Rule. Qualifications for the Environmental Professionals are included in Appendix L.

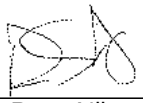
Environmental Professional Statement
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR § 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR § 312.

Authored by:



Meghan Shanahan
Environmental Scientist

Reviewed by:



Ryan Niles
Senior Project Manager

12.0 REFERENCES

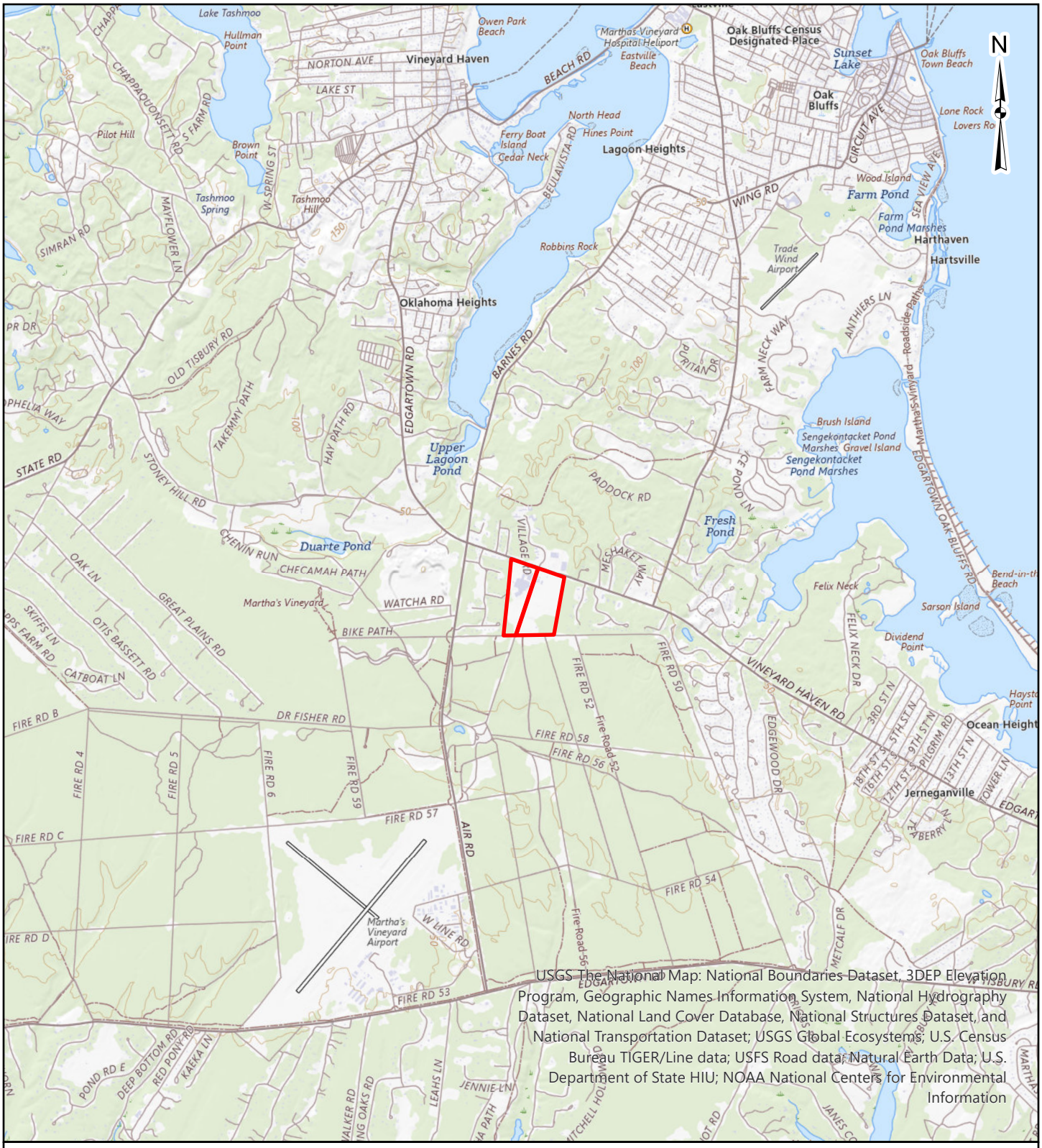
ASTM E1527-21, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, published by ASTM, West Conshohocken, PA.

Environmental Data Resources, Inc., The EDR Radius Map Report with GeoCheck, Historical Topographic Map Report, Aerial Photo Decade Package Report, City Directory Image Report, and Historical Fire Insurance Maps, Inquiry Number 7727842.2s, dated August 6, 2024.

Town of Oak Bluffs Assessors Office, Fire Department, Health Services Department, and Inspectional Services Department.

Zen, E-an (Editor), 1983, United States Geological Survey Bedrock Geologic Map of Massachusetts.

Figures



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information

Legend

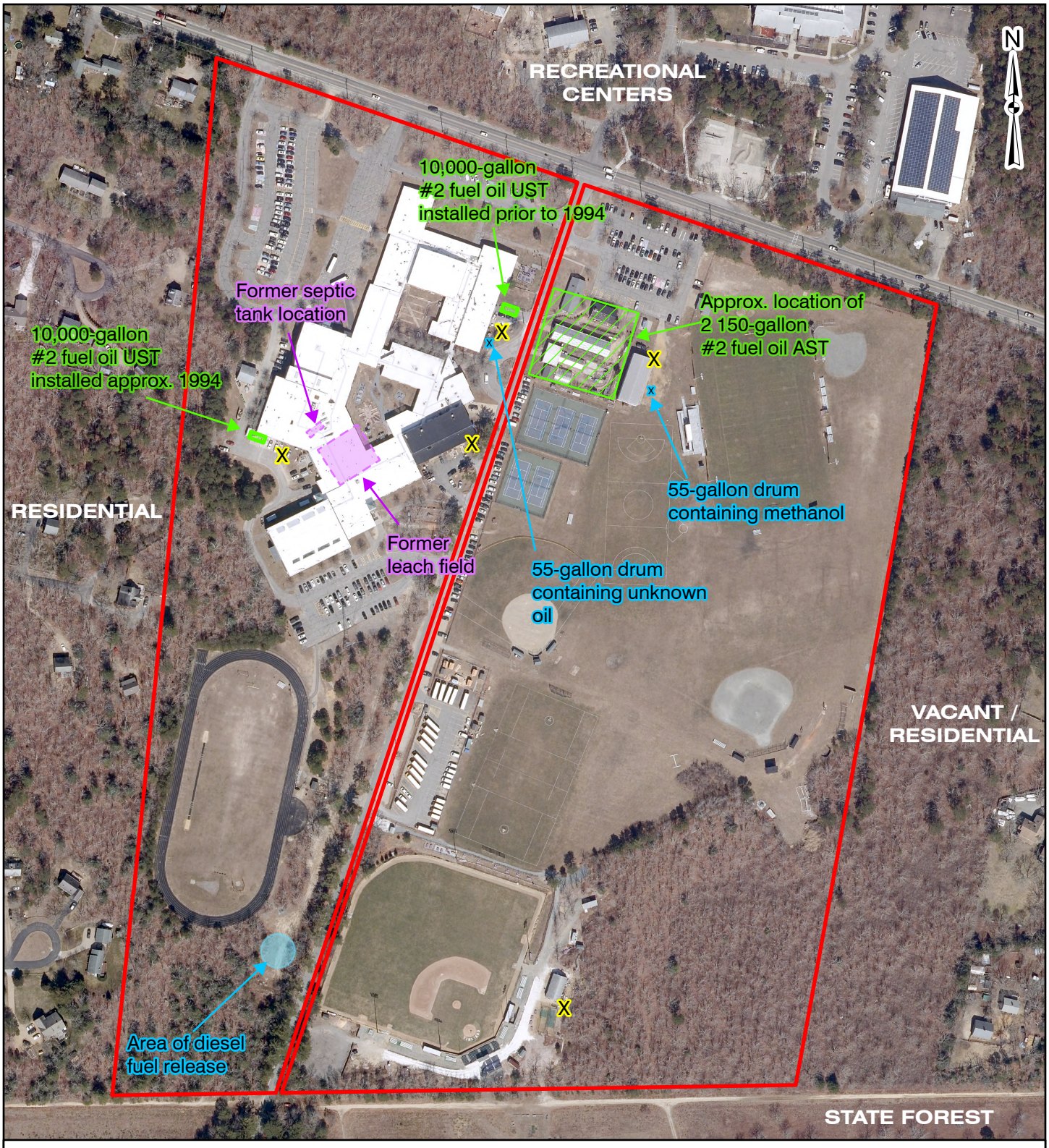
Subject Property

FIGURE 1
100 EDGARTOWN VINEYARD HAVEN ROAD
OAK BLUFFS, MASSACHUSETTS

LOCUS MAP

0 0.25 0.5 1 1.5 Miles

Weston & Sampson



Legend

- Subject Property
- Former septic features
- Petroleum storage tanks
- X Liquid petroleum tanks*
- x Drums*

* Observed during Site Reconnaissance

FIGURE 2
100 EDGARTOWN VINEYARD HAVEN ROAD
OAK BLUFFS, MASSACHUSETTS

SITE PLAN

0 100 200 400 600 Feet

Weston & Sampson

Appendix A:

Scope of Services

55 Walkers Brook Drive, Reading, MA 01867 (HQ)
Tel: 978.532.1900

May 10, 2024

Mr. Christopher Blessen, AIA
Principal
Tappé Architects, Inc.
Six Edgerly Place
Boston, MA 02116

Re: Preliminary Geotechnical & Environmental Assessments
Proposed Martha's Vineyard Regional High School Renovations
Oak Bluffs, Massachusetts

Dear Mr. Blessen:

In accordance with your request, Weston & Sampson Engineers, Inc. (Weston & Sampson) is pleased to provide you with this proposal to provide feasibility-level geotechnical and environmental engineering services for the proposed improvements to the Martha's Vineyard Regional High School located at 100 Edgartown Vineyard Haven Road in Oak Bluffs, Massachusetts. Based on preliminary information provided by Tappé Architects, Inc. (Tappé), we understand that proposed site improvements will include partial renovation, demolition, and expansion, or replacement of the existing school.

SITE CONDITIONS AND PROJECT UNDERSTANDING

The approximately 65-acre site is currently developed with the existing school building, asphalt paved driveways and parking areas, lawn areas, athletic fields, a running track, and tennis courts. Based on imagery available on Google Earth, grades at this site appear relatively level and increase gently from west to east.

Based on discussions with Tappé, we understand the project may include renovations of the existing high school, and new building additions. We also understand that the existing building may be replaced in its entirety. Additional information regarding building addition locations, proposed grading, structural loading, or building elevations and final locations have not yet been developed at the time of this proposal. However, we anticipate that the proposed buildings or additions will be one- to two-story structures with no below grade levels, and associated site improvements may include access roadways and parking areas, stormwater management features, and underground utilities.

PROJECT APPROACH

The proposed locations, depths, and types of sampling for the subsurface investigations described below are intended to allow a preliminary evaluation of subsurface conditions relative to geotechnical feasibility including potential foundation alternatives and environmental considerations for site development. Additional borings and environmental investigations will be required during conceptual and final design once project details are developed.

A Phase I Environmental Site Assessment (ESA) is required for the site to comply with the requirements of the Massachusetts School Building Authority (MSBA) school building grant program. Subsurface investigations will include collection of soil samples to assess general environmental soil quality at the site.

Our proposed scopes of services for the preliminary engineering services are described below.

SCOPE OF SERVICES

Geotechnical Feasibility Study

The geotechnical feasibility study will include a subsurface investigation program (coordinated with the requirements of the Environmental Assessment), geotechnical analyses, geotechnical laboratory testing and a report containing a discussion of feasibility level geotechnical considerations and preliminary geotechnical recommendations related to site development and foundation design and construction. Our specific scope will include the following items:

1. Review available subsurface and geologic information as indicators of subsurface conditions at the site.

2. Visit the site to observe existing features exposed at ground surface, assess site access for subsurface explorations, and to mark proposed subsurface exploration locations in the field. Borings will be located based on information provided by Tappé.

3. Weston & Sampson will engage a qualified drilling subcontractor to complete two days of drilling. We will explore subsurface conditions by completing up to eight (8) borings to depths up to 25 feet or refusal. Adjustment of the number of borings or depths may be required to limit the drilling program to two days.

   The borings will be advanced using hollow stem auger and/or drive-and-wash drilling methods with standard split-spoon sampling conducted at two- to five-foot intervals of depth. The borings will be advanced through surficial fill and organic soils (if present) and will be terminated in naturally deposited inorganic soils or refusal. An all-terrain vehicle (ATV) mounted drill rig will be used and minor disturbance (e.g., rutting) to grass and topsoil should be anticipated.

   Up to one (1) groundwater monitoring well will be installed to a depth of up to 20 feet if groundwater is encountered within the depth of the borings. The well will be finished at the ground surface with a flush-mount road box. The remaining boreholes will be backfilled with soil cuttings. Borings completed in existing pavement areas will be cold patched with asphalt. We assume that excess drill cuttings can be spread at the ground surface and no Massachusetts Contingency Plan (MCP) services associated with environmentally impacted soils will be required. We also assume that special drilling procedures, personal protective equipment, drumming and disposal of drill cuttings, equipment decontamination associated with contaminated soils, etc. are not required. Such measures, if required, will result in additional scope and costs.

   We assume that there will be no restrictions on drilling during normal workdays due to activities at the school. We also assume that the School District and/or Town personnel will assist with coordinating site access for explorations and provide any permission needed for drilling at the site. Landscaping services to repair minor ground disturbance at boring locations are not included in our scope and will need to be

provided by others if required. No permitting or bonds associated with street opening, wetland resources or other environmental/historic conditions is considered required and made part of this proposal.

The drilling subcontractor will contact DIG SAFE to mark below-grade utilities in public streets near the project area prior to drilling. ***We will need someone from the Town and/or School to identify below-grade utility locations on the site since DIG SAFE does not clear utilities outside of the roadway right-of-way***. If the locations of existing utilities are largely unknown, we can subcontract a private utility locator to "clear" below-grade utilities in the areas of proposed explorations for an additional fee. A private utility locator does not guarantee boring locations are clear of underground utilities, but it decreases the risk associated with drilling or excavating in the subsurface.

Weston & Sampson representatives will observe the explorations in the field, prepare test boring logs and measure the drilling locations relative to existing site features.

4. We will arrange for laboratory testing of selected samples recovered from the borings. Up to eight (8) samples will be submitted for grain size distribution analysis to confirm our field classifications and evaluate reuse of the existing material.

5. We will prepare a letter report documenting the information obtained from Tasks 1 through 4, above, related to preliminary geotechnical considerations. The report will include an exploration location plan, logs of explorations prepared by Weston & Sampson, descriptions of the exploration program and encountered subsurface conditions, and a discussion of preliminary geotechnical considerations for the proposed site development and building construction including feasible foundation types (e.g., shallow vs. deep foundations).

Environmental Assessments

Our environmental assessment will consist of an ASTM Phase I ESA, as well as limited soil sampling and analyses.

Our Phase I ESA will be conducted in general accordance with the United State Environmental Protection Agency's (EPA's) All Appropriate Inquiries (AAI) Final Rule and the standards set forth in the ASTM E1527-21 process. Weston & Sampson has performed due diligence assessments for Phase I ESAs using the principles of the AAI at multiple sites throughout New England. The AAI standard, which incorporates the ASTM standard, is the current standard of care for Phase I ESAs in the industry. Weston & Sampson personnel are well versed on AAI's Final Rule, and our staff includes many Environmental Professionals, as defined under the AAI Final Rule. The Phase I ESA will be performed in compliance with all other associated laws, professional standards, and industry practices.

The Phase I ESA will identify Recognized Environmental Conditions (RECs) at the site and evaluate the potential for a release of oil and/or hazardous materials (OHM) to the environment. This scope of services does not include a radon, hazardous building material survey, or a chain-of-title search. We propose to complete the following scope items 6 through 10 as authorized:

6. <u>Historical, Environmental Site Review, Interviews</u>:
   Weston & Sampson will review existing files pertaining to historical site use and regulatory issues from various sources including:

- State and Federal environmental files and databases;
- Local records and plans, including those of the Fire Department for underground storage tank (UST) records;
- Previous environmental reports, where available;
- Sanborn Fire Insurance Maps and municipal directories where available;
- Aerial photographs, if available at local offices;
- Local topographic, surficial and bedrock geologic, and hydrologic maps, if available; and
- Interviews with individuals knowledgeable of the site.

Weston & Sampson will obtain a standard ASTM Phase I database search report to obtain additional information about potential documented releases at the site and surrounding areas.

7. Site Reconnaissance:
   Weston & Sampson will perform an area reconnaissance of the site(s) and surrounding areas. We will document evidence of RECs such as releases of OHM, dumped solid and/or hazardous waste, stressed vegetation, and evaluate potential impacts to the site identified in the records review. Photographs will be taken of the site to provide further documentation of site conditions. Please note that AAI requires that a qualified "Environmental Professional" perform the Site Inspection/Reconnaissance.

8. Questionnaires:
   Per AAI requirements, Weston & Sampson will provide representatives of the existing property owner (Town representatives) who are familiar with the existing facility and the site history with a User Questionnaire to provide the following information. To receive CERCLA liability protection the *user* must provide the identified information, if available. The information included in the User Questionnaire includes the following: Environmental Liens, Activity and Use Limitations, Specialized Knowledge (e.g., specialized knowledge of RECs, historical RECs, or other potential environmental concerns in connection with the Site), Commonly Known or Reasonably Ascertainable Information (i.e., any commonly known or reasonably ascertainable information about the Site that would be indicative of releases or threatened releases), Valuation Reduction for Environmental Issues, and Degree of Obviousness of Contamination.

   In addition to the User Questionnaire, Weston & Sampson will provide the representatives of existing property owner with an Environmental Questionnaire for completion. The information in the Environmental Questionnaire will generally include information regarding the environmental condition of the property including but not limited to: current use of the property, age of structures, use of abutting property, liens, property limitations, previous assessments, potential presence of contamination, etc.

   The information from these questionnaires will be incorporated into the report and the completed forms will be attached as appendices to the Phase I report.

9. Phase I ESA Report:
   Weston & Sampson will prepare a Phase I ESA Report summarizing the information collected above. The report will include a summary of the work scope, narrative descriptions of the completed tasks, findings and conclusions, figures, and images as necessary to support the information. The report(s)

will include a history of the site and an evaluation of RECs. Our Phase I ESAs do not include a Chain-of-Title search at the Registry of Deeds.

Additionally, this task will include a Siting Analysis in accordance with the Clean & Healthy Public Schools (CHPS), the results of which will be presented in a letter report.

10. Soil Sampling and Analyses:
    Weston & Sampson proposes to collect soil samples during the geotechnical borings described above. Soil samples from the borings will be screened in the field with a photoionization detector (PID), and for visual and olfactory signs of potential contamination.

    Up to three (3) soil samples will be placed in appropriate sample containers, labeled, and shipped to a qualified analytical laboratory under appropriate chain-of-custody. For purposes of developing this scope of services and related costs, the selected soil samples will be analyzed for disposal characterization analyses consistent with Massachusetts Department of Environmental Protection (MassDEP) Policy# COMM-97-001 including total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), MCP 14 metals, hazardous characteristics, and conductivity. Our proposed sample screening may suggest that other types of analyses should be conducted. We will contact Tappé Architects as the work progresses if different (or more) testing is considered appropriate for the currently proposed effort.

The results of the soil sampling and analyses will be summarized and presented in a brief memorandum or as an appendix to the Phase I ESA report. Recommendations for additional sampling and analyses to be completed during the design phase of the project will be based on the results of the analyses proposed herein. Our feasibility phase environmental assessment will consist of a limited historical record review for the Site, followed by collection of soil and groundwater samples for laboratory analysis.

ASSUMPTIONS

- Permits and/or bonds are not required for the boring program.
- The school will provide access and right of entry for all field exploration activities.
- Traffic control, except for cones, will not be required.
- Groundwater sampling, if necessary, will be completed as part of a future design phase.
- Bearing soils are within 5 feet of existing grades, and the borings can be completed in three days.
- Work can be completed during standard work hours (i.e., weekdays, between 7:00AM and 5:00PM).
- Private utility clearance or vacuum excavation is not included but can be provided for an additional fee.
- Location of borings will be based on taping from existing site features. Elevations will be interpolated from a topographic plan provided by others.
- We can access the boring locations using an ATV-mounted drill rig. We assume tree clearing and snow removal is not required to access boring locations or will be completed by others.
- Parking spaces can be temporarily closed as needed prior to and during drilling, if required.
- Restoration of areas disturbed as a result of our fieldwork is not included in our scope beyond backfilling the test borings with cuttings. Some disturbance (e.g., rutting) of landscaped or athletic field areas may require restoration by the Owner.
- Characterization, analyses, relocation, or disposal of the cuttings is not included, other than that described in the Environmental Assessment tasks above.

- Our fee estimate includes prevailing wage rates.
- Rock coring is not included.
- Our field personnel and subcontractors can perform the work safely in OSHA Level D protection.
- The exploration program, including the number of days of drilling is based on our current understanding of the proposed development and the general subsurface conditions anticipated for the site. The exploration program may need to be adjusted based on actual conditions encountered, such as shallow bedrock or thick deposits of loose or compressible materials. Tappé will be contacted of changes to the exploration program requiring additional drilling days (if any) while the subcontractor is on site, to discuss the situation with you and revise our scope, schedule, and fee estimate accordingly.
- Analysis of liquefaction potential, flooding, settlement due to seismic shaking, slope stability, and dewatering are not included.
- Soil samples collected during the geotechnical subsurface exploration program will be retained for three months following submission of our geotechnical report. The soil samples will be discarded at this time unless the Client requests, in writing, for a longer storage period. Additional fees may apply.
- Attendance at meetings is not included.
- We assume the fieldwork will take place during "peak" season on Martha's Vineyard between May 15 to September 15, 2024.

ESTIMATED PROJECT COST

The above scope items will be completed in accordance with the fees defined below and as authorized by Tappé. Our scope will be completed on a lump sum basis, and we will not exceed this value without prior written authorization.

	Lump Sum Fee
Feasibility-Level Services	
Geotechnical Services - Engineering	[redacted]
Drilling Subcontractor Fee	[redacted]
Geotechnical Laboratory Fee	[redacted]
Total for Geotechnical Feasibility-Level Services	[redacted]
Environmental Services - Engineering	[redacted]
Laboratory Analytical Testing	[redacted]
Total for Environmental Feasibility-Level Services	[redacted]
TOTAL:	[redacted]

SCHEDULE

Weston & Sampson will initiate feasibility-level services for this project upon receipt of written authorization to proceed from Tappé. We anticipate that our field work can be scheduled within approximately four weeks of receiving authorization, depending on the availability of our subcontractors. Our design reports can be submitted within five weeks of completing our field work. We will accelerate this schedule if possible and can provide preliminary recommendations to the design team as they are developed.

ITEMS NEEDED FROM TAPPÉ

We will need the following from Tappé to complete our services:

- *An electronic version of a site plan showing the existing buildings and site development features of the site as well as the proposed addition or new building footprints.*
- *A description of the proposed construction (as known at the time of the explorations) including such things as anticipated site layout, size of structures, use, number of levels of below-grade construction, grading, and other items that may impact foundation design and construction.*
- *Any drawings or information depicting the foundations for the existing buildings on the site.*
- *Any available subsurface information at the site.*

LIMITATIONS

Weston & Sampson's services are intended to provide professional recommendations based on a limited number of field observations and tests, and may depend on, and be qualified by, information gathered previously by others and provided to Weston & Sampson by others. It is possible that conditions could vary between or beyond the data evaluated. More detailed and extensive studies and subsurface explorations will yield more information, which may help manage risk of unknown conditions. Within the limitations of scope, schedule and budget presented herein, our services will be executed with the generally accepted practices in this area at the time of the work. No warranty, expressed or implied, is given.

Weston & Sampson does not accept any responsibility for disruptions to underground structures or utilities which have not been marked or have been marked incorrectly. We can provide the services of a private utility locator and/or soft-dig (air-knife) for an additional fee.

This proposal is prepared specifically for the client and its designated representatives and may not be provided to others without Weston & Sampson's expressed permission.

AUTHORIZATION

Consulting engineering services as described above will be provided in accordance with the attached Weston & Sampson General Terms and Conditions dated February 14, 2022, which is an integral part of this proposal. When accepted by you, this proposal and the attached General Terms and Conditions will constitute our Agreement. Please indicate your acceptance by signing and returning one copy of this letter proposal. Also, please sign, date, and return the enclosed Terms and Conditions that are hereby incorporated by reference.

Thank you for inviting us to submit this proposal. We look forward to assisting you with this project. If you have any questions, please contact us at (978) 532-1900.

Very truly yours,

WESTON & SAMPSON ENGINEERS, INC.

Stephen Spink, PE
Geotechnical Engineering Team Leader

Tulin Fuselier, PE
Geotechnical Engineering Practice Leader

ACCEPTED FOR TAPPÉ ARCHITECTS, INC.

By: 

Date: Christopher D. Blessen

Attachment: February 14, 2022 Terms and Conditions

SB:STS:THF:RN

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WESTON & SAMPSON GENERAL TERMS AND CONDITIONS

1. It is understood that the Proposal attached hereto and dated May 10, 2024 is valid for a period of ninety (90) days. Upon the expiration of that period of time or the delay or suspension of the services, WESTON & SAMPSON reserves the right to review the proposed basis of payment and fees, to allow for changing costs as well as to adjust the period of performance to conform to work loads. References herein to WESTON & SAMPSON are understood to refer to WESTON & SAMPSON ENGINEERS, INC.

2. Invoices will be submitted periodically (customarily on a monthly basis), and terms are net cash, due and payable upon receipt of invoice. Credit card payments by the OWNER shall not be allowed by WESTON & SAMPSON. If the OWNER fails to make any payment due to WESTON & SAMPSON for services and expenses within thirty (30) days after receipt of WESTON & SAMPSON'S statement therefore, the amounts due WESTON & SAMPSON will be increased at the rate of 1.5% per month from said thirtieth day, and in addition, WESTON & SAMPSON may, after giving seven (7) days' written notice to the OWNER, suspend services under this Agreement. Unless payment is received by WESTON & SAMPSON within seven (7) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, WESTON & SAMPSON shall have no responsibility to the OWNER for delay or damage caused the OWNER because of such suspension of services.

3. WESTON & SAMPSON will serve as the professional representative of the OWNER as defined by the Proposal or under any Agreement and will provide advice, consultation and services to the OWNER in accordance with generally accepted professional practice consistent with that degree of skill and care ordinarily exercised by practicing design professionals performing similar services in the same locality, at the same site and under the same or similar circumstances and conditions. Therefore, estimates of cost, approvals, recommendations, opinions, and decisions by WESTON & SAMPSON are made on the basis of WESTON & SAMPSON'S experience, qualifications and professional judgment. Accordingly, WESTON & SAMPSON does not warrant or represent that bids or negotiated prices will not vary from the OWNER'S budget for the project, or from any estimate of the Cost of the Work evaluation prepared or agreed to by WESTON & SAMPSON. WESTON & SAMPSON makes no warranty or guarantee, express or implied, regarding the services or work to be provided under this Proposal or any related Agreement. Notwithstanding any other provision of these General Terms and Conditions, unless otherwise subject to a greater limitation, and to the fullest extent permitted by law, the total liability in the aggregate, of WESTON & SAMPSON and their officers, directors, employees, agents, and independent professional associates, and any of them, to OWNER and any one claiming by, through or under OWNER, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of in any way related to WESTON & SAMPSON's services, the project, or this Agreement, from any cause or causes whatsoever, including but not limited to, the negligence, errors, omissions, strict liability, breach of contract, misrepresentation, or breach of warranty of WESTON & SAMPSON or WESTON & SAMPSON's officers, directors, employees, agents or independent professional associates, or any of them, and any causes arising from or related to the COVID-19 pandemic, shall not exceed the greater of $50,000 or the total compensation received by WESTON & SAMPSON hereunder and OWNER hereby releases WESTON & SAMPSON from any liability above such amount. WESTON & SAMPSON shall have no upfront duty to defend the OWNER but shall reimburse defense costs of the OWNER to the same extent of its indemnity obligation herein.

4. Where the Services include subsurface exploration, the OWNER acknowledges that the use of exploration equipment may alter or damage the terrain, vegetation, structures, improvements, or the other property at the Site and accepts the risk. Provided WESTON & SAMPSON uses reasonable care, WESTON & SAMPSON shall not be liable for such alteration or damage or for damage to or interference with any subterranean structure, pipe, tank, cable, or other element or condition whose nature and location are not called to WESTON & SAMPSON'S attention in writing before exploration begins.

5. WESTON & SAMPSON and its consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous waste or viruses, including COVID-19, in any form at the project site. Accordingly, the OWNER agrees to assert no

claims against WESTON & SAMPSON, its principals, agents, employees and consultants, if such claim is based, in whole or in part, upon the negligence, breach of contract, breach of warranty, indemnity or other alleged obligation of WESTON & SAMPSON or its consultants, and arises out of or in connection with the detection, assessment, abatement, identification or remediation of hazardous materials, pollutants or asbestos at, in, under or in the vicinity of the project site identified in the Proposal. OWNER shall defend, indemnify and hold harmless WESTON & SAMPSON, its principals, agents, employees, and consultants and each of them, harmless from and against any and all costs, liability, claims, demands, damages or expenses, including reasonable attorneys' fees, with respect to any such claim or claims described in the preceding sentence, whether asserted by OWNER or any other person or entity. WESTON & SAMPSON shall not be liable for any damages or injuries of any nature whatsoever, due to any delay or suspension in the performance of its services caused by or arising out of the discovery of hazardous substances or pollutants at the project site or exposure of any parties to the COVID-19 virus.

6. WESTON & SAMPSON agrees to purchase at its own expense, Worker's Compensation insurance, Comprehensive General Liability insurance, and Engineer's Professional Liability insurance and will, upon request, furnish insurance certificates to OWNER reflecting WESTON & SAMPSON's standard coverage. WESTON & SAMPSON agrees to purchase whatever additional insurance is requested by OWNER (presuming such insurance is available, from carriers acceptable to WESTON & SAMPSON) provided OWNER reimburses the premiums for additional insurance.

7. As a part of this Agreement, OWNER without cost to WESTON & SAMPSON agrees to do the following in a timely manner so as not to delay the services of WESTON & SAMPSON:

    a. Designate in writing a person to act as OWNER'S representative with respect to work to be performed under this Agreement, such person to have complete authority to transmit instructions, receive information, interpret and define OWNER'S policies and decisions with respect to materials, equipment elements and systems pertinent to the work covered by the Agreement.

    b. Through its officials and other employees who have knowledge of pertinent conditions, confer with WESTON & SAMPSON regarding both general and special considerations relating to the Project.

    c. Assist WESTON & SAMPSON by placing at the disposal of WESTON & SAMPSON, all available information pertinent to the Project including previous reports and other data relative to design or construction of Project.

    d. Furnish or cause to be furnished to WESTON & SAMPSON all documents and information known to OWNER that relate to the identity, location, quantity, nature or characteristics of any hazardous waste at, on or under the site. In addition, OWNER will furnish or cause to be furnished such other reports, data, studies, plans, specifications, documents and other information on surface and subsurface site conditions required by WESTON & SAMPSON for proper performance of its services.

    e. WESTON & SAMPSON shall be entitled to rely, without liability, on the accuracy and completeness of information and documents provided by the OWNER, OWNER'S CONSULTANTS and CONTRACTORS and information from public records, without the need for independent verification.

    f. Pay for all application and permit fees associated with approvals and permits for all governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.

    g. Arrange for and make all provisions for WESTON & SAMPSON and its agents to enter upon public and private lands as required for WESTON & SAMPSON to perform its work under this Agreement.

    h. Furnish WESTON & SAMPSON with all necessary topographic, property, boundary and right-of-way maps.

    i. Cooperate with and assist WESTON & SAMPSON in all additional work that is mutually agreed upon.

j. Pay WESTON & SAMPSON for work performed in accordance with terms specified herein.

8. The obligation to provide further services under this Agreement may be terminated by either party upon thirty days' written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. If the Project is suspended or abandoned in whole or in part for more than three (3) months, WESTON & SAMPSON shall be compensated for all services performed prior to receipt of written notice from OWNER of such suspension or abandonment, together with the other direct costs then due. If the Project is resumed after being suspended for more than three (3) months, WESTON & SAMPSON'S compensation shall be equitably adjusted. In the event of termination by either party, WESTON & SAMPSON shall be compensated for all services performed prior to receipt of written termination, together with other direct costs then due, including WESTON & SAMPSON's independent consultants, and for the services necessary to affect termination.

9. The OWNER and WESTON & SAMPSON waive all rights against each other and against the contractors, consultants, agents and employees of the other for damages, but only to the extent covered by any property or other insurance in effect whether during or after the project. The OWNER and WESTON & SAMPSON shall each require similar waivers from their contractors, consultants and agents.

10. All Drawings, diagrams, plans, specifications, calculations, reports, processes, computer processes and software, operational and design data, and all other documents and information produced in connection with the project as instruments of service, regardless of form, shall be confidential and the property of WESTON & SAMPSON, and shall remain the sole and exclusive property of WESTON & SAMPSON whether the project for which they are made is executed or not. The OWNER shall not have or acquire any title to or ownership rights in any of the documents or information prepared by WESTON & SAMPSON. OWNER may make and retain copies for information and reference in connection with the use and occupancy of the Project by the OWNER and others; however, such documents are not intended or represented to be suitable for reuse by OWNER or others on extensions of the Project or on any other Projects. Any reuse without written verification or adaptation by WESTON & SAMPSON for the specific purpose intended will be at OWNER'S sole risk and without liability or legal exposure to WESTON & SAMPSON or to WESTON & SAMPSON's independent consultants, and OWNER shall indemnify and hold harmless WESTON & SAMPSON and WESTON & SAMPSON's independent consultants from all claims, damages, losses, and expenses, including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle WESTON & SAMPSON to further compensation at rates to be agreed upon by OWNER and WESTON & SAMPSON.

11. The substantive laws of the Commonwealth of Massachusetts shall govern any disputes between WESTON & SAMPSON and the OWNER arising out of the interpretation and performance of this Agreement.

12. WESTON & SAMPSON and the OWNER agree that any disputes arising under this Agreement and the performance thereof shall be subject to nonbinding mediation as a prerequisite to further legal proceedings. The parties may engage in remote mediation if in-person mediation is not possible or practicable due to the COVID-19 pandemic, or if mutually agreed upon between the parties.

13. WESTON & SAMPSON shall not be required to sign any documents, no matter by who requested, that would result in WESTON & SAMPSON having to certify, guaranty, or warrant the existence of conditions that would require knowledge, services or responsibilities beyond the scope of this Agreement.

14. Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the OWNER or WESTON & SAMPSON. WESTON & SAMPSON'S services hereunder are being performed solely for the benefit of the OWNER, and no other entity shall have any claim against WESTON & SAMPSON because of this Agreement or WESTON & SAMPSON'S performance of services hereunder.

15. Notwithstanding anything to the contrary contained herein, OWNER and ENGINEER agree that their sole and exclusive claim, demand, suit, judgment or remedy against each other shall be asserted against each other's corporate entity and not

against each other's shareholders, A/E's, directors, officers or employees.

16. To the extent they are inconsistent or contradictory, express terms of this Proposal take precedence over these General Terms and Condition. It is understood and agreed that the services or work performed under this Proposal or any Agreement are not subject to any provision of any Uniform Commercial Code. Any terms and conditions set forth in OWNER'S purchase order, requisition, or other notice or authorization to proceed are inapplicable to the services under this Proposal or any related Agreement, except when specifically provided for in full on the face of such purchase order, requisition, or notice or authorization and specifically accepted in writing by WESTON & SAMPSON. WESTON & SAMPSON'S acknowledgement of receipt of any purchase order, requisition, notice or authorization, or WESTON & SAMPSON'S performance of work subsequent to receipt thereof, does not constitute acceptance of any terms or conditions other than those set forth herein.

17. If any provision of this Agreement shall be finally determined to be invalid or unenforceable in whole or in part, the remaining provisions hereof shall remain in full force and effect, and be binding upon the parties hereto. The parties agree to reform this Agreement to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.

18. The parties to this contract recognize their obligations under the Massachusetts Data Security Law and Regulations, G. L. c. 93H and 93I and 201 CMR 17.00, to safeguard "personal information" as defined below. Both parties hereby represent that they have adopted the required Written Information Security Program, have taken the other steps required to safeguard personal information and are in full compliance with the law. The parties agree that in furtherance of their legal obligations, they will not transmit, communicate or otherwise provide to each other any personal information, unless it is necessary to comply with their obligations under this Agreement. The parties also agree that when it is not necessary for them to transmit, communicate or otherwise provide to each other any personal information as part of their obligations hereunder, they will take active steps to prevent such transmission, communication, or transfer. For purposes of this Agreement, "personal information" means a Massachusetts residents first name and last name or first initial and last name in combination with any one or more of the following data elements that relate to such resident: (a) Social Security number; (b) driver's license number or state-issued identification card number; or (c) financial account number, or credit or debit card number, with or without any required security code, access code, personal identification number or password, that would permit access to a resident's financial account.

19. If delays or failures of performance of WESTON & SAMPSON are caused by occurrences beyond the reasonable control of WESTON & SAMPSON, WESTON & SAMPSON shall not be in default of this AGREEMENT. Said occurrences shall include Acts of God or the public enemy; expropriation or confiscation; compliance with any quarantine or other order of any governmental authority; pandemic; epidemic; public health crisis; labor or materials shortage; changes in law; act of war, rebellion, terrorism or sabotage or damage resulting therefrom; fires, floods, explosions, accidents, riots, strikes or other concerted acts of workmen, whether direct or indirect; delays in permitting; OWNER's failure to provide data in OWNER's possession or provide necessary comments in connection with any required reports prepared by WESTON & SAMPSON, or any other causes which are beyond the reasonable control of WESTON & SAMPSON. WESTON & SAMPSON's scheduled completion date shall be adjusted to account for any force majeure delay and WESTON & SAMPSON shall be compensated for all costs incurred in connection with or arising from a force majeure event or in the exercise of reasonable diligence to avoid or mitigate a force majeure event.

Approved by:

_____
OWNER Name

_____
Signature Date

_____
Printed Name and Title

Appendix B:

Photograph Log

Photo 1: View looking south at Martha's Vineyard Regional High School.

Photo 2: Boiler room with four oil burners.

Photo 3: Paint storage in the boiler room.

Photo 4: Floor drain observed in culinary arts kitchen.

Photo 5: Flammables cabinet with oil and lubricant storage in automotive shop.

Photo 6: Two 55-gallon drums of used antifreeze in automotive shop.

Photo 7: Parts cleaning station inside automotive shop.

Photo 8: Chemical storage inside chemistry labs.

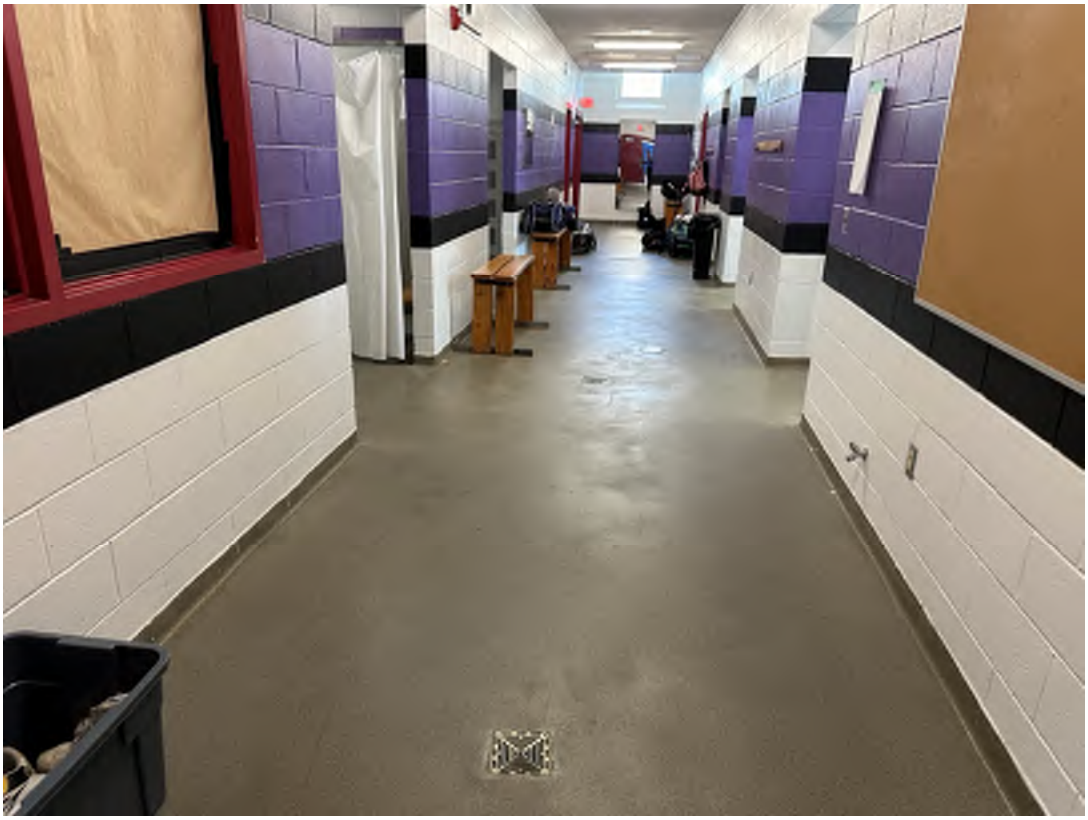


Photo 9: Floor drains observed in locker rooms.

Photo 10: Second boiler room with four oil burners.

Photo 11: 55-gallon drum of unknown contents observed in boiler room.

Photo 12: Backup power generator located outside boiler room.

Photo 13: 10,000-gallon UST located adjacent to backup generator.

Photo 14: Maintenance closet with floor level sink.

Photo 15: Floor drains observed in cafeteria kitchen.

Photo 16: Large liquid propane tank located on eastern side of building.

Photo17: 55-gallon drum of unknown oil adjacent to large propane tank.

Photo 18: Two approximately 150-gallon ASTs located in horticulture garden.

Photo 19: 55-gallon drum of methanol and liquid propane storage in maintenance garage.

Photo 20: Flammables cabinet with gasoline storage in maintenance garage.

Photo 21: View looking south at maintenance garage.

Photo 22: Liquid propane storage adjacent to Sharks baseball field.

Photo 23: Location of diesel fuel release from idling bus.

Photo 24: Scrap metal storage on western side of building.

Appendix C:

Questionnaires / Checklists

ENVIRONMENTAL SITE RECONNAISSANCE QUESTIONNAIRE
(to be completed by an owner's representative)

Site Name: Martha's Vineyard Regional High School

Site Address: 100 Edgartown Vineyard Haven Road, Oak Bluffs MA 02557

Site Visit Date: October 10, 2024

What is the current and past use(s) of the subject property?

Current		Past	
Residential – Single Family	☐	Residential – Single Family	☐
Residential – Multi-Family	☐	Residential – Multi-Family	☐
Commercial	☐	Commercial	☐
Industrial/Manufacturing	☐	Industrial/Manufacturing	☐
Unimproved/Raw Land	☐	Unimproved/Raw Land	☒
Agriculture	☐	Agriculture	☐

To the best of your knowledge, what are the current and past uses of the adjoining properties?

Adjoining Property	Current Owner	Current Use	Past Owner	Past Use
North:	3 nonprofits lease the land from the MV Regional School District: YCMA, Martha's Vineyard Community Services and the island's only ice rink.			
South:	Manuel F. Correllus State Forest- owned by the Department of Conservation and Recreation, MA			
East:	Alliance Community Church			
West:	Deer Run housing development			

Question	Owner/Property Representative Response
Is the property used for an industrial use?	YES (NO) UNK
Is any *adjoining* property used for an industrial use?	YES (NO) UNK
Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?	YES (NO) UNK
Did you observe evidence or do you have any prior knowledge that any *adjoining* property has been used for an industrial use in the past?	YES (NO) UNK
Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	YES (NO) UNK

Is any *adjoining* property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that the property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that any *adjoining* property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaner, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	YES	(NO)	UNK
Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gallons (19 Q) in volume or 50 gallons (190 Q) in the aggregate, stored on or used at the property or at the facility?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (19 L) in the aggregate, stored on or used at the property or at the facility?	YES	(NO)	UNK
Are there currently any industrial drums (typically 55 gallons (208 Q)) or sacks of chemicals located on the property or at the facility?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any industrial drums (typically 55 gallons (208 L)) or sacks of chemicals located on the property or at the facility?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site?	YES	(NO)	UNK

Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that is of an unknown origin?	YES	(NO)	UNK
Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	YES	(NO)	UNK
Is there currently any stained soil on the Property?	YES	NO	(UNK)
Did you observe evidence or do you have any prior knowledge that there has previously been any stained soil on the property?	YES	(NO)	UNK
Are there currently any registered or unregistered storage tanks (above or underground) located on the property?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any registered or unregistered storage tanks (above or underground) located on the property?	YES	(NO)	UNK
Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from or adjacent to any structure located on the property?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	YES	(NO)	UNK
Is there currently evidence of leaks, spills, or staining by substances other than water, or foul odor, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that there have previously been any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?	YES	(NO)	UNK

If the property is served by a private well or non-public water system, is there evidence or do you have any prior knowledge that contaminants have been identified in the well or system that exceeded guidelines applicable to the water system?	YES	(NO)	UNK
If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	YES	(NO)	UNK
Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification related to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	YES	(NO)	UNK
Has the owner or occupant of the property been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	YES	(NO)	UNK
Has the owner or occupant of the facility been informed of the current existence of hazardous substance or petroleum products with respect to the property or any facility located on the property?	YES	(NO)	UNK
Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the property or any facility located on the property?	YES	(NO)	UNK
Has the owner or occupant of the property been informed of the current existence of environmental violations with respect to the property or any facility located on the property?	YES	(NO)	UNK
Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property, or recommended further assessment of the property?	YES	(NO)	UNK
Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	YES	(NO)	UNK
Does the property discharge wastewater (not including sanitary waste or stormwater) onto or adjacent to the property and/or into a stormwater system?	YES	(NO)	UNK

Does the property discharge wastewater (not including sanitary waste or stormwater) onto or adjacent to the property and/or into a sanitary sewer system?	YES	(NO)	UNK
Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried, and/or burned on the property?	YES	(NO)	UNK
Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	YES	NO	(UNK)

The Owner Questionnaire was completed by:

Name: _____ Address: _____

Title: _____ Phone Number: _____

Firm: _____ Date: _____

Phase I ESA User Questionnaire

For the Subject Property:
Martha's Vineyard Regional High School
100 Edgartown Vineyard Haven Road, Oak Bluffs, MA

To qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 C.F.R. §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

(1.) Environmental liens that are filed or recorded against the *subject property* (40 C.F.R. § 312.25).

Did a search of *land title records* (or judicial records where appropriate, see Note 1) identify any *environmental liens* filed or recorded against the *subject property* under federal, tribal, state, or local law?

YES ☐ NO ☒

Notes: _____

(2.) *Activity and use limitations (AULs)* that are in place on the *subject property* or that have been filed or recorded against the *subject property*.

Did a search of *land title records* (or judicial records where appropriate, see Note 1) identify any *AULs*, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *subject property* and/or have been filed or recorded against the *subject property* under federal, tribal, state or local law?

YES ☐ NO ☒

Notes: _____

(3.) Specialized knowledge or experience of the person seeking to qualify for the *LLP* (40 C.F.R. § 312.28).

Do you have any specialized knowledge or experience related to the *subject property* or nearby *properties*? For example, are you involved in the same line of business as the current or former *occupants* of the *subject property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

YES ☐ NO ☒

Notes: _____

(4.) Relationship of the purchase price to the fair market value of the *subject property* if it were not contaminated (40 C.F.R. § 312.29).

Does the purchase price being paid for this *subject property* reasonably reflect the fair market value of the *property*?

YES ☐ NO ☐ N/A ☒

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *subject property*?

YES ☐ NO ☐ N/A ☒

Notes: _____

NOTE 1 - In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that *environmental liens* and *AULs* be filed in judicial records rather than in *land title records*. In such cases judicial records shall be searched for *environmental liens* and *AULs*.

For the Subject Property:

_____

(5.) Commonly known or *reasonably ascertainable* information about the *subject property* (40 C.F.R. § 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *subject property* that would help the *environmental professional* to identify conditions indicative of *releases* or threatened *releases*?

YES ☐ NO ☒

Notes: _____

Do you know the past uses of the *subject property*?

YES ☐ NO ☒

Notes: _____

Do you know of specific chemicals that are present or once were present at the *subject property*?

YES ☐ NO ☒

Notes: _____

Do you know of spills or other chemical *releases* that have taken place at the *subject property*?

YES ☐ NO ☒

Notes: _____

Do you know of any environmental cleanups that have taken place at the *subject property*?

YES ☐ NO ☒

Notes: _____

Phase I ESA User Questionnaire

For the Subject Property:

_____

(6.) The degree of obviousness of the presence or likely presence of contamination at the *subject property*, and the ability to detect the contamination by appropriate investigation (40 C.F.R. § 312.31).

Based on your knowledge and experience related to the *subject property*, are there any *obvious* indicators that point to the presence or likely presence of *releases* at the *subject property*?

YES ☐ NO ☒

Notes: _____

Completed By:

Name: Mark Friedman

Signature: _____

Date: 10/11/24 & 10/17/24

Appendix D:

User-Provided Documents

No documents have been associated with this appendix.

Appendix E:

Sanborn Fire Insurance Maps

Marthas Vineyard Regional HS
100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Inquiry Number: 7727842.3
August 06, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/06/24

Site Name:

Marthas Vineyard Regional HS
100 Edgartown Vineyard Havel
Vineyard Haven, MA 02568
EDR Inquiry # 7727842.3

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Meghan Shanahan

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Weston and Sampson Engineers 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.

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:

Certification # 2825-4B0B-9C13

PO # NA

Project NA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 2825-4B0B-9C13

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Weston and Sampson Engineers (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Appendix F:

Topographic Maps

Marthas Vineyard Regional HS
100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Inquiry Number: 7727842.4
August 06, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/06/24

Site Name:

Marthas Vineyard Regional HS
100 Edgartown Vineyard Have
Vineyard Haven, MA 02568
EDR Inquiry # 7727842.4

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Meghan Shanahan

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Weston and Sampson Engineers were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: NA

Coordinates:

Latitude:	41.417712 41° 25' 4" North
Longitude:	-70.595839 -70° 35' 45" West
UTM Zone:	Zone 19 North
UTM X Meters:	366636.21
UTM Y Meters:	4586357.58
Elevation:	78.98' above sea level

Maps Provided:

2021	1894
2018	1889
2015	
2012	
1977	
1972	
1951	
1944	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2021 Source Sheets

Edgartown
2021
7.5-minute, 24000

Vineyard Haven
2021
7.5-minute, 24000

2018 Source Sheets

Edgartown
2018
7.5-minute, 24000

Vineyard Haven
2018
7.5-minute, 24000

2015 Source Sheets

Edgartown
2015
7.5-minute, 24000

Vineyard Haven
2015
7.5-minute, 24000

2012 Source Sheets

Edgartown
2012
7.5-minute, 24000

Vineyard Haven
2012
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1977 Source Sheets

Vineyard Haven
1977
7.5-minute, 25000
Aerial Photo Revised 1977

Edgartown
1977
7.5-minute, 25000
Aerial Photo Revised 1977

1972 Source Sheets

Vineyard Haven
1972
7.5-minute, 25000
Aerial Photo Revised 1969

1951 Source Sheets

Edgartown
1951
7.5-minute, 24000

Vineyard Haven
1951
7.5-minute, 24000

1944 Source Sheets

VINEYARD HAVEN
1944
7.5-minute, 25000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets

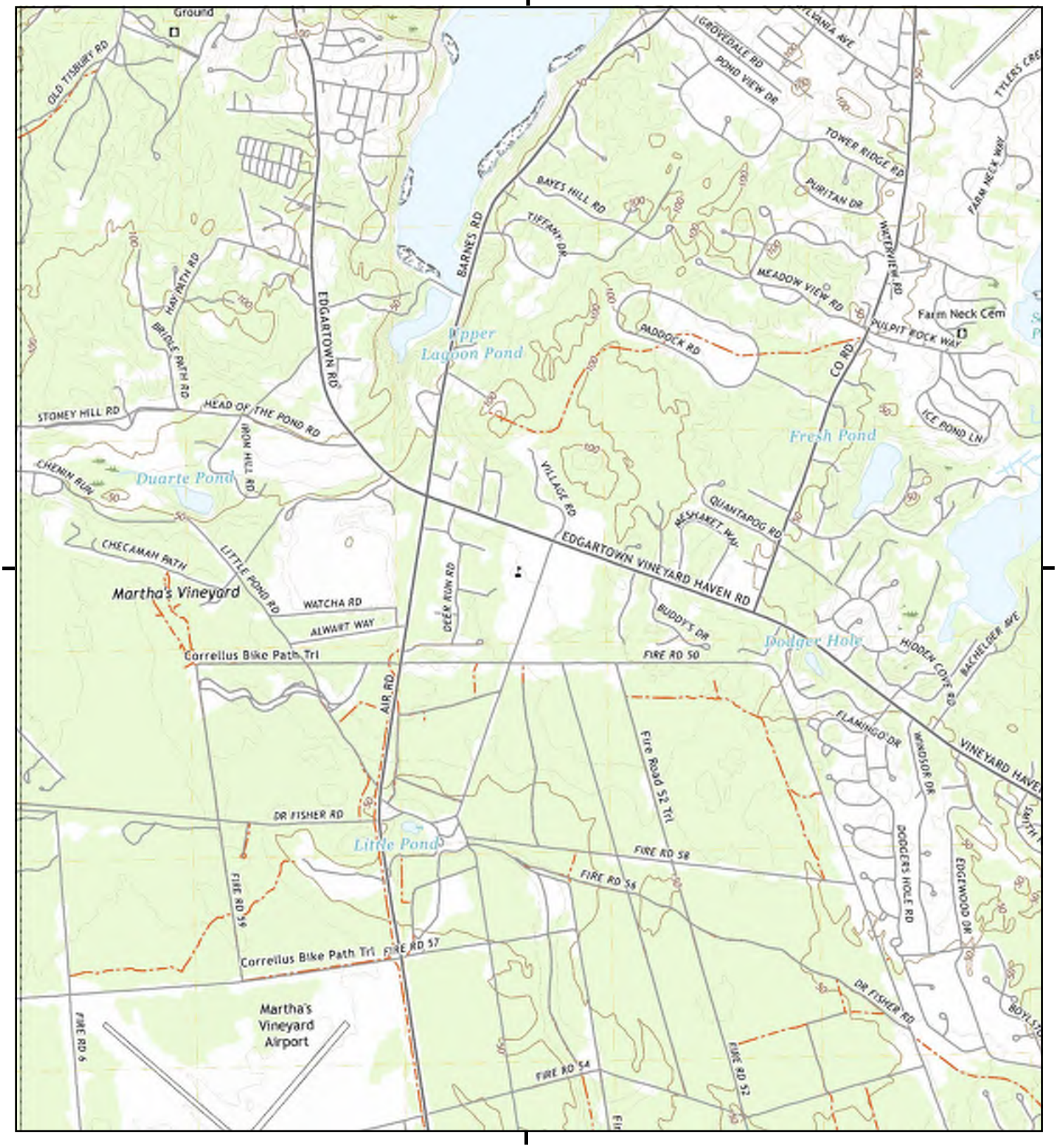
Marthas Vineyard
1894
15-minute, 62500

1889 Source Sheets

Marthas Vineyard
1889
15-minute, 62500

Historical Topo Map

2021



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Edgartown, 2021, 7.5-minute
W, Vineyard Haven, 2021, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

Historical Topo Map

2018

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

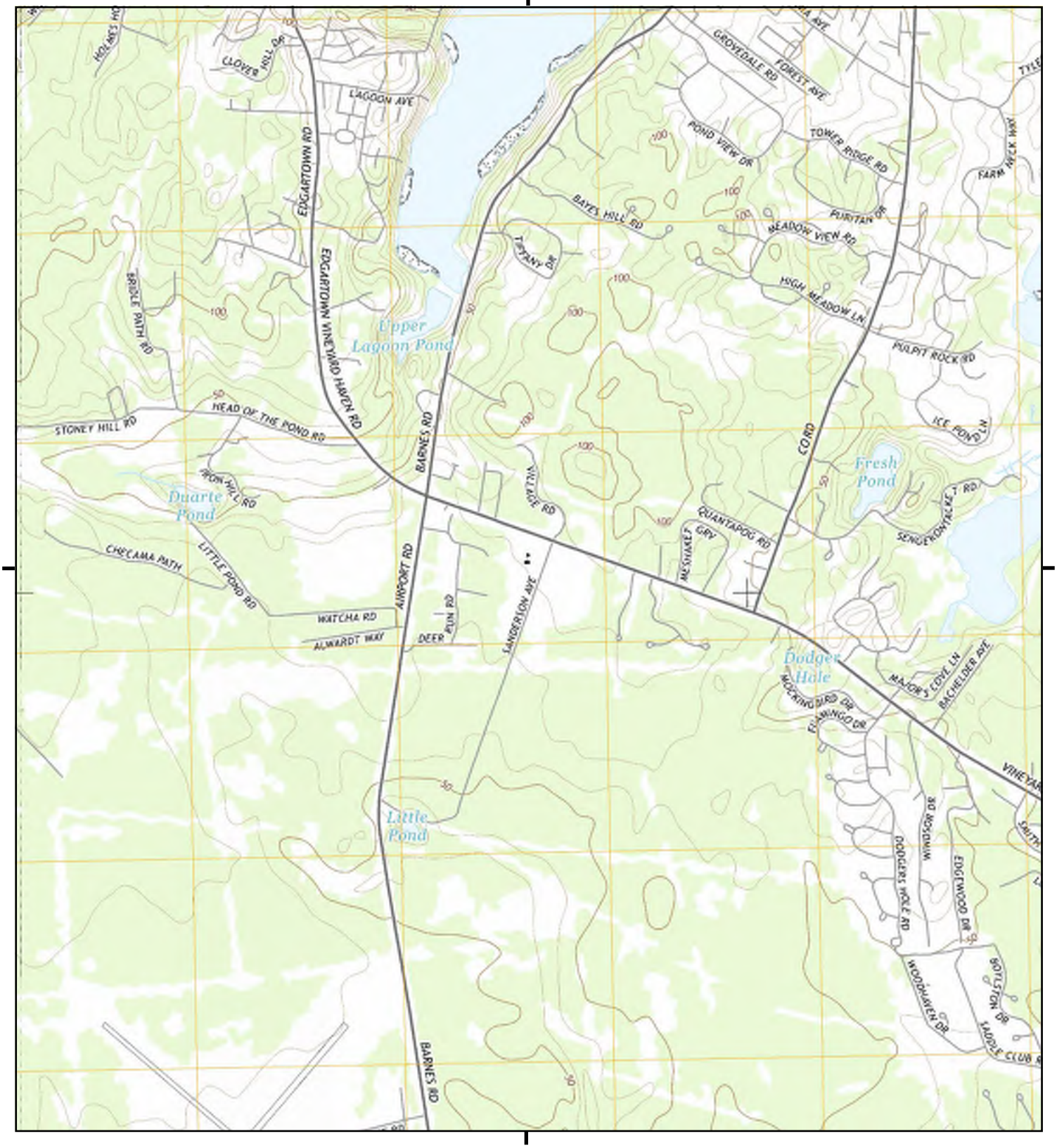
TP, Edgartown, 2018, 7.5-minute
W, Vineyard Haven, 2018, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

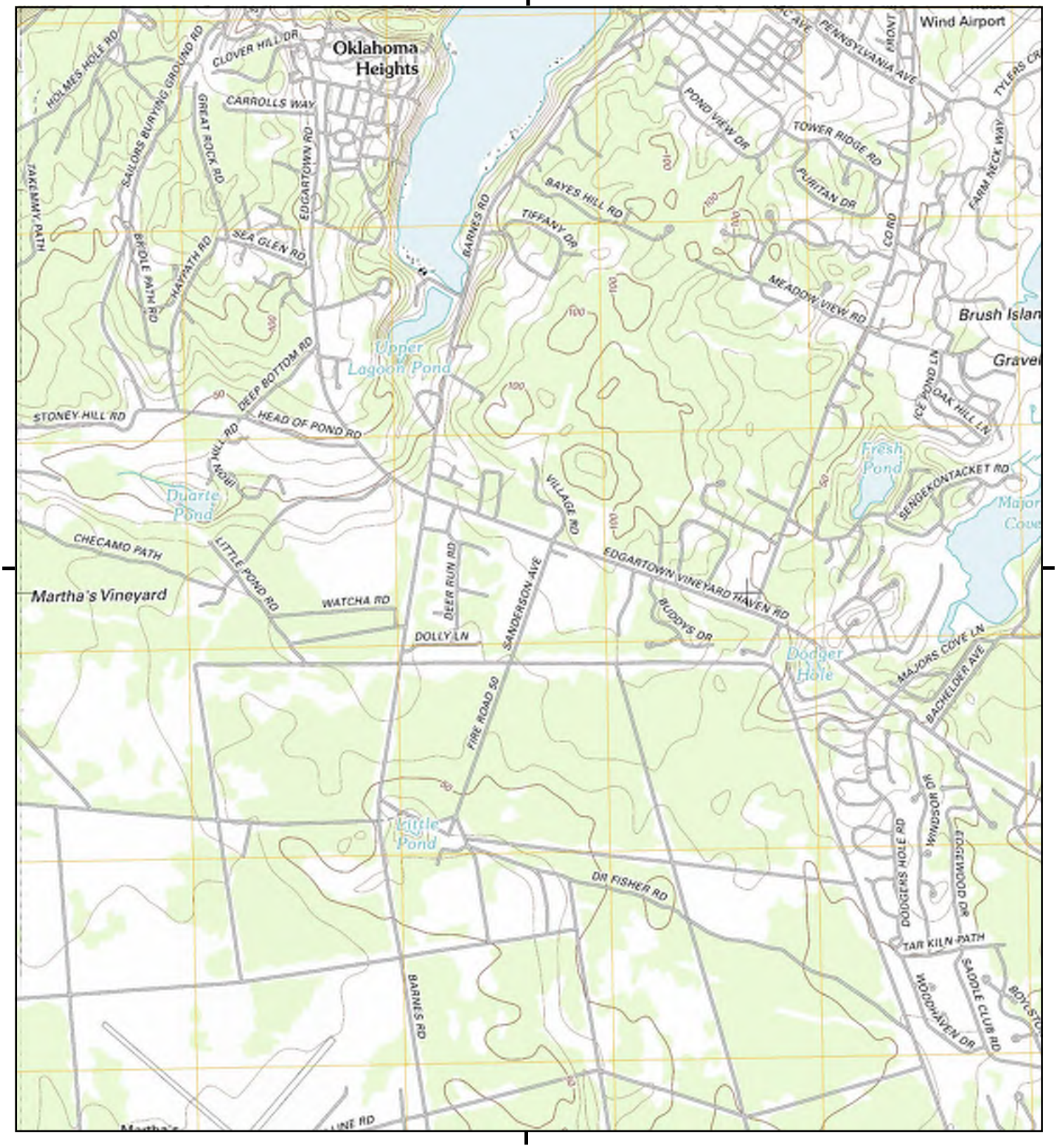
TP, Edgartown, 2015, 7.5-minute
W, Vineyard Haven, 2015, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

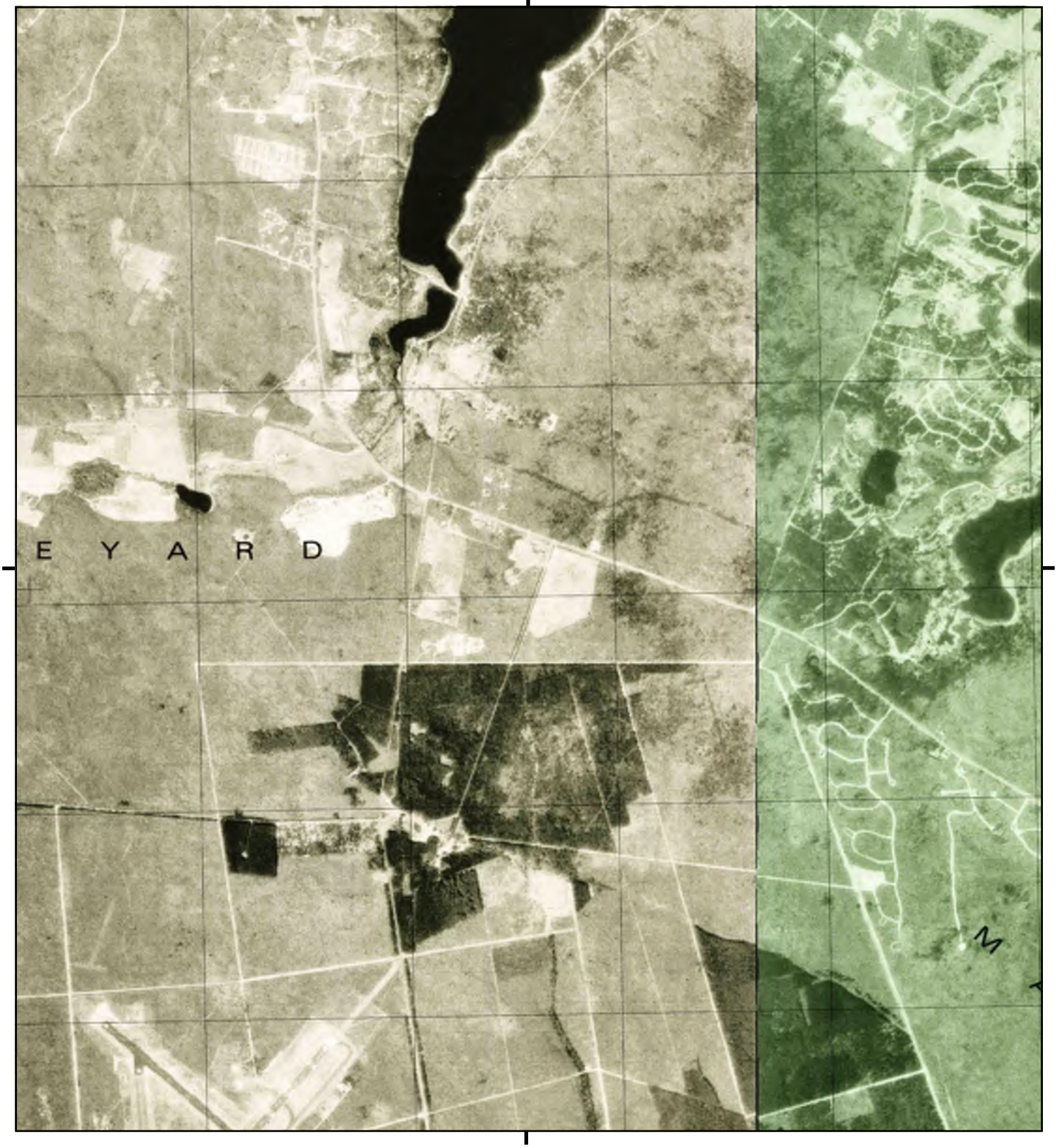
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Edgartown, 2012, 7.5-minute
W, Vineyard Haven, 2012, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N



This report includes information from the following map sheet(s).

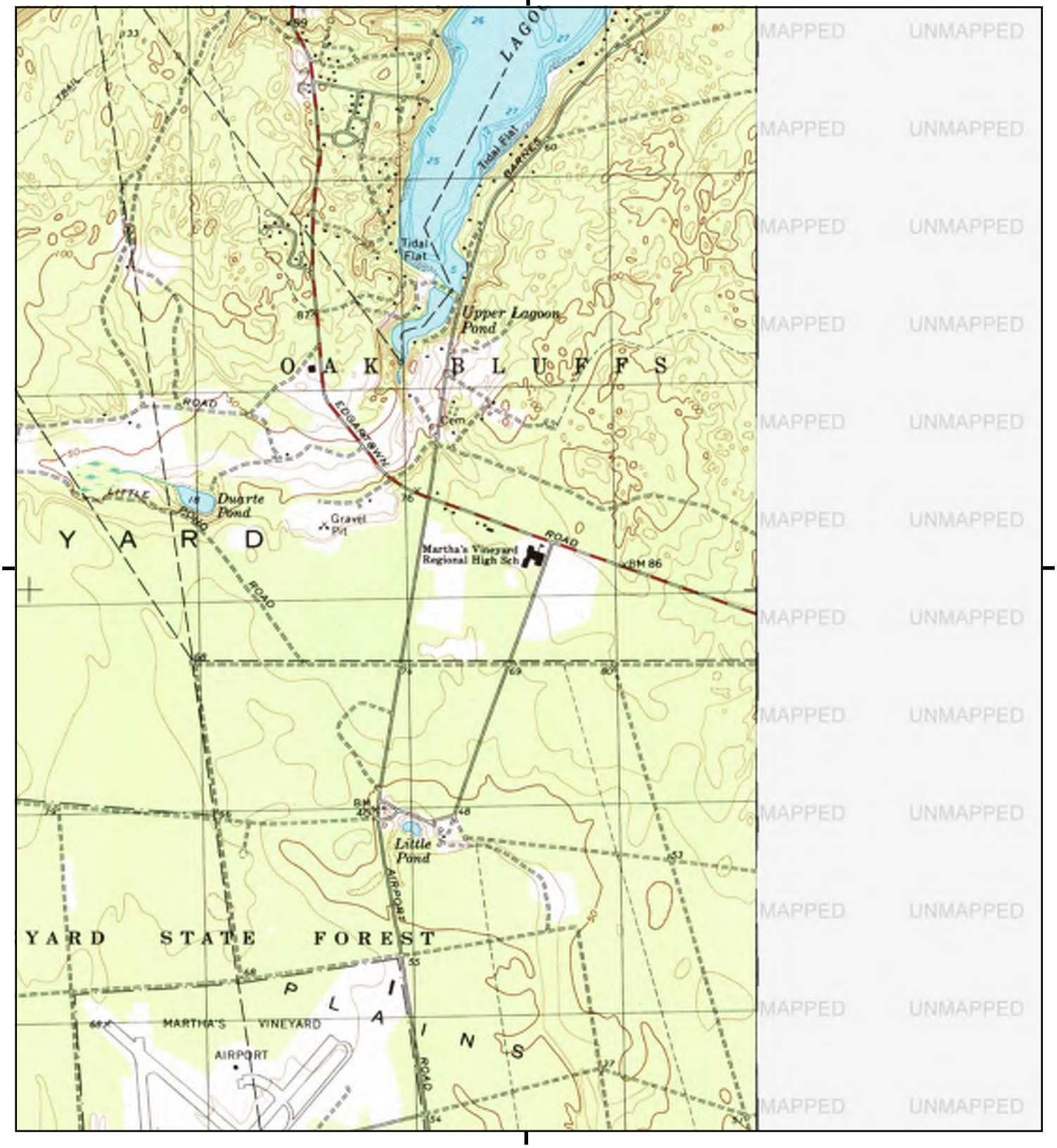
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Vineyard Haven, 1977, 7.5-minute
E, Edgartown, 1977, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N



This report includes information from the following map sheet(s).

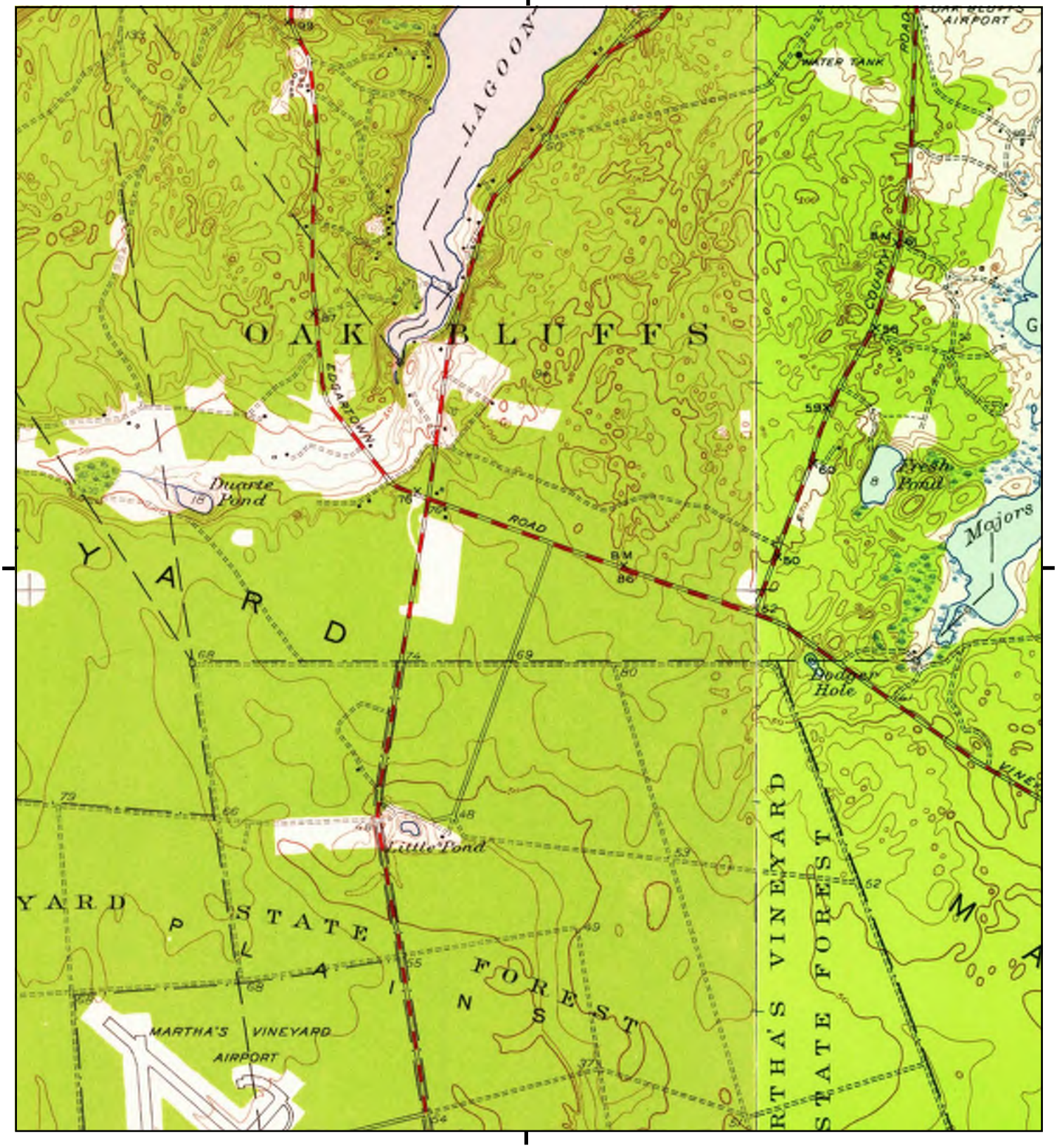
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Vineyard Haven, 1972, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N



This report includes information from the following map sheet(s).

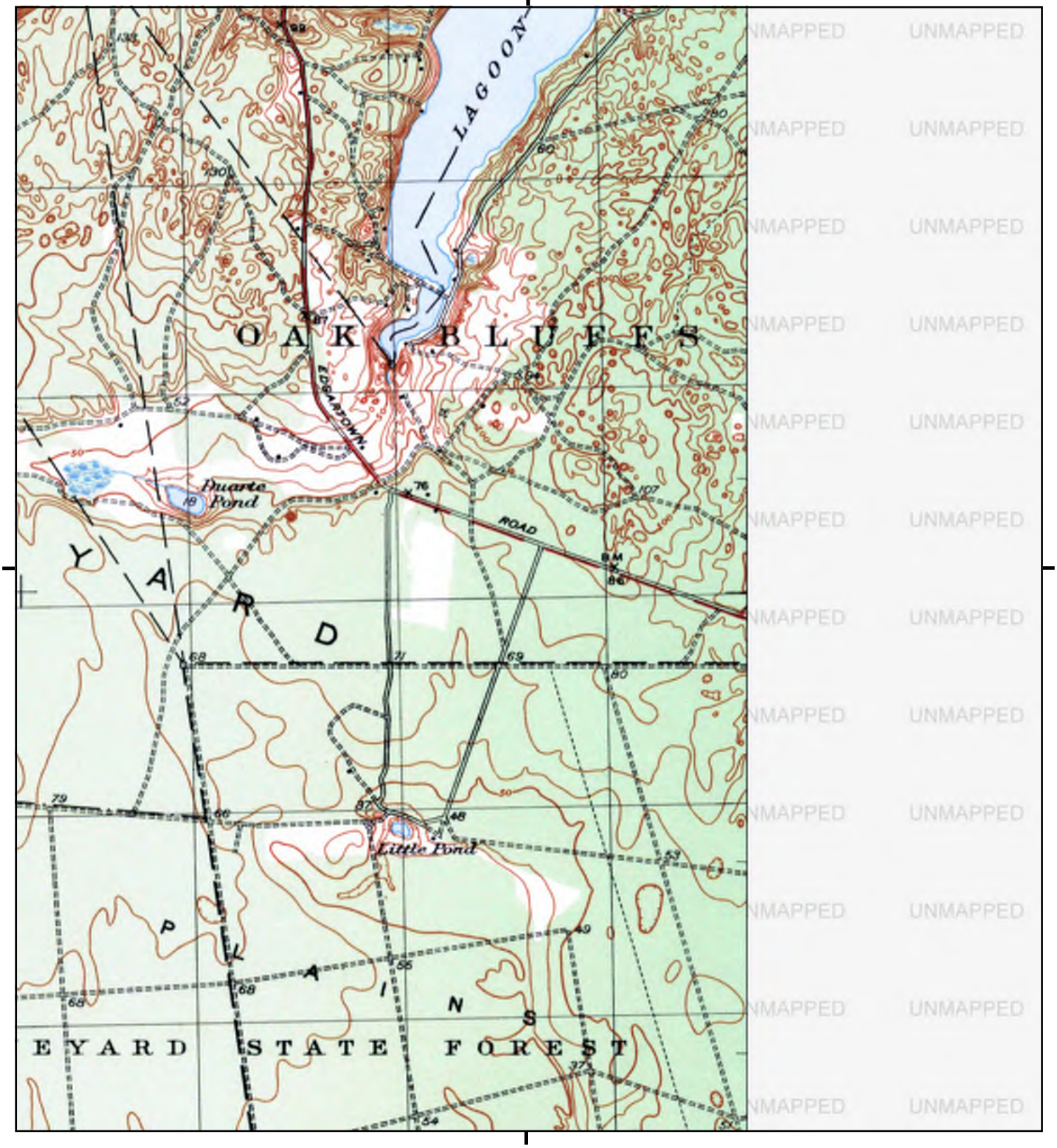
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Vineyard Haven, 1951, 7.5-minute
E, Edgartown, 1951, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, VINEYARD HAVEN, 1944, 7.5-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Marthas Vineyard, 1894, 15-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Marthas Vineyard, 1889, 15-minute

SITE NAME: Marthas Vineyard Regional HS
ADDRESS: 100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568
CLIENT: Weston and Sampson Engineers

N

Appendix G:

Aerial Photographs

Marthas Vineyard Regional HS

100 Edgartown Vineyard Haven Road

Vineyard Haven, MA 02568

Inquiry Number: 7727842.8

August 07, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/07/24

Site Name:

Marthas Vineyard Regional HS
100 Edgartown Vineyard Have
Vineyard Haven, MA 02568
EDR Inquiry # 7727842.8

Client Name:

Weston and Sampson Engineers
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
Contact: Meghan Shanahan

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: March 10, 1995	USGS/DOQQ
1992	1"=500'	Flight Date: March 18, 1992	USGS
1985	1"=500'	Flight Date: March 26, 1985	USDA
1977	1"=500'	Flight Date: April 01, 1977	USGS
1969	1"=500'	Flight Date: November 13, 1969	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1952	1"=500'	Flight Date: July 07, 1952	USDA
1938	1"=500'	Flight Date: November 21, 1938	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7727842.8
YEAR: 2018
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 2014
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 1995
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 1992
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 7727842.8
YEAR: 1977
= 500'
N
EDR

INQUIRY #: 7727842.8

YEAR: 1969

= 500'

N

EDR

INQUIRY #: 7727842.8

YEAR: 1960

= 500'

N

EDR

INQUIRY #: 7727842.8

YEAR: 1952

= 500'

N

EDR


INQUIRY #: 7727842.8
YEAR: 1938
= 500'
N
EDR

Appendix H:

City Directories

Marthas Vineyard Regional HS
100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Inquiry Number: 7727842.5
August 07, 2024

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☐	EDR Digital Archive
2017	☑	☐	Cole Information
2014	☑	☐	Cole Information
2010	☑	☐	Cole Information
2005	☑	☐	Cole Information
2000	☑	☐	Cole Information
1992	☑	☐	Cole Information
1989	☑	☐	Cole Criss-Cross Directory
1984	☑	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Year	*CD Image*	*Source*

EDGARTOWN VINEYARD HAVEN RD

2020	pg A1	EDR Digital Archive
2017	pg A2	Cole Information
2014	pg A3	Cole Information
2010	pg A4	Cole Information
2005	pg A5	Cole Information
2000	pg A6	Cole Information
1992	pg A7	Cole Information
1989	pg A8	Cole Criss-Cross Directory
1984	pg A9	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

EDGARTOWN VINEYARD HAVEN RD 2020

65	Christopher Baer
	Sharon Moore
148	Monica Miller
	Nick Warburton
	Noelle Warburton

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 2017

100	M & M COMMUNITY DEVELOPMENT INC OAK
111	MARTHAS VINEYARD COMMUNITY SERVICES YMCA

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 2014

25	ABROMAITIS, JENNIFER
41	OCCUPANT UNKNOWN,
52	MARTHAS VINEYARD MASONIC TEMPLE
56	CHAPMAN COLE & GLEASON FUNERAL HOME
	VERVILLE, LEONARD
60	REVIVAL CHURCH FOR THE NATION
65	BAER, CHRISTOPHER S
79	GAMBA, RONALD G
91	MARTHAS VINEYARD FIGURE SKATING CLU
	MINCONE, M
	SPORT HAVEN
100	MARTHAS VINEYARD COMMUNITY TELEVISIO
	MVTV
111	MARTHAS VINEYARD COMMUNITY SERVICES
	YMCA MARTHAS VINEYARD
124	BREEN, PAUL
132	ALVARES, JOELCIO
138	SULLIVAN, JOSEPH J
145	DOS, SANTOS
148	MILLER, MONICA
164	WHITE BROSLYNCH CORP ASPHALT PLANT
179	WHITE, A
203	AARONSON, RACHEL

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 2010

56	VERVILLE, LEONARD
65	BAER, CHRISTOPHER S
73	CIBULASOVA, MARIANNA
91	MINCONE, M
111	MARTHAS VINEYARD COMMUNITY MENTAL HEALTH DEPT
124	OBERG, DARLENE L
132	ALVARES, JOELCIO
138	SULLIVAN, JOSEPH J
145	DOS, SANTOS
147	TILTON RENTALL
148	MILLER, MONICA
179	WHITE, A

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 2005

52 WORLD REVIVAL CHURCH ASSEMBLY
56 CHAPMAN COLE & GLEASON FUNERAL HOME
65 BAER L JANICE
JANICE BAER LCSW

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 2000

111 MARTHAS VINEYARD COMMUNITY SERVICES INCORPORATED

Target Street	Cross Street	Source
✓	-	Cole Information

EDGARTOWN VINEYARD HAVEN RD 1992

35 SWANSEY, M
SWANSEY, M S

EDGARTOWN VINEYARD HAVEN RD 1989

NO # Chester Vincent 83 693-3081
NO # Walter C Vincent 81 693-3244
NO #★ Vine Inc 84 693-6300
NO #★ Twn Fire Dept 76 693-2749
NO # Astrea D Young . . . . ⌑ 693-9801
NO # Mrs George C Young . . 80 693-0665
NO # George W Young . . . . - 693-8818
NO # James L Young 81 693-9922
NO #★ Youth Hostel . . . . . 79 ⊙ 693-2665
53 RESIDENCE 14 BUSINESS

● EDGARTOWN TRIANGLE 02539

See Edgartown Vineyard Haven Rd
Edgartown

● EDGRTWN VNYD HV RD 02539

New Street-1987.
Edgartown

58 Jos J Sullivan . . . . . ⌑ 693-7963
224★ Aunties Attic 83 627-9833
★ Southwood Realty . . . 85 627-8150
256★ Able Builders Inc . . . 87 627-3039
332 Susan Blaby . . . . . ⌑ 627-7625
629 John Marino 87 627-9844
NO # David Phaedra Ben . . . 86 627-5171
NO # David A Ben II 73 627-5634
NO # Mrs D Bettencourt . . . 76 627-8307
NO #★ Dukes Travel Srv . . . 82 627-4779
NO #★ Harborside Realty . . . 78 627-3721
NO #★ Hlthy Grmt Ntl Fds . . ⌑ 627-7171
NO #★ Taylor Woodworking . 87 627-3810
6 RESIDENCE 7 BUSINESS

● EDGRTWN VNYD HV RD 02557

Oak Bluffs

OFF Gene Mazzaferro 81 693-9337
NO # Wm S Bradley . . . . . ⌑ 693-5946
NO # Kevin Doohan 87 693-5698
NO # R Kent Fritz . . . . . ⌑ 693-6914
NO # Fred C Hall . . . . . ⌑ 693-6727
NO # Deborah Irvine 86 693-5592
NO # Charlene Marinelli . . . 87 693-6608
NO # Charles Marinelli 80 693-9174
NO # Peter L Tailer 81 693-3658
NO # Tucker Wilson 87 693-3239
NO #★ Windfarm Museum . . 80 693-3658
NO # Ron Zavarella 85 693-6742
NO # S Zimmerman 86 693-6237
12 RESIDENCE 1 BUSINESS

● EDGARTWN W TISBURY 02539

Edgartown

OFF Douglas Ewing . . . . . - 627-9264
Peter G Shemeth 77 627-8326
2 RESIDENCE

● EDGARTWN W TISBURY 02575

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

EDGARTOWN VINEYARD HAVEN RD 1984

Appendix I:

Environmental Data Resources, Inc. Radius Report

Marthas Vineyard Regional HS
100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Inquiry Number: 7727842.2s
August 06, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

COORDINATES

Latitude (North):	41.4177120 - 41° 25' 3.76''
Longitude (West):	70.5958390 - 70° 35' 45.02''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	366632.6
UTM Y (Meters):	4586145.0
Elevation:	79 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	17175367 EDGARTOWN, MA
Version Date:	2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20180827
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	OAK BLUFFS WATER DEP	LAGOON POND PUMP STA	SHWS, RELEASE	Lower	3833, 0.726, NNW
2	TRANSFORMER	43-45 HEAD OF POND R	SHWS, RELEASE	Lower	5172, 0.980, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Solid Waste Facility Database/Transfer Stations

Lists of state and tribal leaking storage tanks

LUST ..... Leaking Underground Storage Tank Listing
LAST ..... Leaking Aboveground Storage Tank Sites
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Summary Listing of all the Tanks Registered in the State of Massachusetts
AST ..... Aboveground Storage Tank Database
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ..... Sites With Activity and Use Limitation

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Completed Brownfields Covenants Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
US CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS ..... Liens Information Listing

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
RELEASE	Reportable Releases Database
SPILLS	Historical Spill List
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS TRIS	List of PFAS Added to the TRI

PFAS RCRA MANIFEST PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR PFAS Contamination Site Location Listing
PFAS WQP Ambient Environmental Sampling for PFAS
PFAS PROJECT NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES Clean Water Act Discharge Monitoring Information
PFAS ECHO Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC Aqueous Foam Related Incidents Listing
BIOSOLIDS ICIS-NPDES Biosolids Facility Data
UST FINDER UST Finder Database
UST FINDER RELEASE UST Finder Releases Database
E MANIFEST Hazardous Waste Electronic Manifest System
PFAS PFAS Contaminated Sites Listing
AIRS Permitted Facilities Listing
ASBESTOS ASBESTOS
DRYCLEANERS Regulated Drycleaning Facilities
ENF Enforcement Action Cases
Financial Assurance Financial Assurance Information Listing
GWDP Ground Water Discharge Permits
HW GEN List of Massachusetts Hazardous Waste Generators
MERCURY Mercury Product Recyling Drop-Off Locations Listing
NPDES NPDES Permit Listing
TIER 2 Tier 2 Information Listing
TSD TSD Facility
UIC Underground Injection Control Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

SHWS: Contains information on releases of oil and hazardous materials that have been reported to DEP.

A review of the SHWS list, as provided by EDR, and dated 01/09/2024 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

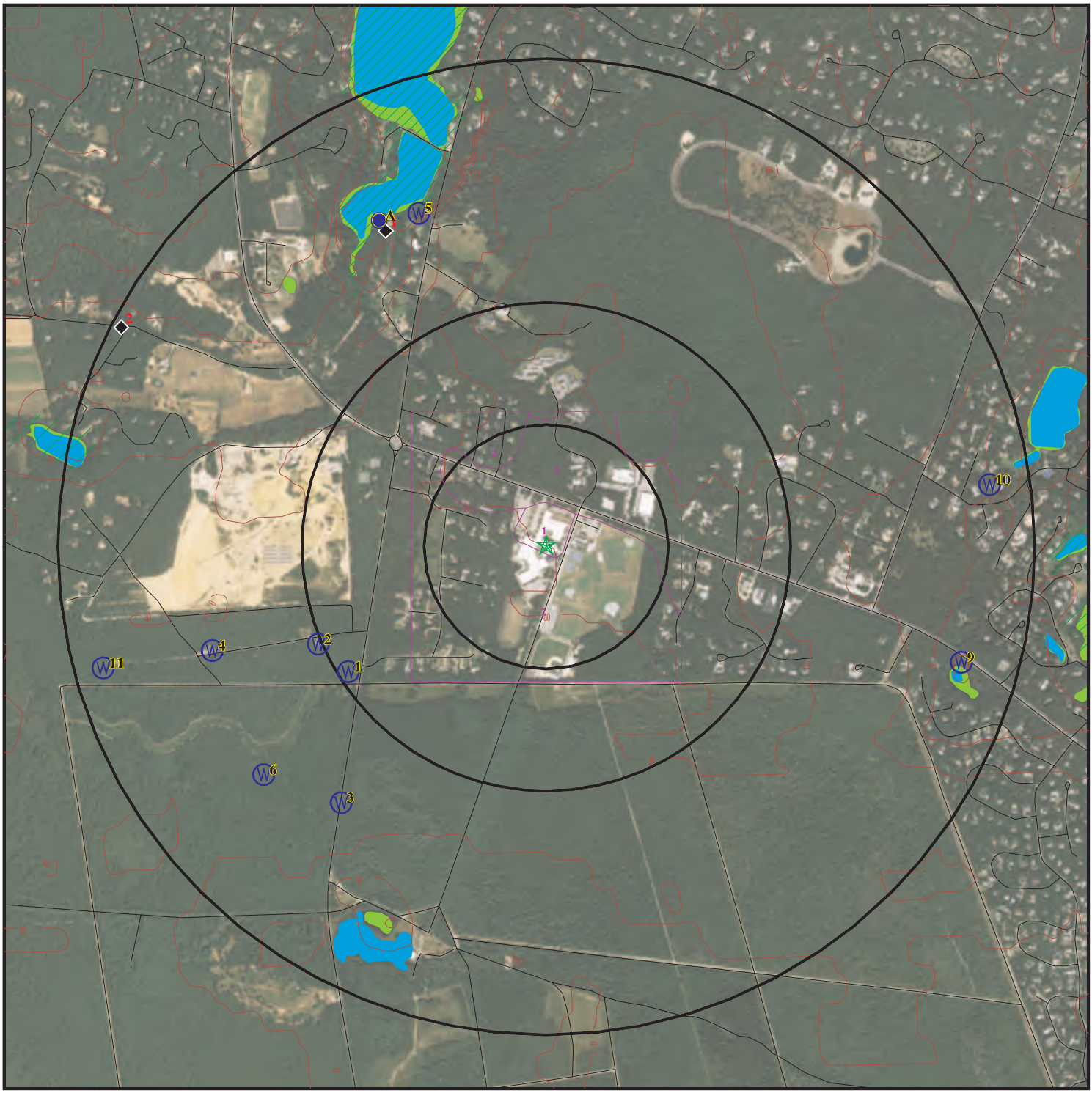
Lower Elevation	Address	Direction / Distance	Map ID	Page
OAK BLUFFS WATER DEP Release Tracking Number: 4-0000135 Current Status: DEPNDS	***LAGOON POND PUMP STA***	***NNW 1/2 - 1 (0.726 mi.)***	***1***	***8***
TRANSFORMER Release Tracking Number: 4-0022381 Current Status: RAO	***43-45 HEAD OF POND R***	***WNW 1/2 - 1 (0.980 mi.)***	***2***	***9***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 14 records.

Site Name	Database(s)
AT INTERSECTION	SHWS, RELEASE
PILGRIM ROAD AUTO REPAIR	SHWS, RELEASE, ENF
EDGARTOWN HARBOR	SHWS, RELEASE
MARTHA'S VINEYARD AIRPORT	SHWS, RELEASE
READING ROOM PIER	SHWS, RELEASE
ROADWAY	SHWS, RELEASE
TRACTOR TRAILER ACCIDENT	SHWS, RELEASE
KWAI	SHWS, RELEASE
KUEHNS WAY PROJ FOR ISLAND HOUSING	SHWS, RELEASE
HARBOR	SHWS, RELEASE
FUEL DOCK	SHWS, RELEASE
TISBURY STUMP LANDFILL	SWF/LF
MARTHAS VINEYARD RENTAL INC	RCRA NonGen / NLR
MARTHAS VINEYARD RENTAL INC	FINDS, ECHO

OVERVIEW MAP - 7727842.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

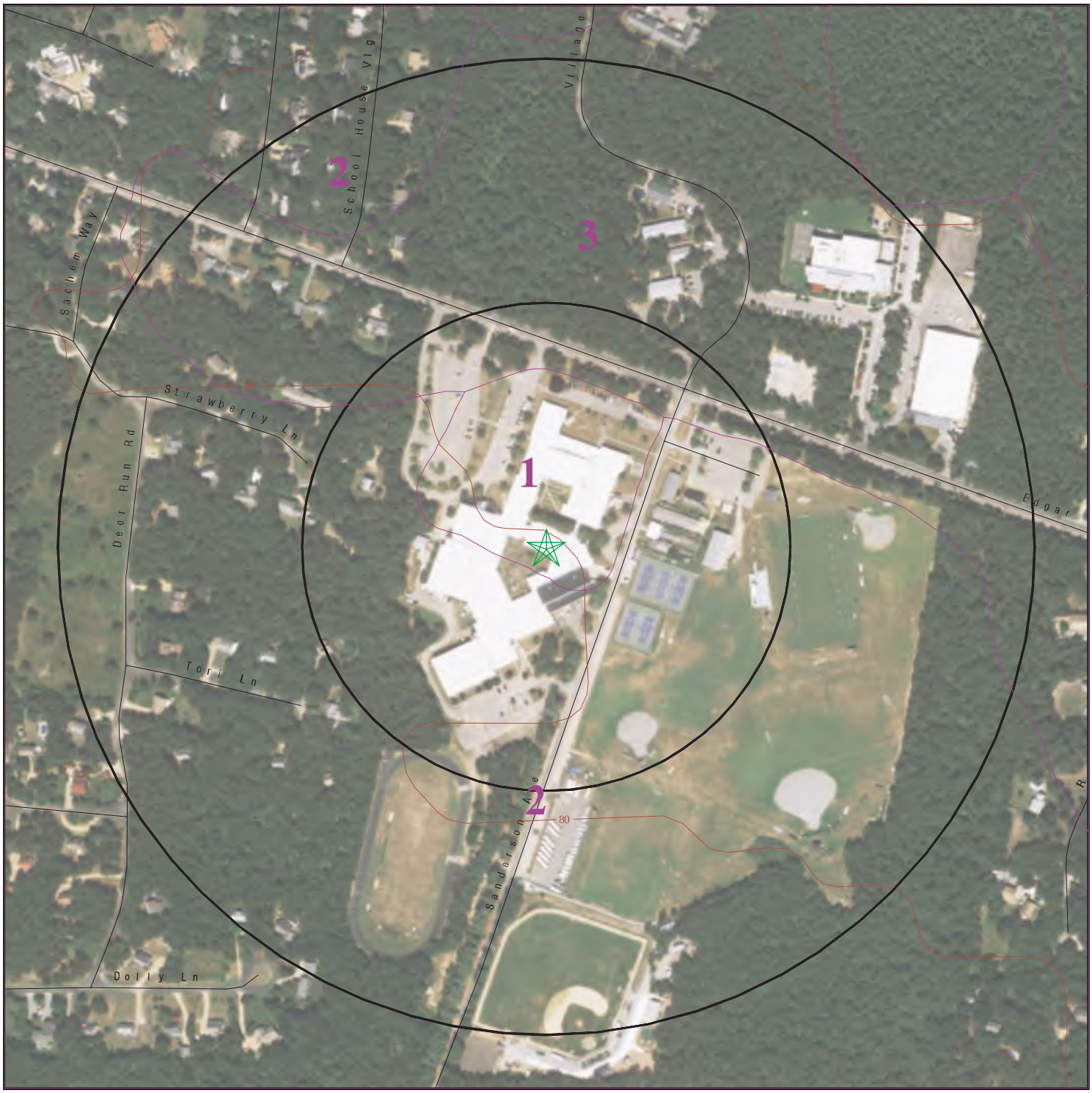
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:25 pm

DETAIL MAP - 7727842.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:27 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
RELEASE	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GWDP	TP		NR	NR	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
MERCURY	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
TSD	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	2	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
NNW
1/2-1
0.726 mi.
3833 ft.

OAK BLUFFS WATER DEPT
LAGOON POND PUMP STA
OAK BLUFFS, MA 02557

SHWS RELEASE | **S100041738 N/A**

Relative:
Lower

Actual:
16 ft.

SHWS:

Name:	OAK BLUFFS WATER DEPT
Address:	LAGOON POND PUMP STA
City,State,Zip:	OAK BLUFFS, MA 02557
Facility ID:	4-0000135
Source Type:	Not reported
Release Town:	OAK BLUFFS
Notification Date:	07/10/1986
Category:	NONE
Associated ID:	Not reported
Current Status:	DEPNDS
Status Date:	07/23/1993
Phase:	Not reported
Response Action Outcome:	Not reported
Oil Or Haz Material:	Not reported

Release:

Name:	OAK BLUFFS WATER DEPT
Address:	LAGOON POND PUMP STA
City,State,Zip:	OAK BLUFFS, MA 02557
Release Tracking Number/Current Status:	4-0000135 / DEPNDS
Primary ID:	Not reported
Official City:	OAK BLUFFS
Notification:	07/10/1986
Category:	NONE
Status Date:	07/23/1993
Phase:	Not reported
Response Action Outcome:	-
Oil / Haz Material Type:	Not reported

Click here to access the MA DEP site for this facility:

Actions:

Action Type:	A Notice sent to a Potentially Responsible Party (PRP)
Action Status:	A MassDEP piece of correspondence was issued (approvals, NORs, etc.
Action Date:	7/10/1986
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Valid Transition Site
Action Date:	7/10/1986
Response Action Outcome:	Not reported
Action Type:	TREGS
Action Status:	DEPNDS
Action Date:	7/23/1993
Response Action Outcome:	Not reported

Chemicals:

Chemical:	UNKNOWN
Quantity:	Not reported

2
WNW
1/2-1
0.980 mi.
5172 ft.

TRANSFORMER
43-45 HEAD OF POND RD
OAK BLUFFS, MA

SHWS
RELEASE

S110115203
N/A

Relative:
Lower

Actual:
50 ft.

SHWS:

Name:	TRANSFORMER
Address:	43-45 HEAD OF POND RD
City,State,Zip:	OAK BLUFFS, MA
Facility ID:	4-0022381
Source Type:	TRANSFORM
Release Town:	OAK BLUFFS
Notification Date:	01/07/2010
Category:	TWO HR
Associated ID:	Not reported
Current Status:	RAO
Status Date:	02/08/2010
Phase:	Not reported
Response Action Outcome:	A1
Oil Or Haz Material:	Oil

Release:

Name:	TRANSFORMER
Address:	43-45 HEAD OF POND RD
City,State,Zip:	OAK BLUFFS, MA
Release Tracking Number/Current Status:	4-0022381 / RAO
Primary ID:	Not reported
Official City:	OAK BLUFFS
Notification:	01/07/2010
Category:	TWO HR
Status Date:	02/08/2010
Phase:	Not reported
Response Action Outcome:	A1 - A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Oil / Haz Material Type:	Oil

Click here to access the MA DEP site for this facility:

Actions:

Action Type:	Immediate Response Action
Action Status:	Oral Approval of Plan or Action
Action Date:	1/7/2010
Response Action Outcome:	Not reported
Action Type:	Release Disposition
Action Status:	Reportable Release under MGL 21E
Action Date:	1/7/2010
Response Action Outcome:	Not reported
Action Type:	RNFE
Action Status:	Transmittal, Notice, or Notification Received
Action Date:	2/8/2010
Response Action Outcome:	Not reported
Action Type:	Response Action Outcome - RAO
Action Status:	RAO Statement Received
Action Date:	2/8/2010

TRANSFORMER (Continued) **S110115203**

Response Action Outcome: Not reported

Action Type: Response Action Outcome - RAO
Action Status: Level I - Technical Screen Audit
Action Date: 5/7/2010
Response Action Outcome: Not reported

Chemicals:
Chemical: MINERAL OIL
Quantity: 35 gallons
Location Type: RIGHTOFWAY
Location Type: ROADWAY
Source: TRANSFORM

Count: 14 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EDGARTOWN	S101507441	AT INTERSECTION	EDGARTOWN AND STATE RD	02539	SHWS, RELEASE
EDGARTOWN	S113882767	PILGRIM ROAD AUTO REPAIR	EDGARTOWN WEST TISBURY RD	02539	SHWS, RELEASE, ENF
EDGARTOWN	S105200550	EDGARTOWN HARBOR	EDGARTOWN HBR	02539	SHWS, RELEASE
EDGARTOWN	S125163348	MARTHA'S VINEYARD AIRPORT	SOUTH OF WEST LINE ROAD	02539	SHWS, RELEASE
EDGARTOWN	S108034584	READING ROOM PIER	STATE PIER	02539	SHWS, RELEASE
EDGARTOWN	S118947557	ROADWAY	VINEYARD HAVEN EDGARTOWN ROAD		SHWS, RELEASE
FALL RIVER	S121394514	TRACTOR TRAILER ACCIDENT	ROUTE 24 SOUTH MM 8.3	02539	SHWS, RELEASE
TISBURY	1000407185	MARTHAS VINEYARD RENTAL INC	EDGARTOWN RD VINEYARD HVN	02568	RCRA NonGen / NLR
TISBURY	1016272912	MARTHAS VINEYARD RENTAL INC	EDGARTOWN RD VINEYARD HVN	02568	FINDS, ECHO
TISBURY	S101395317	TISBURY STUMP LANDFILL	PINE/SOUTH MAIN STS	02568	SWF/LF
TISBURY	S108034397	KWAI	VINEYARD HAVEN HBR	02568	SHWS, RELEASE
VINEYARD HAVEN	S127590323	KUEHNS WAY PROJ FOR ISLAND HOUSING	937 STATE RD	02568	SHWS, RELEASE
VINEYARD HAVEN	S107517143	HARBOR	VINEYARD HAVEN HBR		SHWS, RELEASE
VINEYARD HAVEN	S118947521	FUEL DOCK	VINEYARD HAVEN HARBOR		SHWS, RELEASE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/25/2024
Date Data Arrived at EDR: 03/26/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024
Date Data Arrived at EDR: 05/01/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/31/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/13/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Site Transition List

Contains information on releases of oil and hazardous materials that have been reported to DEP.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

LF PROFILES: Landfill Profiles Listing

This spreadsheet describes landfills that have actively accepted waste or have closed under MassDEP Solid Waste Regulations first adopted in 1971 (310 CMR 16.00 and 310 CMR 19.00). The list does not include landfills that closed before 1971 (and which never had a MassDEP permit or approval), or for which agency data is incomplete.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 48

Source: Department of Environmental Protection
Telephone: 617-292-5868
Last EDR Contact: 06/25/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

SWF/LF: Solid Waste Facility Database/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/09/2023
Date Data Arrived at EDR: 06/26/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 80

Source: Department of Environmental Protection
Telephone: 617-292-5989
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Listing

Sites within the Leaking Underground Storage Tank Listing that have a UST listed as its source.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 79
Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/17/2024
Number of Days to Update: 90

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

UST: Summary Listing of all the Tanks Registered in the State of Massachusetts
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 04/26/2024
Date Made Active in Reports: 07/19/2024
Number of Days to Update: 84

Source: Department of Fire Services, Office of the Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/31/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Quarterly

AST 2: Aboveground Storage Tanks
Aboveground storage tanks

Date of Government Version: 04/11/2024
Date Data Arrived at EDR: 04/11/2024
Date Made Active in Reports: 07/10/2024
Number of Days to Update: 90

Source: Department of Fire Services
Telephone: 978-567-3181
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

AST: Aboveground Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 03/01/2024
Date Data Arrived at EDR: 04/10/2024
Date Made Active in Reports: 05/14/2024
Number of Days to Update: 34

Source: Department of Public Safety
Telephone: 617-556-1035
Last EDR Contact: 07/09/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: No Update Planned

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/14/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS 2: Potential Brownfields Listing

A listing of potential brownfields site locations in the state.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 10/16/2023
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 617-556-1007
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

BROWNFIELDS: Completed Brownfields Covenants Listing

Under Massachusetts law, M.G.L. c. 21E is the statute that governs the cleanup of releases of oil and/or hazardous material to the environment. The Brownfields Act of 1998 amended M.G.L. c. 21E by establishing significant liability relief and financial incentives to spur the redevelopment of brownfields, while ensuring that the Commonwealth's environmental standards are met. Most brownfields are redeveloped with the benefit of liability protections that operate automatically under M.G.L. c. 21E.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/26/2024
Date Made Active in Reports: 04/17/2024
Number of Days to Update: 82

Source: Office of the Attorney General
Telephone: 617-963-2423
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 05/10/2024
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/11/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/22/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/10/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/18/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS: Liens Information Listing
A listing of environmental liens.

Date of Government Version: 03/07/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/21/2018
Number of Days to Update: 104
Source: Department of Environmental Protection
Telephone: 617-292-5628
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 01/09/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993
Date Data Arrived at EDR: 12/03/2003
Date Made Active in Reports: 12/31/2003
Number of Days to Update: 28

Source: Department of Environmental Protection
Telephone: 617-292-5720
Last EDR Contact: 12/03/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 36

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/10/1998
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/05/2013
Number of Days to Update: 61

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/05/2024
Next Scheduled EDR Contact: 11/18/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/20/2024
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/11/2024
Date Data Arrived at EDR: 07/11/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 1

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 23

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/01/2024
Date Data Arrived at EDR: 04/17/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 07/11/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/28/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2024
Date Data Arrived at EDR: 04/19/2024
Date Made Active in Reports: 06/26/2024
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/24/2024
Next Scheduled EDR Contact: 11/11/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/22/2024
Date Data Arrived at EDR: 06/03/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/01/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/01/2024
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 99

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/02/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/22/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024
Date Data Arrived at EDR: 03/19/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 79

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024
Date Data Arrived at EDR: 02/27/2024
Date Made Active in Reports: 05/24/2024
Number of Days to Update: 87

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 05/29/2024
Next Scheduled EDR Contact: 09/09/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/08/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2024
Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/23/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/28/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/18/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 06/04/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 07/01/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 04/14/2024
Date Data Arrived at EDR: 04/16/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/16/2024
Next Scheduled EDR Contact: 10/28/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 05/08/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 06/07/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

PFAS: PFAS Contaminated Sites Listing

Detection of Per- and Polyfluoroalkyl Substances (PFAS) in drinking water.

Date of Government Version: 03/01/2024
Date Data Arrived at EDR: 03/27/2024
Date Made Active in Reports: 06/13/2024
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 617-292-6770
Last EDR Contact: 06/21/2024
Next Scheduled EDR Contact: 10/07/2024
Data Release Frequency: Varies

AIRS: Permitted Facilities Listing

A listing of Air Quality permit applications.

Date of Government Version: 07/08/2024
Date Data Arrived at EDR: 07/08/2024
Date Made Active in Reports: 07/10/2024
Number of Days to Update: 2

Source: Department of Environmental Protection
Telephone: 617-292-5789
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 617-292-5982
Last EDR Contact: 05/23/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

DRYCLEANERS: Regulated Drycleaning Facilities

A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 06/27/2024
Date Data Arrived at EDR: 07/08/2024
Date Made Active in Reports: 07/23/2024
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Action Cases

A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 07/08/2024
Date Data Arrived at EDR: 07/08/2024
Date Made Active in Reports: 07/10/2024
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/03/2011
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 05/31/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/04/2024
Date Data Arrived at EDR: 04/26/2024
Date Made Active in Reports: 07/19/2024
Number of Days to Update: 84

Source: Office of State Fire Marshal
Telephone: 978-567-3100
Last EDR Contact: 07/31/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 54

Source: Department of Environmental Protection
Telephone: 617-292-5970
Last EDR Contact: 06/13/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Varies

GWDP: Ground Water Discharge Permits

The Ground Water Discharge Permits datalayer (formerly known as Groundwater Discharge Points) is a statewide point dataset containing approximate locations of permitted discharges to groundwater.

Date of Government Version: 11/20/2023
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/09/2024
Number of Days to Update: 76

Source: MassGIS
Telephone: 617-556-1150
Last EDR Contact: 07/23/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Varies

HW GEN: List of Massachusetts Hazardous Waste Generators

Permanent generator identification numbers for all Massachusetts generators of hazardous waste and waste oil that have registered with or notified MassDEP of their hazardous waste activities.

Date of Government Version: 03/08/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/13/2024
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Semi-Annually

MERCURY: Mercury Product Recyling Drop-Off Locations Listing

A listing of locations, collecting and recycling for mercury-added products. Mercury is toxic to the human nervous system, as well as fish and animals. Mercury can enter the body either through skin absorption or through inhalation of mercury vapors. At room temperature, small beads of mercury will vaporize.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 02/21/2024
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: 617-292-5632
Last EDR Contact: 05/09/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Varies

NPDES: NPDES Permit Listing
Listing of treatment plants in Massachusetts that hold permits to discharge to groundwater.

Date of Government Version: 05/06/2024
Date Data Arrived at EDR: 05/07/2024
Date Made Active in Reports: 07/30/2024
Number of Days to Update: 84
Source: Department of Environmental Protection
Telephone: 508-767-2781
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/30/2023
Number of Days to Update: 21
Source: Massachusetts Emergency Management Agency
Telephone: 508-820-2019
Last EDR Contact: 07/31/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Annually

TSD: TSD Facility
List of Licensed Hazardous Waste Treatment, Storage Disposal Facilities (TSDFs) in Massachusetts.

Date of Government Version: 03/08/2024
Date Data Arrived at EDR: 03/20/2024
Date Made Active in Reports: 06/13/2024
Number of Days to Update: 85
Source: Department of Environmental Protection
Telephone: 617-292-5580
Last EDR Contact: 06/17/2024
Next Scheduled EDR Contact: 09/30/2024
Data Release Frequency: Varies

UIC: Underground Injection Control Listing
A list of UIC registration data and their locations

Date of Government Version: 05/06/2024
Date Data Arrived at EDR: 05/07/2024
Date Made Active in Reports: 05/21/2024
Number of Days to Update: 14
Source: Department of Environmental Protection
Telephone: 617-566-1172
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Protection in Massachusetts.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/05/2024
Date Data Arrived at EDR: 05/07/2024
Date Made Active in Reports: 08/01/2024
Number of Days to Update: 86

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/07/2024
Next Scheduled EDR Contact: 08/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/26/2024
Next Scheduled EDR Contact: 10/14/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/25/2024
Next Scheduled EDR Contact: 11/04/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2024
Next Scheduled EDR Contact: 08/26/2024
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/03/2024
Next Scheduled EDR Contact: 10/21/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2024
Next Scheduled EDR Contact: 09/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MARTHAS VINEYARD REGIONAL HS
100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

TARGET PROPERTY COORDINATES

Latitude (North):	41.417712 - 41° 25' 3.76''
Longitude (West):	70.595839 - 70° 35' 45.02''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	366632.6
UTM Y (Meters):	4586145.0
Elevation:	79 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	17175367 EDGARTOWN, MA
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

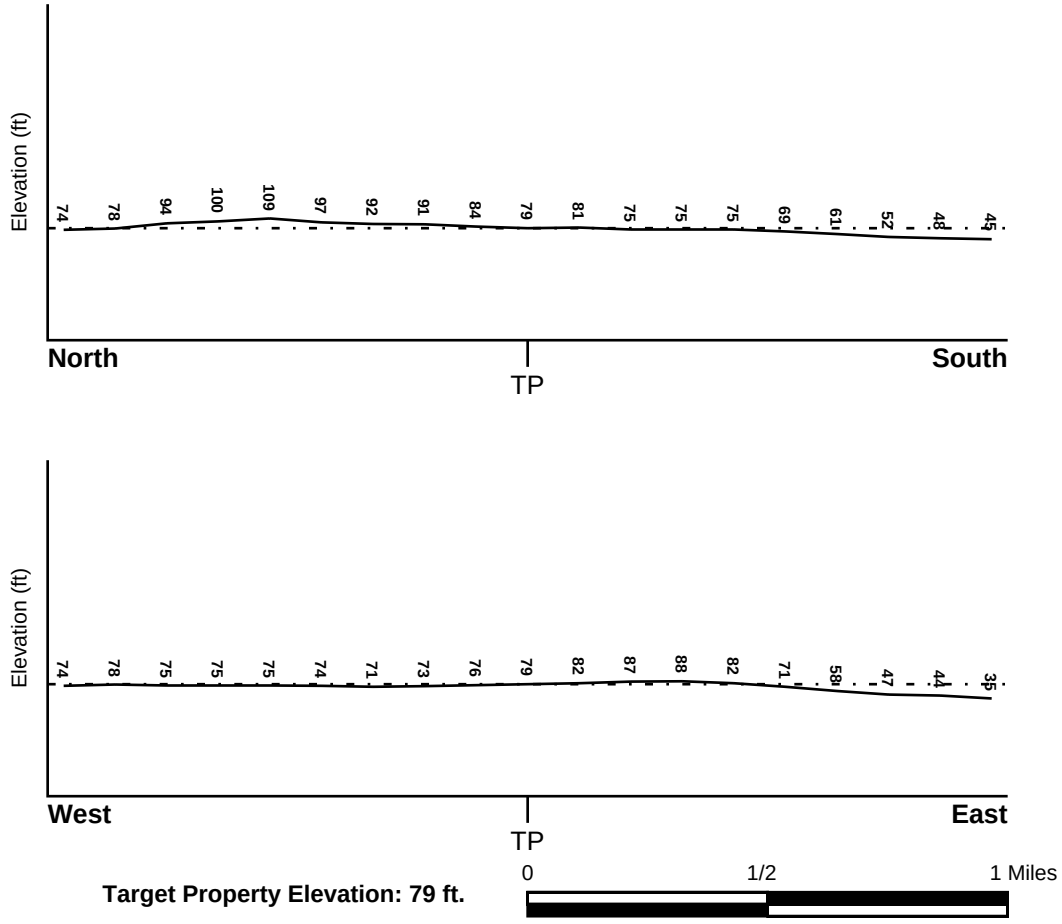
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 79 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
25007C0111H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
25007C0112H	FEMA FIRM Flood data
25007C0113H	FEMA FIRM Flood data
25007C0114H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VINEYARD HAVEN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

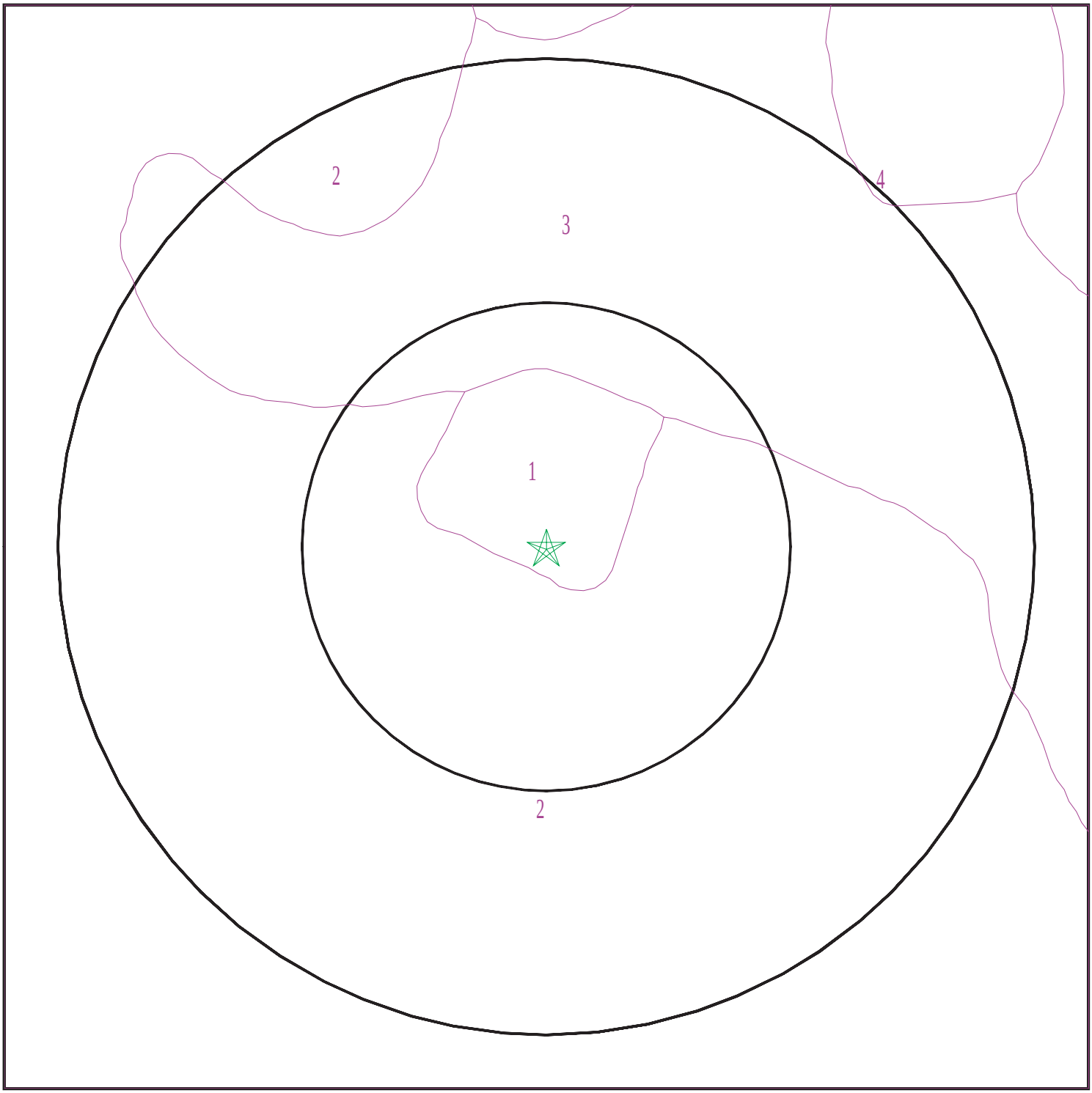
Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7727842.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:28 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Riverhead

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
2	3 inches	16 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
3	16 inches	24 inches	loamy sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
4	24 inches	59 inches	stratified sand and gravel	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5

Soil Map ID: 3

Soil Component Name: Riverhead

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
2	3 inches	16 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
3	16 inches	24 inches	loamy sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
4	24 inches	59 inches	stratified sand and gravel	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Carver

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6
2	3 inches	29 inches	loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6
3	29 inches	59 inches	coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000453583	1/4 - 1/2 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000453581	1/2 - 1 Mile SW
5	USGS40000453592	1/2 - 1 Mile NNW
6	USGS40000453582	1/2 - 1 Mile SW
A7	USGS40000453591	1/2 - 1 Mile NNW
9	USGS40000453585	1/2 - 1 Mile ESE
10	USGS40000453589	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

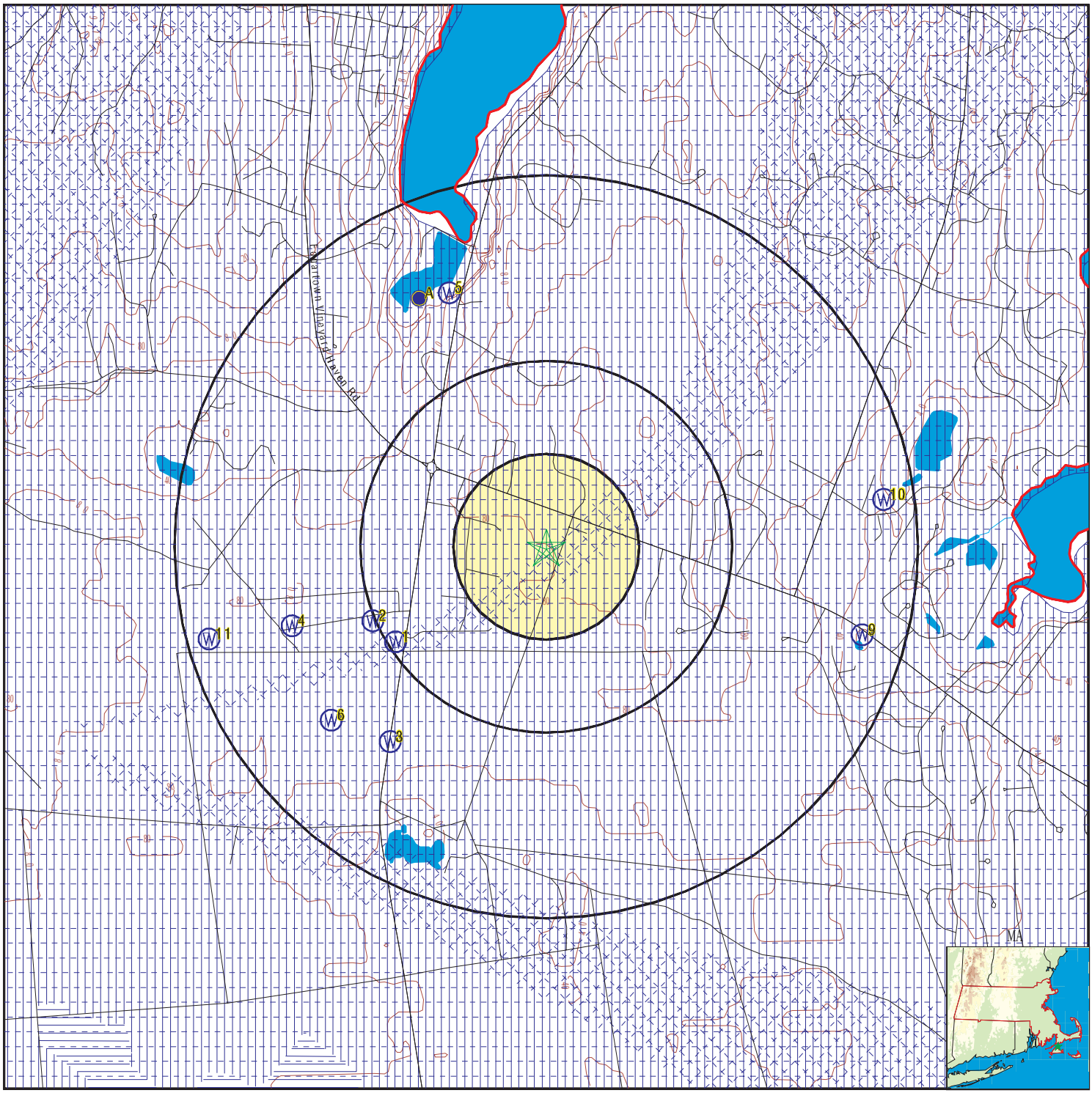
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MA1100000000686	1/2 - 1 Mile WSW
4	MA1100000001221	1/2 - 1 Mile WSW
A8	MA1100000002582	1/2 - 1 Mile NNW
11	MA1100000003009	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7727842.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:28 pm

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
WSW | **FED USGS** | **USGS40000453583**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 15	Type:	Well
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	197503	Well Depth:	76.3
Well Depth Units:	ft	Well Hole Depth:	76.3
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	20	Level reading date:	1978-09-26
Feet below surface:	53.39	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1978-08-26	Feet below surface:	52.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-22	Feet below surface:	52.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-24	Feet below surface:	52.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-27	Feet below surface:	53.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-22	Feet below surface:	53.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-26	Feet below surface:	53.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-18	Feet below surface:	53.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-28	Feet below surface:	55.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-14	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-14	Feet below surface:	55.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-27	Feet below surface:	55.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-10	Feet below surface:	56.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-26	Feet below surface:	57.18
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-03-15	Feet below surface:	57.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-11	Feet below surface:	57.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-30	Feet below surface:	57.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-20	Feet below surface:	56.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-23	Feet below surface:	56.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-19	Feet below surface:	56.52
Feet to sea level:	Not Reported	Note:	Not Reported

2
WSW **MA WELLS** **MA1100000000686**
1/2 - 1 Mile
Lower

WELLS:

PWS Source ID:	4221000-03G
Site Name:	WELL 3 STATE FOREST
PWS Type:	Community Groundwater Well
DEP Region:	4
Zone II #:	640

DWP Water Quality Testing System (WQTS) Information:

Water Supplier Name:	OAK BLUFFS WATER DISTRICT
Source Name:	WELL 3 STATE FOREST
Water Supplier Status:	Active
Source Status:	Active
Source Classification:	Community surface and groundwater sources
Source Availability:	ACTIVE

DWP Zone II Information:

Well Name:	WELL 3 STATE FOREST
Major Drainage Basin:	ISLANDS
Aquifer Type:	UNCNF
Zone II Approved By:	NSA
Zone II Submitted:	01-OCT-05
Zone II Approved:	01-FEB-06
Zone II Status:	Current
Source Pumping Rate (gpm):	1100

3
SW **FED USGS** **USGS40000453581**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 37	Type:	Well
Description:	SSWUDS USER 1859	HUC:	01090002

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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4
WSW **MA WELLS** **MA1100000001221**
1/2 - 1 Mile
Lower

WELLS:

PWS Source ID:	4221000-04G
Site Name:	MADISON ALWARDT SR. WELL 4
PWS Type:	Community Groundwater Well
DEP Region:	4
Zone II #:	640

DWP Water Quality Testing System (WQTS) Information:

Water Supplier Name:	OAK BLUFFS WATER DISTRICT
Source Name:	MADISON ALWARDT SR. WELL 4
Water Supplier Status:	Active
Source Status:	Active
Source Classification:	Community surface and groundwater sources
Source Availability:	ACTIVE

DWP Zone II Information:

Well Name:	MADISON ALWARDT SR. WELL 4
Major Drainage Basin:	ISLANDS
Aquifer Type:	UNCNF
Zone II Approved By:	NSA
Zone II Submitted:	01-OCT-05
Zone II Approved:	01-FEB-06
Zone II Status:	Current
Source Pumping Rate (gpm):	1000

5
NNW **FED USGS** **USGS40000453592**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 31	Type:	Well
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19770510	Well Depth:	7.8
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	12	Level reading date:	1978-09-24

Feet below surface:	0.58	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1978-08-26	Feet below surface:	0.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-22	Feet below surface:	0.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-24	Feet below surface:	0.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-27	Feet below surface:	0.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-22	Feet below surface:	0.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-26	Feet below surface:	0.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-15	Feet below surface:	1.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-15	Feet below surface:	0.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-27	Feet below surface:	1.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-10	Feet below surface:	1.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-10	Feet below surface:	1.27
Feet to sea level:	Not Reported	Note:	Not Reported

6
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000453582**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-ENW 40	Type:	Well
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	197503	Well Depth:	53.6
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	13	Level reading date:	1978-09-26
Feet below surface:	43.50	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1978-04-20	Feet below surface:	43.41
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-12-14	Feet below surface:	46.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-14	Feet below surface:	46.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-27	Feet below surface:	45.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-10	Feet below surface:	46.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-26	Feet below surface:	47.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	48.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-11	Feet below surface:	48.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-30	Feet below surface:	47.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-20	Feet below surface:	46.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-23	Feet below surface:	46.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-19	Feet below surface:	46.75
Feet to sea level:	Not Reported	Note:	Not Reported

A7
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000453591**

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 3	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1963	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A8
NNW
1/2 - 1 Mile
Lower

MA WELLS **MA1100000002582**

WELLS:

PWS Source ID:	4221000-01G
Site Name:	LAGOON POND WELLFIELD

PWS Type:	Community Groundwater Well
DEP Region:	4
Zone II #:	640

DWP Water Quality Testing System (WQTS) Information:

Water Supplier Name:	OAK BLUFFS WATER DISTRICT
Source Name:	LAGOON POND WELLFIELD
Water Supplier Status:	Active
Source Status:	Active
Source Classification:	Community surface and groundwater sources
Source Availability:	ACTIVE

DWP Zone II Information:

Well Name:	LAGOON POND WELLFIELD
Major Drainage Basin:	ISLANDS
Aquifer Type:	UNCNF
Zone II Approved By:	NSA
Zone II Submitted:	01-OCT-05
Zone II Approved:	01-FEB-06
Zone II Status:	Current
Source Pumping Rate (gpm):	550

9
ESE **FED USGS** **USGS40000453585**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 32	Type:	Well
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19770511	Well Depth:	10.5
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	13	Level reading date:	1978-09-24
Feet below surface:	3.49	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1978-08-26	Feet below surface:	3.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-22	Feet below surface:	2.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-24	Feet below surface:	2.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-27	Feet below surface:	2.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-22	Feet below surface:	2.76
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-03-26	Feet below surface:	2.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-18	Feet below surface:	3.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-14	Feet below surface:	5.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-15	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-28	Feet below surface:	4.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-10	Feet below surface:	5.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-11	Feet below surface:	5.45
Feet to sea level:	Not Reported	Note:	Not Reported

10
East **FED USGS** **USGS40000453589**
1/2 - 1 Mile
Lower

Organization ID:	USGS-MA		
Organization Name:	USGS Massachusetts Water Science Center		
Monitor Location:	MA-OBW 9	Type:	Well
Description:	Not Reported	HUC:	01090002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19580930	Well Depth:	40.3
Well Depth Units:	ft	Well Hole Depth:	40.3
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1958-09-30
Feet below surface:	3.00	Feet to sea level:	Not Reported
Note:	Not Reported		

11
WSW **MA WELLS** **MA1100000003009**
1/2 - 1 Mile
Lower

WELLS:

PWS Source ID:	4221000-05G
Site Name:	JOHN H. RANDOLPH JR. WELL 5
PWS Type:	Community Groundwater Well
DEP Region:	4
Zone II #:	640

DWP Water Quality Testing System (WQTS) Information:

Water Supplier Name:	OAK BLUFFS WATER DISTRICT
Source Name:	JOHN H. RANDOLPH JR. WELL 5
Water Supplier Status:	Active

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source Status:	Active
Source Classification:	Community surface and groundwater sources
Source Availability:	ACTIVE

DWP Zone II Information:

Well Name:	JOHN H. RANDOLPH JR. WELL 5
Major Drainage Basin:	Not Reported
Aquifer Type:	Not Reported
Zone II Approved By:	Not Reported
Zone II Submitted:	Not Reported
Zone II Approved:	Not Reported
Zone II Status:	Not Reported
Source Pumping Rate (gpm):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
DUKES	15	1.6

Federal EPA Radon Zone for DUKES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 02568

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.100 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers
Source: Executive Office of Environmental Affairs
Telephone:

Public Water Supply Database

Telephone:
The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

Areas of Critical Environmental Concern

Telephone:
The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers

Telephone:
The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by an EPA hydrogeologist.

Aquifers

Telephone:
MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas

Telephone:
Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

DEP Approved Zone IIs

Telephone:
The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is 'that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary).' These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.\n - Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line. \n- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.\n - Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

OTHER STATE DATABASE INFORMATION

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

Marthas Vineyard Regional HS
100 Edgartown Vineyard Haven Road
Vineyard Haven, MA 02568

Inquiry Number: 7727842.2s
August 06, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

COORDINATES

Latitude (North):	41.4177120 - 41° 25' 3.76''
Longitude (West):	70.5958390 - 70° 35' 45.02''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	366632.6
UTM Y (Meters):	4586145.0
Elevation:	79 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20180827
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	OAK BLUFFS WATER DEP	LAGOON POND PUMP STA	SHWS, RELEASE	Lower	3833, 0.726, NNW
2	TRANSFORMER	43-45 HEAD OF POND R	SHWS, RELEASE	Lower	5172, 0.980, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

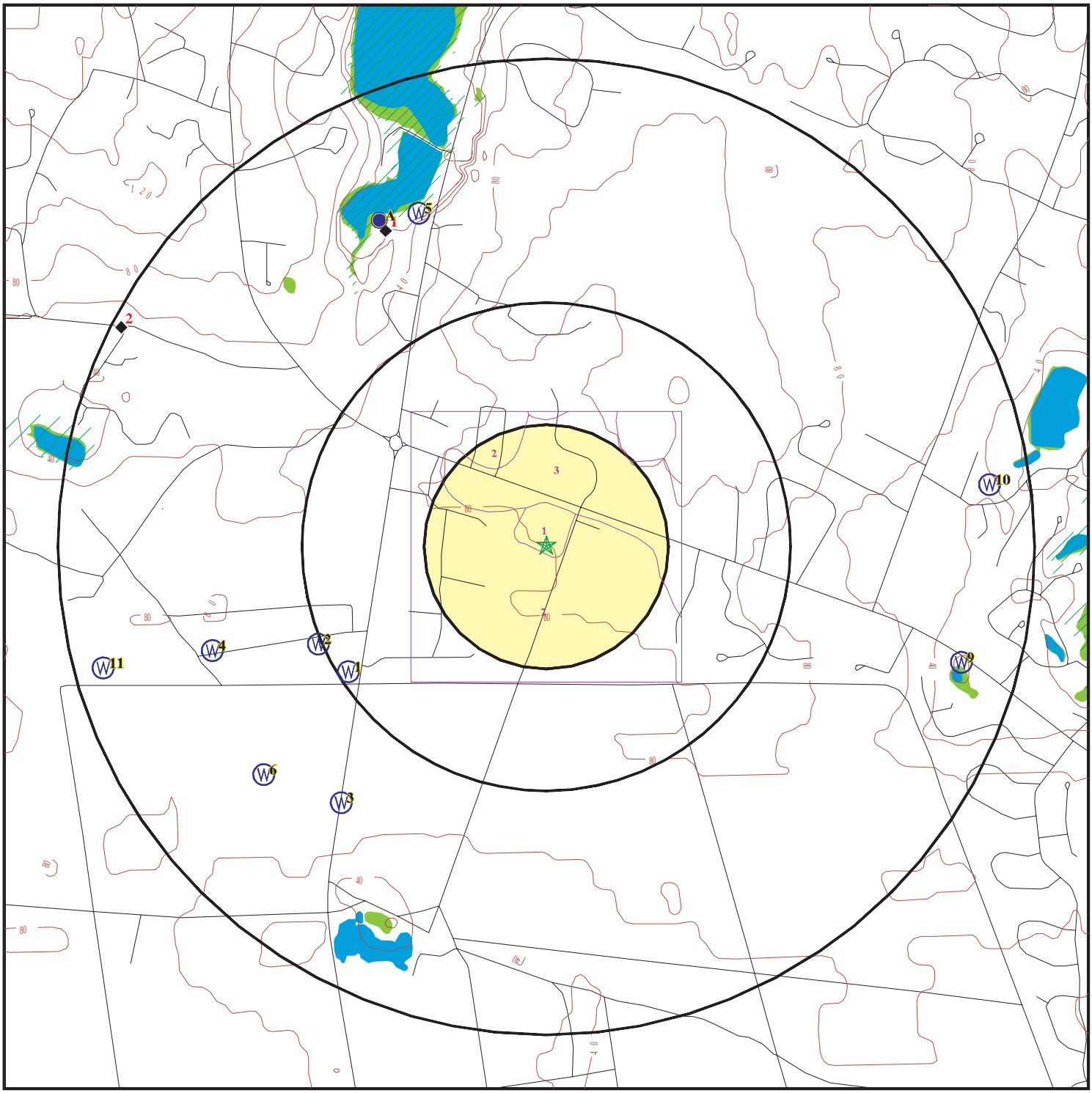
Unmappable (orphan) sites are not considered in the foregoing analysis.
SHWS: A review of the SHWS list, as provided by EDR, and dated 01/09/2024 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
OAK BLUFFS WATER DEP Release Tracking Number: 4-0000135 Current Status: DEPNDS	***LAGOON POND PUMP STA***	***NNW 1/2 - 1 (0.726 mi.)***	***1***	***8***
TRANSFORMER Release Tracking Number: 4-0022381 Current Status: RAO	***43-45 HEAD OF POND R***	***WNW 1/2 - 1 (0.980 mi.)***	***2***	***8***

Count: 14 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EDGARTOWN	S101507441	AT INTERSECTION	EDGARTOWN AND STATE RD	02539	SHWS, RELEASE
EDGARTOWN	S113882767	PILGRIM ROAD AUTO REPAIR	EDGARTOWN WEST TISBURY RD	02539	SHWS, RELEASE, ENF
EDGARTOWN	S105200550	EDGARTOWN HARBOR	EDGARTOWN HBR	02539	SHWS, RELEASE
EDGARTOWN	S125163348	MARTHA'S VINEYARD AIRPORT	SOUTH OF WEST LINE ROAD	02539	SHWS, RELEASE
EDGARTOWN	S108034584	READING ROOM PIER	STATE PIER	02539	SHWS, RELEASE
EDGARTOWN	S118947557	ROADWAY	VINEYARD HAVEN EDGARTOWN ROAD		SHWS, RELEASE
FALL RIVER	S121394514	TRACTOR TRAILER ACCIDENT	ROUTE 24 SOUTH MM 8.3	02539	SHWS, RELEASE
TISBURY	1000407185	MARTHAS VINEYARD RENTAL INC	EDGARTOWN RD VINEYARD HVN	02568	RCRA NonGen / NLR
TISBURY	1016272912	MARTHAS VINEYARD RENTAL INC	EDGARTOWN RD VINEYARD HVN	02568	FINDS, ECHO
TISBURY	S101395317	TISBURY STUMP LANDFILL	PINE/SOUTH MAIN STS	02568	SWF/LF
TISBURY	S108034397	KWAI	VINEYARD HAVEN HBR	02568	SHWS, RELEASE
VINEYARD HAVEN	S127590323	KUEHNS WAY PROJ FOR ISLAND HOUSING	937 STATE RD	02568	SHWS, RELEASE
VINEYARD HAVEN	S107517143	HARBOR	VINEYARD HAVEN HBR		SHWS, RELEASE
VINEYARD HAVEN	S118947521	FUEL DOCK	VINEYARD HAVEN HARBOR		SHWS, RELEASE

OVERVIEW MAP - 7727842.2S

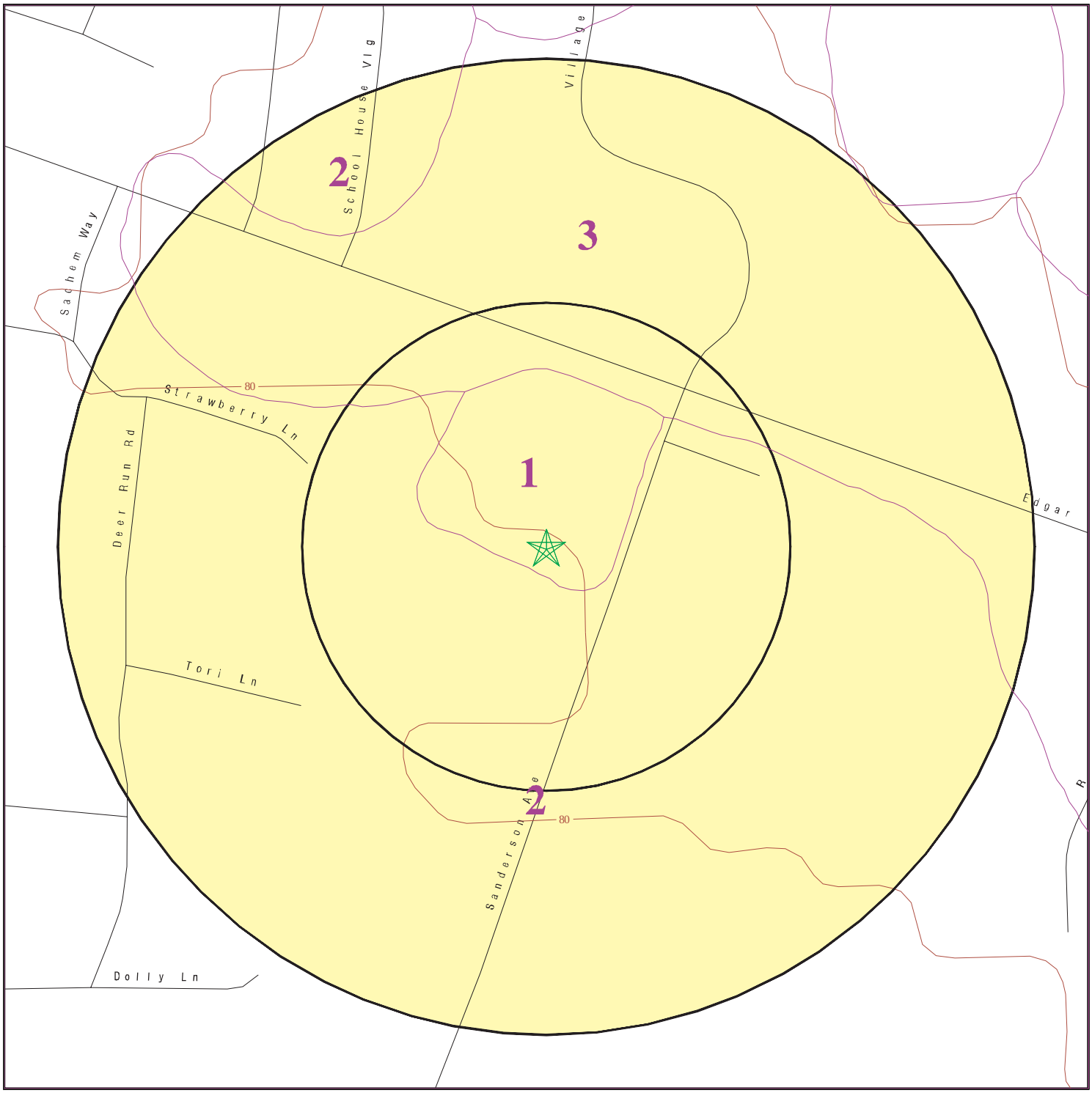


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:25 pm

DETAIL MAP - 7727842.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Critical Environmental Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:27 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
RELEASE	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
GWDP	TP		NR	NR	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
MERCURY	0.500		0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
TSD	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	2	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
NNW
1/2-1
0.726 mi.
3833 ft.

Relative:
Lower

OAK BLUFFS WATER DEPT
LAGOON POND PUMP STA
OAK BLUFFS, MA 02557

SHWS
RELEASE

S100041738
N/A

Click here for full text details

SHWS
Release Tracking Number 4-0000135
Current Status DEPNDS

RELEASE
Release Tracking Number / Current Status 4-0000135 / DEPNDS

Click here to access the MA DEP site for this facility

2
WNW
1/2-1
0.980 mi.
5172 ft.

Relative:
Lower

TRANSFORMER
43-45 HEAD OF POND RD
OAK BLUFFS, MA

SHWS
RELEASE

S110115203
N/A

Click here for full text details

SHWS
Release Tracking Number 4-0022381
Current Status RAO

RELEASE
Release Tracking Number / Current Status 4-0022381 / RAO

Click here to access the MA DEP site for this facility

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MA	AIRS	Permitted Facilities Listing	Department of Environmental Protection	07/08/2024	07/08/2024	07/10/2024
MA	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	02/12/2024	02/13/2024	05/01/2024
MA	AST	Aboveground Storage Tank Database	Department of Public Safety	03/01/2024	04/10/2024	05/14/2024
MA	AST 2	Aboveground Storage Tanks	Department of Fire Services	04/11/2024	04/11/2024	07/10/2024
MA	BROWNFIELDS	Completed Brownfields Covenants Listing	Office of the Attorney General	12/31/2019	01/26/2024	04/17/2024
MA	BROWNFIELDS 2	Potential Brownfields Listing	Department of Environmental Protection	07/11/2023	07/27/2023	10/16/2023
MA	DRYCLEANERS	Regulated Drycleaning Facilities	Department of Environmental Protection	06/27/2024	07/08/2024	07/23/2024
MA	ENFORCEMENT	Enforcement Action Cases	Department of Environmental Quality	07/08/2024	07/08/2024	07/10/2024
MA	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Environmental Protection	12/01/2010	12/23/2010	02/03/2011
MA	FIN ASSURANCE 2	Financial Assurance Information Listing	Office of State Fire Marshal	03/04/2024	04/26/2024	07/19/2024
MA	FIN ASSURANCE 3	Financial Assurance Information listing	Department of Environmental Protection	10/24/2022	01/12/2023	03/07/2023
MA	GWDP	Ground Water Discharge Permits	MassGIS	11/20/2023	01/24/2024	04/09/2024
MA	HW GEN	List of Massachusetts Hazardous Waste Generators	Department of Environmental Protection	03/08/2024	03/20/2024	06/13/2024
MA	INST CONTROL	Sites With Activity and Use Limitation	Department of Environmental Protection	01/09/2024	01/16/2024	04/04/2024
MA	LAST	Leaking Aboveground Storage Tank Sites	Department of Environmental Protection	01/09/2024	01/16/2024	04/04/2024
MA	LF PROFILES	Landfill Profiles Listing	Department of Environmental Protection	07/01/2015	10/27/2015	12/14/2015
MA	LIENS	Liens Information Listing	Department of Environmental Protection	03/07/2018	03/09/2018	06/21/2018
MA	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Protection	01/09/2024	01/16/2024	04/04/2024
MA	MA SPILLS	Historical Spill List	Department of Environmental Protection	09/30/1993	12/03/2003	12/31/2003
MA	MERCURY	Mercury Product Recyling Drop-Off Locations Listing	Department of Environmental Protection	02/12/2024	02/13/2024	02/21/2024
MA	NPDES	NPDES Permit Listing	Department of Environmental Protection	05/06/2024	05/07/2024	07/30/2024
MA	PFAS	PFAS Contaminated Sites Listing	Department of Environmental Protection	03/01/2024	03/27/2024	06/13/2024
MA	RELEASE	Reportable Releases	Department of Environmental Protection	01/09/2024	01/16/2024	04/04/2024
MA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/24/2013
MA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/24/2013
MA	SHWS	Site Transition List	Department of Environmental Protection	01/09/2024	01/16/2024	04/04/2024
MA	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	03/10/1998	01/03/2013	03/05/2013
MA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2012	01/03/2013	02/08/2013
MA	SWF/LF	Solid Waste Facility Database/Transfer Stations	Department of Environmental Protection	06/09/2023	06/26/2023	09/14/2023
MA	TIER 2	Tier 2 Information Listing	Massachusetts Emergency Management Agency	12/31/2022	11/09/2023	11/30/2023
MA	TSD	TSD Facility	Department of Environmental Protection	03/08/2024	03/20/2024	06/13/2024
MA	UIC	Underground Injection Control Listing	Department of Environmental Protection	05/06/2024	05/07/2024	05/21/2024
MA	UST	Summary Listing of all the Tanks Registered in the State of	Department of Fire Services, Office of the Pu	03/04/2024	04/26/2024	07/19/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/18/2024	03/19/2024	06/06/2024
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	04/14/2024	04/16/2024	07/12/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2024	04/19/2024	06/26/2024
US	CORRACTS	Corrective Action Report	EPA	06/03/2024	06/07/2024	06/20/2024
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	05/22/2024	06/03/2024	06/26/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	07/24/2023	04/18/2024	06/06/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/23/2024	06/28/2024	07/12/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/13/2024	03/19/2024	06/17/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/25/2024	03/26/2024	06/24/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/15/2024	03/19/2024	06/17/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	02/09/2024	02/27/2024	05/24/2024
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/30/2024	02/13/2024	04/04/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/12/2024	02/13/2024	04/04/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/14/2024	06/17/2024	06/24/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	05/22/2024	06/03/2024	06/24/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	05/22/2024	06/03/2024	06/26/2024
US	LUCIS	Land Use Control Information System	Department of the Navy	02/14/2024	02/16/2024	04/04/2024
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	04/01/2024	04/04/2024	07/12/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	NPL	National Priority List	EPA	05/22/2024	06/03/2024	06/26/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	07/01/2024	07/01/2024	07/12/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	05/22/2024	06/03/2024	06/26/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/03/2024	06/07/2024	06/20/2024
US	RMP	Risk Management Plans	Environmental Protection Agency	04/01/2024	04/17/2024	07/12/2024
US	ROD	Records Of Decision	EPA	05/22/2024	06/03/2024	06/26/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	04/22/2024	05/01/2024	05/24/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/22/2024	05/01/2024	05/24/2024
US	SSTS	Section 7 Tracking Systems	EPA	07/11/2024	07/11/2024	07/12/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/11/2024	03/12/2024	05/10/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/18/2024	03/19/2024	06/20/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2024	02/21/2024	04/04/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/05/2024	05/07/2024	08/01/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	10/28/2019	10/29/2019	01/09/2020
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
MA	State Wetlands	Wetland Inventory	MassDEP			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MARTHAS VINEYARD REGIONAL HS
100 EDGARTOWN VINEYARD HAVEN ROAD
VINEYARD HAVEN, MA 02568

TARGET PROPERTY COORDINATES

Latitude (North):	41.417712 - 41° 25' 3.76''
Longitude (West):	70.595839 - 70° 35' 45.02''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	366632.6
UTM Y (Meters):	4586145.0
Elevation:	79 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	17175367 EDGARTOWN, MA
Version Date:	2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

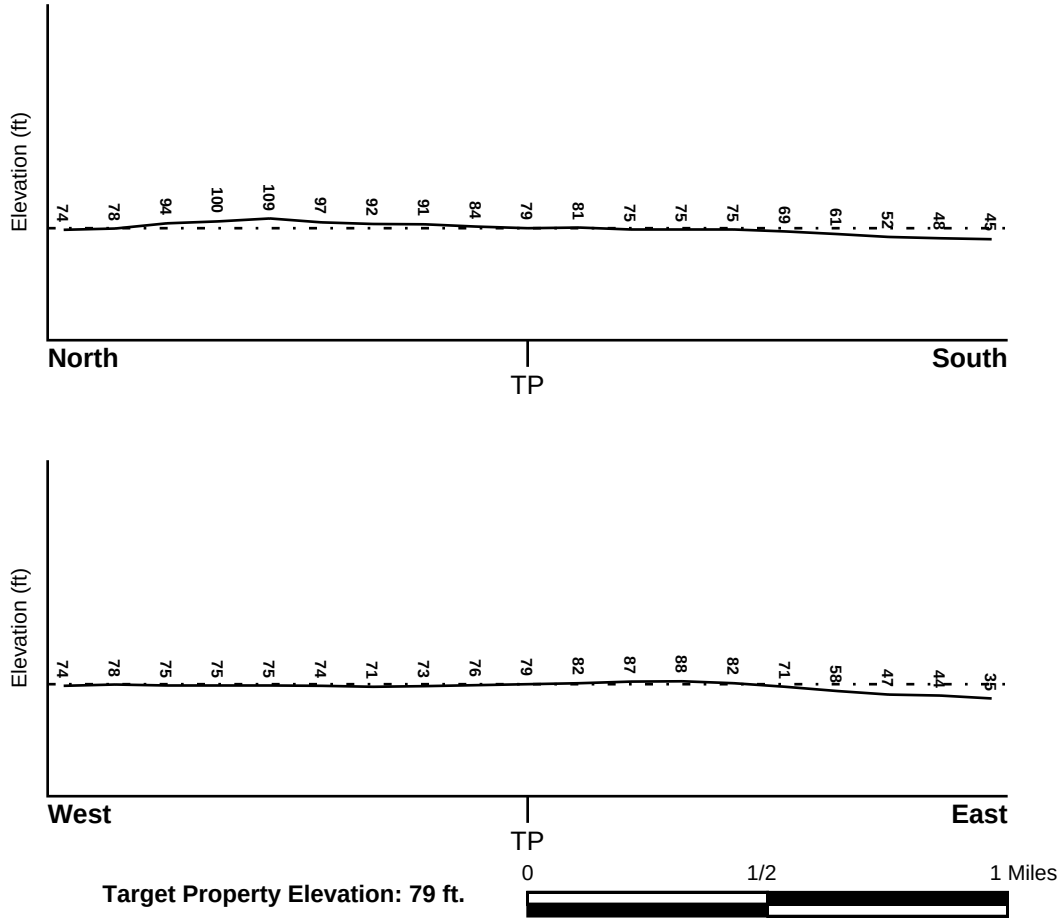
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 79 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
25007C0111H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
25007C0112H	FEMA FIRM Flood data
25007C0113H	FEMA FIRM Flood data
25007C0114H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VINEYARD HAVEN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

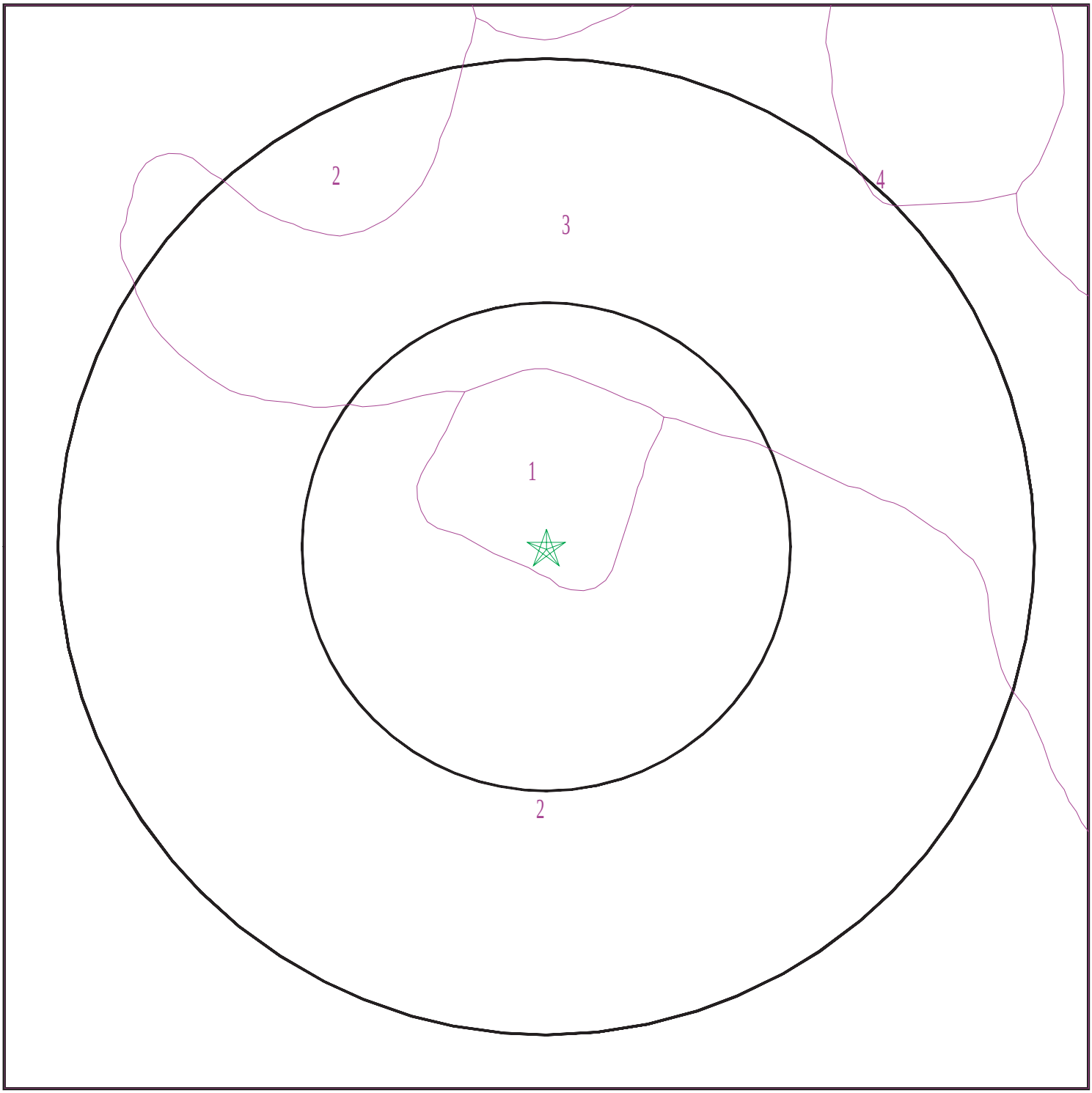
Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7727842.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:28 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Riverhead

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
2	3 inches	16 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
3	16 inches	24 inches	loamy sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
4	24 inches	59 inches	stratified sand and gravel	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5

Soil Map ID: 3

Soil Component Name: Riverhead

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
2	3 inches	16 inches	sandy loam	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
3	16 inches	24 inches	loamy sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5
4	24 inches	59 inches	stratified sand and gravel	Not reported	Not reported	Max: 705 Min: 141.14	Max: 7.3 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Carver

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6
2	3 inches	29 inches	loamy coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6
3	29 inches	59 inches	coarse sand	Not reported	Not reported	Max: 705 Min: 141.14	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000453583	1/4 - 1/2 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS40000453581	1/2 - 1 Mile SW
5	USGS40000453592	1/2 - 1 Mile NNW
6	USGS40000453582	1/2 - 1 Mile SW
A7	USGS40000453591	1/2 - 1 Mile NNW
9	USGS40000453585	1/2 - 1 Mile ESE
10	USGS40000453589	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

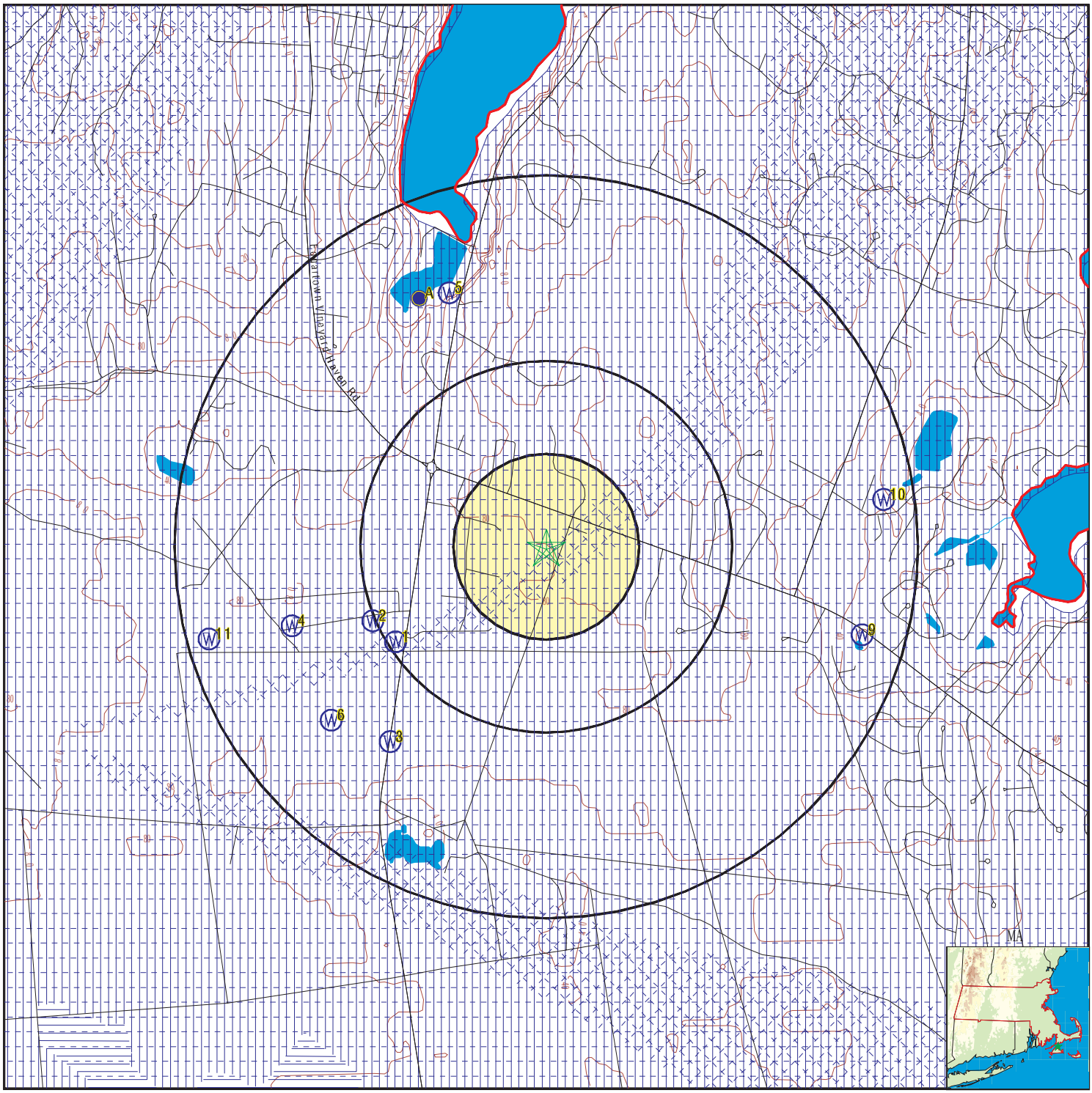
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MA1100000000686	1/2 - 1 Mile WSW
4	MA1100000001221	1/2 - 1 Mile WSW
A8	MA1100000002582	1/2 - 1 Mile NNW
11	MA1100000003009	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7727842.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME:	Marthas Vineyard Regional HS	CLIENT:	Weston and Sampson Engineers
ADDRESS:	100 Edgartown Vineyard Haven Road Vineyard Haven MA 02568	CONTACT:	Meghan Shanahan
LAT/LONG:	41.417712 / 70.595839	INQUIRY #:	7727842.2s
		DATE:	August 06, 2024 2:28 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **WSW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453583**
2 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**MA WELLS**	**MA1100000000686**
3 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453581**
4 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**MA WELLS**	**MA1100000001221**
5 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453592**
6 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453582**
A7 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453591**
A8 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**MA WELLS**	**MA1100000002582**
9 **ESE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000453585**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
10 **East** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**FED USGS**	**USGS40000453589**
11 **WSW** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**MA WELLS**	**MA1100000003009**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
DUKES	15	1.6

Federal EPA Radon Zone for DUKES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 02568

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.100 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: MassDEP
Telephone: 617-292-5907

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers
Source: Executive Office of Environmental Affairs
Telephone:

Public Water Supply Database

Telephone:
The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

Areas of Critical Environmental Concern

Telephone:
The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers

Telephone:
The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by an EPA hydrogeologist.

Aquifers

Telephone:
MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

Non-Potential Drinking Water Source Areas

Telephone:
Non-Potential Drinking Water Source Areas (NPDWSA) are regulatory in nature representing one of many considerations used in determining the standards to which ground water must be cleaned in the event of a release of oil or hazardous material. NPDWSAs are not based on existing water quality and do not indicate poor ambient conditions.

DEP Approved Zone IIs

Telephone:
The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is 'that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary).' These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.\n - Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line. \n- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.\n - Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

OTHER STATE DATABASE INFORMATION

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

Appendix J:

Local Records

Key: 4458 **Town of OAK BLUFFS - Fiscal Year 2024** 12/5/2023 2:03 pm SEQ #: 4.654

LEGAL

CURRENT OWNER	PARCEL ID	LOCATION
MARTHAS VINEYARD REGIONAL HIGH SCHOOL **C/O FINANCE DEPARTMENT** **PO BOX 1385** **OAK BLUFFS, MA 02557**	**55-2-0**	**100 EDGARTOWN/VH RD**

TRANSFER HISTORY	DOS	T	SALE PRICE	BK-PG (Cert)
MARTHAS VINEYARD REGIONAL		99		N/A-N/A

CLASS	CLASS%	DESCRIPTION	BN ID	BN	CARD
9340	**100**	**IMP.EDUCATION**		**1**	**1 of 1**

PMT NO	PMT DT	TY	DESC	AMOUNT	INSP	BY	1st	%
		68	Vision Field		04/17/2011	DT	0	0
MS10-0030	09/17/2010	3	Renovations				0	0
EP09-0157	11/23/2009	99	N/A				0	0
		68	Vision Field		05/04/2007	DT	0	0
BP06-177	07/27/2006	10	Reroof	18,000			0	100

LAND

CD	T	AC/SF/UN	Ngh	Infl1	Infl2	ADJ BASE	SAF	Infl3	Lpi	VC	CREDIT AMT	ADJ VALUE
100	S	800,000	045 1.00	100 1.00	1 1.00	327,150	1.00	NA 1.00	NA 0.90			6,008,260
300	A	5.332	045 1.00	100 1.00	1 1.00	35,370	1.00	NA 1.00	NA 0.90			188,590

TOTAL	23.697 Acres	ZONING	R3	FRNT	1,586

Ngh	0045
Infl1	100% GOOD
Infl2	1

NOTE: Land: SITE 5:1 SITE XCESS

ASSESSED	CURRENT	PREVIOUS
LAND	6,196,900	6,021,300
BUILDING	58,693,100	56,144,100
DETACHED	61,000	58,000
OTHER	0	0
TOTAL	**64,951,000**	**62,223,400**

DETACHED

TY	QUAL	COND	DIM/NOTE	YB	UNITS	ADJ PRICE	RCNLD
APV	A 1.00	50 0.50		1988	52,500	1.60	42,000
LBN	A 1.00	10 0.90		1988	1,024	20.60	19,000

PHOTO

BLDG COMMENTS
Rm/Bd/Bth/HB/XF=0/0/2/0/0

BUILDING

BUILDING	CD	ADJ	DESC
MODEL	5		CIM
STYLE	96	4.37	SCHOOLS [100%]
QUALITY	G+	1.46	PLUS GOOD [100%]
FRAME	2	1.02	MASONRY [100%]

MEASURE		
LIST		
REVIEW		

YEAR BLT	1960	SIZE ADJ	1.000
NET AREA	160,000	DETAIL ADJ	4.919
$NLA(RCN)	$496	OVERALL	1.000

CAPACITY	UNITS	ADJ
STORIES	1	1.00
% HEATED	100	1.00
% AIR COND	0	1.00
% SPRINKLER	100	1.00

ELEMENT	CD	DESCRIPTION	ADJ
FOUNDATION	99	N/A	1.00
EXT. COVER	23	AVG+BRICK	1.05
ROOF SHAPE	1	GABLE	1.00
ROOF COVER	8	TAR & GRAVEL	1.00
FLOOR COVER	5	VINYL/SHEETING	0.98
INT. FINISH	2	DRYWALL	1.00
HEATING/COOL	2	HOT WATER	1.09
FUEL SOURCE	1	OIL	1.00

S	BAT	T	DESCRIPTION	UNITS	YB	ADJ PRICE	RCN
	BAS	L	BASE AREA	160,000	1960	494.32	79,091,057
	SPW	N	SPRNK-WET	160,000		1.40	224,000

TOTAL RCN	79,315,057

CONDITION ELEM	CD
EXTERIOR	
INTERIOR	
CDN/APP	

EFF.YR/AGE	1996 / 26

COND	26	26 %	
FUNC	0		
ECON	0		
DEPR	26	% GD	74

RCNLD	$58,693,100

Key: 4460

Town of OAK BLUFFS - Fiscal Year 2024

12/5/2023 2:03 pm SEQ #: 4.656

LEGAL

CURRENT OWNER	PARCEL ID	LOCATION
MARTHAS VINEYARD REGIONAL HIGH SCHOOL **PO BOX 1385** **OAK BLUFFS, MA 02557**	**55-4-0**	**100 EDGARTOWN/VH RD**

TRANSFER HISTORY	DOS	T	SALE PRICE	BK-PG (Cert)
MARTHAS VINEYARD REGIONAL		99		N/A-N/A

CLASS	CLASS%	DESCRIPTION	BN ID	BN	CARD
9340	**100**	**IMP.EDUCATION**		**1**	**1 of 1**

PMT NO	PMT DT	TY	DESC	AMOUNT	INSP	BY	1st	%
BP647	07/18/2016	4	Outbuildings				0	0
MS295	06/08/2015	4	Outbuildings				0	0
BP11-116	02/24/2011	1	New Construc				0	0
BP10-0055	10/01/2010	1	New Construc	25,000			0	0
BP06-176	07/28/2006	2	Additions	5,000			0	0

LAND

CD	T	AC/SF/UN	Ngh		Infl1		Infl2		ADJ BASE	SAF	Infl3		Lpi		VC	CREDIT AMT	ADJ VALUE
100	S	871,200	045	1.00	100	1.00	1	1.00	327,150	1.00	NA	1.00	NA	0.90			6,543,000
300	A	16.480	045	1.00	100	1.00	0	1.00	35,370	1.00	NA	1.00	NA	0.90			582,900

TOTAL	36.480 Acres	ZONING	R3	FRNT	230

Ngh	0045
Infl1	100% GOOD
Infl2	1

NOTE: Land: USE LOC POTENTIAL

ASSESSED	CURRENT	PREVIOUS
LAND	7,125,900	6,924,200
BUILDING	0	0
DETACHED	112,900	110,400
OTHER	0	0
TOTAL	**7,238,800**	**7,034,600**

DETACHED

TY	QUAL		COND		DIM/NOTE	YB	UNITS	ADJ PRICE	RCNLD
GHD	A	1.00	50	0.50		1988	1,200	22.80	13,700
TEN	A	1.00	30	0.70		1988	7,200	3.50	17,600
TEN	A	1.00	30	0.70		1988	7,200	3.50	17,600
TEN	A	1.00	30	0.70		1988	7,200	3.50	17,600
C10	A	1.00	50	0.50		1988	600	16.40	4,900
C06	A	1.00	50	0.50		1988	3,000	11.30	17,000
SHF	A	1.00	50	0.50		1978	240	13.70	1,600
SHF	A	1.00	50	0.50		1978	120	13.70	800
DGF	A	1.00	50	0.50		1988	600	40.10	12,000
SHF	A	1.00	50	0.50		1980	280	13.70	1,900
SHM	A	1.00	50	0.50		1980	1,600	10.30	8,200

PHOTO

BLDG COMMENTS

BUILDING

BUILDING	CD	ADJ	DESC
MODEL	1		RESIDENTIAL
STYLE	0	1.00	[100%]
QUALITY		1.00	[100%]
FRAME		1.00	[100%]

MEASURE		
LIST		
REVIEW		

YEAR BLT	0	SIZE ADJ	1.000
NET AREA	0	DETAIL ADJ	1.000
$NLA(RCN)	$0	OVERALL	1.000

CAPACITY	UNITS	ADJ
STORIES	0	1.00
ROOMS	0	1.00
BEDROOMS	0	1.00
FULL BATHS	0	1.00
1/2 BATHS	0	1.00
FIXTURES	0	1.00
UNITS	0	1.00

ELEMENT	CD	DESCRIPTION	ADJ
FOUNDATION	0		1.00
EXT. COVER	0		1.00
ROOF SHAPE	0		1.00
ROOF COVER	0		1.00
FLOOR COVER	0		1.00
INT. FINISH	0		1.00
HEATING/COOL	0		1.00
FUEL SOURCE	0		1.00

S	BAT	T	DESCRIPTION	UNITS	YB	ADJ PRICE	RCN

TOTAL RCN	0

CONDITION ELEM	CD
EXTERIOR	
INTERIOR	
KITCHEN	
BATHS	
HEAT	
ELECT	

EFF.YR/AGE	2013 / 9
COND	9 9 %
FUNC	0
ECON	0
DEPR	9 % GD 91
RCNLD	$0

Appendix L:

Qualifications of Environmental Professional

RYAN NILES, PG, LSP

BACKGROUND

2022-Present
Senior Project Manager
Weston & Sampson

2020-2022
Office Practice Leader
TRC Companies

2017-2020
Senior Project Manager
& Team Leader
TRC Companies

2007-2017
Project Geologist
and Project Manager
TRC Companies

2004-2007
Geologist
TRC Companies

2001-2004
Account Manager
Marble and Granite, Inc.

EDUCATION

2008
Master of Science
Environmental Studies
University of Massachusetts Lowell

2001
Bachelor of Arts
Geological Sciences
State University of New York
College at Geneseo

PROFESSIONAL REGISTRATION

Licensed Site Professional:
Massachusetts
No. 6434

Professional Geologist:
Pennsylvania
No. PG005016

Ryan, a senior project manager in our Environmental, Geotechnical, & Energy engineering group, has more than 20 years of experience with a wide range of environmental investigation and construction support projects.

SPECIFIC PROJECT EXPERIENCE

Logan Airport Gate B5 Jet Fuel Release, Turner Construction and Massachusetts Port Authority, East Boston, Massachusetts. As project manager, lead initial response and Massachusetts Contingency Plan compliance for a release of 5,000 gallons of jet fuel to an open excavation at Boston Logan International Airport. Initial response actions included the excavation of 550 cubic yards of petroleum-contaminated soil and removal of over 22,000 gallons of oily water. Prepared multiple Massachusetts Contingency Plan deliverables, including IRA Plan, IRA Status Reports, Phase I Initial Site Investigation, and an Interim Phase II Comprehensive Site Assessment. (with former employer).

Hanscom Field Foam Release, Massachusetts Port Authority, Bedford, Massachusetts. As senior project manager, directed and supervised immediate responses to a release of Aqueous Film Forming Foam (AFFF) at Hanscom during routine firefighting training. Assessment activities have included collection and analysis of the foam concentrate to establish a contaminant fingerprint of the foam that was released, collection of samples from a downgradient stream, collection of soil samples from the impacted area, and review of the history of AFFF use and storage on site. Prepared a Phase I Initial Site Investigation Report and Tier Classification. Remediation activities completed included retrieval and replacement of hydrophobic booms from the downgradient stream, vacuum collection of foam from the stream and an impacted storm drain, and pressure washing the paved surface within the footprint of the release to remove residual foam from the concrete. (with former employer)

Weymouth Compressor Station, Enbridge, Weymouth, Massachusetts. As project geologist, served as the task lead for Massachusetts Contingency Plan compliance activities on this former fuel oil and coal storage facility and planned location of a natural gas compressor station. Directed multiple rounds of subsurface investigation activities, including test pits, soil borings, soil sample collection monitoring well installations, well gauging, groundwater sampling, and non-aqueous phase liquid (NAPL) recovery. Investigation activities involved specialized methods to evaluate the mobility of NAPL in the subsurface. Directed preparation of or prepared IRA reports, a Public Involvement Plan, a Phase I ISI, an Activity and Use Limitation, and a Permanent Solution with Conditions Statement. Also conducted public meetings related to MCP response actions. (with former employer)

Teds for Tires Brownfields Cleanup, Merrimack Valley Planning Commission and City of Haverhill, Haverhill, Massachusetts. As Project Manager, took part in all aspects of assessment and cleanup of this former gasoline filling station in downtown Haverhill. Directed initial site investigations – including Phase I and Phase II Environmental Site Assessments, ground penetrating radar survey,

removal of multiple underground storage tanks (USTs), and prepared the MCP Phase I Initial Site Investigation (ISI) and Phase II Comprehensive Site Assessment (CSA) under MVPC's and later the City of Haverhill's Brownfields Assessment grant projects. Supported the City's preparation of a Brownfields Cleanup Grant application for the site. Prepared Quality Assurance Project Plans, Analysis of Brownfields Cleanup Alternatives, and Community Relations Plan (with former employer)

Former St. Johnsbury Trucking Terminal, New England Motor Freight/AMZ Management, West Springfield, Massachusetts. Directed environmental investigations on this petroleum-contaminated site as project manager. Project work included the preparation of a Phase II Comprehensive Site Assessment, Phase III Remedial Action Plan, Phase IV Remedy Implementation Plan, an Activity and Use Limitation, and a Permanent Solution Statement. (with former employer)

Former Shoe Factory, Merrimack Valley Planning Commission and Town of Salisbury, Salisbury, Massachusetts. As Project Manager, took part in all aspects of assessment and cleanup of this former shoe factory in Salisbury. Directed initial site investigations – including Phase I and Phase II Environmental Site Assessments, under MVPC's Brownfields Assessment grant program. Additional site investigation support was completed under Mass DEP's Site Assessment and Remediation Support Services (SARSS) program, Supported the town's preparation of a Brownfields Cleanup Grant application for the site. Directed Site remediation under a Release Abatement Measures, including the removal of over 450 cubic yards of contaminated soil, 2,200 tons of solid waste, and two drums of hazardous waste found during site work. Supported the town's request for additional project funding through MVPC's Revolving Loan Fund program. Prepared Quality Assurance Project Plans, Analysis of Brownfields Cleanup Alternatives, and Community Relations Plan for the project. (with former employer)

Brownfields Assessment Program, Merrimack Valley Planning Commission, Haverhill, Massachusetts. As project manager was responsible for all assessment activities under two multi-year contracts with MVPC. Supported the identification and selection of assessment sites, conducted Phase I and Phase II Environmental Site Assessments, prepared Massachusetts Contingency Plan deliverables, and oversaw undergrounds storage tank (UST) removals. Prepared Quality Assurance Project Plans and Addenda for the assessment projects. Supported preparation of Brownfields Assessment Grant applications. (with former employer)

Brownfields Assessment Program, City of Haverhill, Haverhill, Massachusetts. As project manager was responsible for all assessment activities under this program with the City. Supported the identification and selection of assessment sites, conducted Phase I and Phase II Environmental Site Assessments, prepared Massachusetts Contingency Plan deliverables, and oversaw undergrounds storage tank (UST) removals. Prepared Quality Assurance Project Plans and Addenda for the assessment projects. Supported preparation of Brownfields Assessment Grant applications.

APPENDIX F

GEOTECHNICAL REPORT

55 Walkers Brook Drive, Reading, MA 01867 (HQ)
Tel: 978.532.1900

Tappé Architects, Inc.
Weston & Sampson Project No. ENG24-0685

August 6, 2024

Mr. Christopher Blessen, AIA
Principal
Tappé Architects, Inc.
Six Edgerly Place
Boston, MA 02116

RE: Geotechnical Engineering Feasibility Study
Proposed Martha's Vineyard Regional High School Renovations
Oak Bluffs, Massachusetts

INTRODUCTION

Weston & Sampson Engineers, Inc. (Weston & Sampson) is pleased to present this letter report summarizing our geotechnical engineering feasibility study for the proposed improvements to the Martha's Vineyard Regional High School (MVRHS) in Oak Bluffs, Massachusetts. Based on preliminary information provided by Tappé Architects, Inc. (Tappé), we understand that the proposed project may include renovations and building expansion, or demolition and replacement of the existing high school. The purpose of our feasibility study was to complete preliminary subsurface investigations and geotechnical analyses and provide a discussion of geotechnical engineering considerations for the proposed site development.

Our services included an Environmental Limited Subsurface Investigation (LSI) as required by the Massachusetts School Building Authority (MSBA) grant program. Select soil samples obtained from the geotechnical borings were screened in the field for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). Samples were also submitted to an environmental testing laboratory for preliminary soil disposal characterization analyses. Our LSI report with details on environmental sampling and testing, laboratory test results, and related environmental considerations for the proposed project are provided under a separate cover.

The geotechnical considerations and recommendations presented in this report are preliminary and are based on our understanding of the proposed project as described herein, subsurface conditions encountered at discrete exploration locations, and the provisions of the Limitations section of this report. Additional investigations, laboratory testing, analyses, and recommendations will be necessary for final design and construction once specific project details such as building locations, floor elevations, and grading are developed.

Additional information on the use of this report is provided in the document titled "Important Information about this Geotechnical Engineering Report" by Geoprofessional Business Association (GBA), Inc., included as ***Attachment D***.

EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS

Martha's Vineyard Regional High School is located at 100 Edgartown Vineyard Haven Road in Oak Bluffs, Massachusetts (the "Site"), as shown in ***Figure 1 – Site Locus***. The Site is bordered by residential properties to the west, wooded areas to the east and south, and by Edgartown Vineyard Haven Road to the north. Sanderson Avenue roughly bisects the Site, running from north to south.

The Site is currently developed with the existing school building west of Sanderson Ave, asphalt paved driveways and parking areas, landscaped areas, athletic fields, a running track, and tennis courts as shown in ***Figure 2 – Site Plan.*** An existing grading plan was not provided to us in preparation of this report, but surface grades at this site appear relatively level.

The project is currently in the conceptual design phase. Based on preliminary alternative sketches provided by Tappé on May 29, 2024, included as ***Attachment A***, we understand the project is expected to include renovations and additions to the existing school, or construction of a new school building east of Sanderson Avenue. We anticipate that the proposed new school building/additions will be one- to two-story, steel-framed structures. Associated site improvements are anticipated to include new access roadways and parking areas, tennis courts, athletic fields, stormwater management features, and underground utilities.

Preliminary structural information was not available at the time of this report. Based on our experience with similar structures we assume building loads will be up to about 200 kips for columns and 3 kips per lineal foot (klf) for walls, and that slab loads will be less than 250 pounds per square foot (psf). It is anticipated that cuts and fills of up to about 3 feet relative to existing site grades will be required to achieve final grades. We assume new underground utilities will be up to about 10 feet below existing grades, and that no below-grade levels (e.g., basements or crawl spaces) are planned for the new building areas.

SUBSURFACE CONDITIONS

Geologic Setting

Surficial geology information available from the Massachusetts Bureau of Geographic Information (Mass GIS) indicates the Site is located in an area of stratified sand and gravel deposits.

Based on the Bedrock Geologic Map of Massachusetts (Zen et al., 1983), Bedrock geology is mapped as unconsolidated Cretaceous sediments. Shallow bedrock and outcrops are not mapped in the immediate site vicinity.

Subsurface Explorations

Subsurface conditions at the Site were explored on June 26 and 27, 2024 by advancing eight borings (B-1 through B-8) at the approximate locations shown on ***Figure 2***.

Northern Drill Service, Inc., of Northborough, Massachusetts completed each boring to a depth of approximately 27 feet using an all-terrain (ATV)-mounted drill rig and hollow-stem auger drilling methods. Standard penetration tests (SPTs) were conducted in each boring by driving a split spoon sampler with an automatic hammer in general accordance with ASTM D1586. Sampling intervals were generally every 2 feet through the upper 6 feet, and every 5 feet thereafter. A groundwater monitoring well was installed in boring B-7 following completion of drilling. The remaining borings were backfilled with soil cuttings. A Weston & Sampson geotechnical engineering representative observed drilling activities and prepared logs of each boring. Boring logs are included as ***Attachment B***.

Subsurface Conditions

The subsurface conditions encountered in our explorations are generally consistent with site history and the mapped geology. The subsurface conditions are described in the following sections. Subsurface conditions described below have been interpreted based on a limited number of explorations that were observed by Weston & Sampson. Variations may occur and should be expected between locations. The strata boundaries shown in our boring logs are based on our interpretations and the actual transitions may be gradual. Refer to the boring logs for detailed descriptions of the soil samples collected.

The general Unified Soil Classification System (USCS) designation for each stratum is included in the descriptions below in parentheses.

Surface Materials – Borings B-1 through B-6 were advanced in grass-covered landscape areas and encountered approximately 2 to 5 inches of topsoil. Boring B-7 was located in a bare ground area with no vegetation. Boring B-8 was advanced in a parking area where the surface conditions consisted of approximately 4 inches of AC pavement.

Subsoil – Subsoil was encountered below the surface materials in borings B-2, B-5 and B-6, and extended to depths ranging from approximately 2 to 3 feet. The subsoil generally consisted of loose to very dense, light brown to brown SAND with little non-plastic fines and up to little gravel (SM).

Fill – Fill was encountered below the surface materials in borings B-1, B-3, B-7 and B-8. The fill generally consisted of loose to very dense, light brown to dark brown SAND with trace to little non-plastic fines and trace to little gravel (SP, SP-SM, or SM). A 4-inch-thick buried asphalt layer was encountered within the fill in boring B-3 and trace debris (e.g., brick fragments) was encountered in B-1. The fill extended to depths ranging from approximately 2 to 8 feet.

Sand – Native soils encountered below the fill or subsoil generally consisted of medium dense to very dense SAND with trace to some gravel and trace non-plastic fines (SP). Each boring was terminated within the SAND at a depth of approximately 27 feet. Auger grinding was observed during drilling within boring B-7, possibly indicative of cobbles or gravel layers within the sand.

Groundwater – Groundwater was not encountered in the borings. The groundwater monitoring well installed in boring B-7 was observed to be dry at the time of our field explorations.

Groundwater levels should be expected to fluctuate with season, variations in precipitation, construction in the area, and other factors. Perched groundwater conditions could exist close to the ground surface, especially during and after extended periods of wet weather.

Laboratory Testing

Select soil samples obtained during the explorations were submitted for geotechnical laboratory testing to determine particle size distributions (ASTM D6913/D7928) and to confirm field classifications. Laboratory testing was performed by Thielsch Engineering of Cranston, Rhode Island. The laboratory test results are incorporated into our exploration logs and included as *Attachment C*.

PRELIMINARY GEOTECHNICAL CONSIDERATIONS

General

Based on the subsurface conditions encountered in our explorations, the proposed building additions or new high school building can be supported using conventional shallow spread footings bearing in the native, undisturbed, inorganic native medium dense (or denser) sand soils described herein. Existing topsoil and undocumented fill at the Site should be completely removed from below proposed building foundations and floor slabs to expose suitable native soils and replaced with properly compacted Structural Fill. Deeper fill depths should be anticipated in areas near the existing building and where subsurface utilities and underground features are present. The existing fill may provide adequate support of flexible site improvements such as asphalt pavements provided subgrades are properly prepared and evaluated during construction.

Preliminary geotechnical design and construction recommendations are provided in the following sections. Additional geotechnical explorations, analyses, and recommendations will be required for final design, and will be provided in a design-level geotechnical engineering report.

Shallow Foundations and Floor Slabs

A maximum allowable bearing pressure of 4,000 psf can be used for preliminary design of spread footings bearing on undisturbed, inorganic, medium dense or denser SAND or on properly compacted Structural Fill placed directly above such soils.

Footings should be embedded at least 4 feet below the nearest proposed adjacent ground surface exposed to freezing. For building additions, bearing elevations for new footings should match the existing foundation bearing elevations of the adjacent school building.

Ground level floors can be supported on conventional slabs on-grade once topsoil, existing fill and other unsuitable materials are removed and replaced with Structural Fill. Recommendations for design and construction of foundations and slabs will be provided in our design-level geotechnical report.

Seismic Considerations

Based on the subsurface conditions evaluated to date, seismic site class was determined in accordance with the International Building Code (IBC) as adapted by the Massachusetts State Building Code using a weighted average of SPT blow counts in the upper 100 feet of soil at a site. Based on the soil types and consistencies encountered in our explorations, we currently recommend that structural design of the proposed buildings be evaluated using parameters associated with Site Class D. As part of final design, borings that extend deeper will be performed to confirm this site class.

Excavation Considerations

Excavations will be required for site preparation, grading, foundation construction, utility construction, etc. Temporary excavation support will be required where excavations cannot feasibly be open cut, such as locations adjacent to property lines or structures and utilities, or if groundwater seepage is present.

Groundwater was not encountered within the depths explored in the borings, and we anticipate groundwater will be below the planned excavation depths during construction. However, localized dewatering of some excavations may be required during construction due to infiltrating surface water, or pockets of trapped or perched water.

Fill Materials and Soil Reuse

Well graded sand and gravel fill with less than approximately 10 percent fines (such as MassDOT M1.03.0-type B Gravel Borrow or M2.01.7 Dense-graded Crushed Stone) is recommended for use as Structural Fill in foundation, slab, and other structural areas. On-site materials meeting the gradation requirements for the aforementioned MassDOT materials may be acceptable for use as Structural Fill if approved by the geotechnical engineer. On-site granular soils that are free of organics, contamination (including metals, VOCs, SVOCs, etc.), and other deleterious materials may be suitable for use as fill in areas outside proposed structures (i.e., Common Fill) if properly moisture conditioned.

We anticipate the onsite fill and native sand with up to about 20 percent fines may be suitable for reuse as Common Fill in non-structural areas and below a depth of about 2 feet in proposed pavement areas. Some of the existing soils with trace to few silt may also be suitable for reuse as Structural Fill pending the results of additional laboratory testing.

LIMITATIONS

We have completed this geotechnical feasibility study for use by Tappé Architects, Inc. and their design and construction teams for this site and project only. The information herein may be used for preliminary cost estimating and/or alternative analyses but is not considered sufficient for design or bidding and should not be construed as a warranty of subsurface conditions.

Additional geotechnical explorations and analyses will be required for final design. We have made observations only at the aforementioned locations and only to the stated depths. These observations do not reflect soil types, strata thicknesses, water levels or seepage that may exist between or below preliminary observations. Our recommendations are not applicable to other areas of the site.

If any changes are made to the anticipated locations, loads, grading, configurations, or construction timing, the conclusions and recommendations contained herein may not be applicable, and we should be consulted. Within the limitations of scope, schedule and budget, our services have been executed in accordance with the generally accepted practices in this area at the time this report was prepared. No warranty, expressed or implied, is given. Additional information about interpretation and use of this report is included in *Attachment D.*

It has been a pleasure assisting you with this project and we look forward to our continued involvement. Please call if you have any questions.

Very truly yours,
WESTON & SAMPSON, INC.

Stefanie Bridges, PE
Geotechnical Project Manager

Stephen Spink, PE
Geotechnical Team Leader

Attachments:
Figures
Attachment A – Conceptual Site Layout Alternatives
Attachment B – Boring Logs
Attachment C – Geotechnical Laboratory Test Data
Attachment D – “Important Information about this Geotechnical Engineering Report” by GBA, Inc..

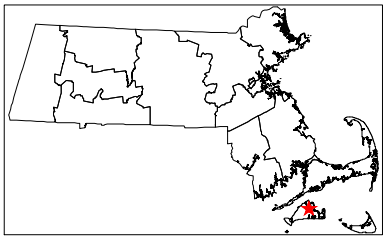
Figures

Weston & Sampson

SCALE IN FEET

0 1000 2000

FIGURE 1
LOCUS MAP
MVRHS FEASIBILITY EVALUATION
100 EDGARTOWN VINEYARD
HAVEN ROAD
OAK BLUFFS, MA
DUKES COUNTY



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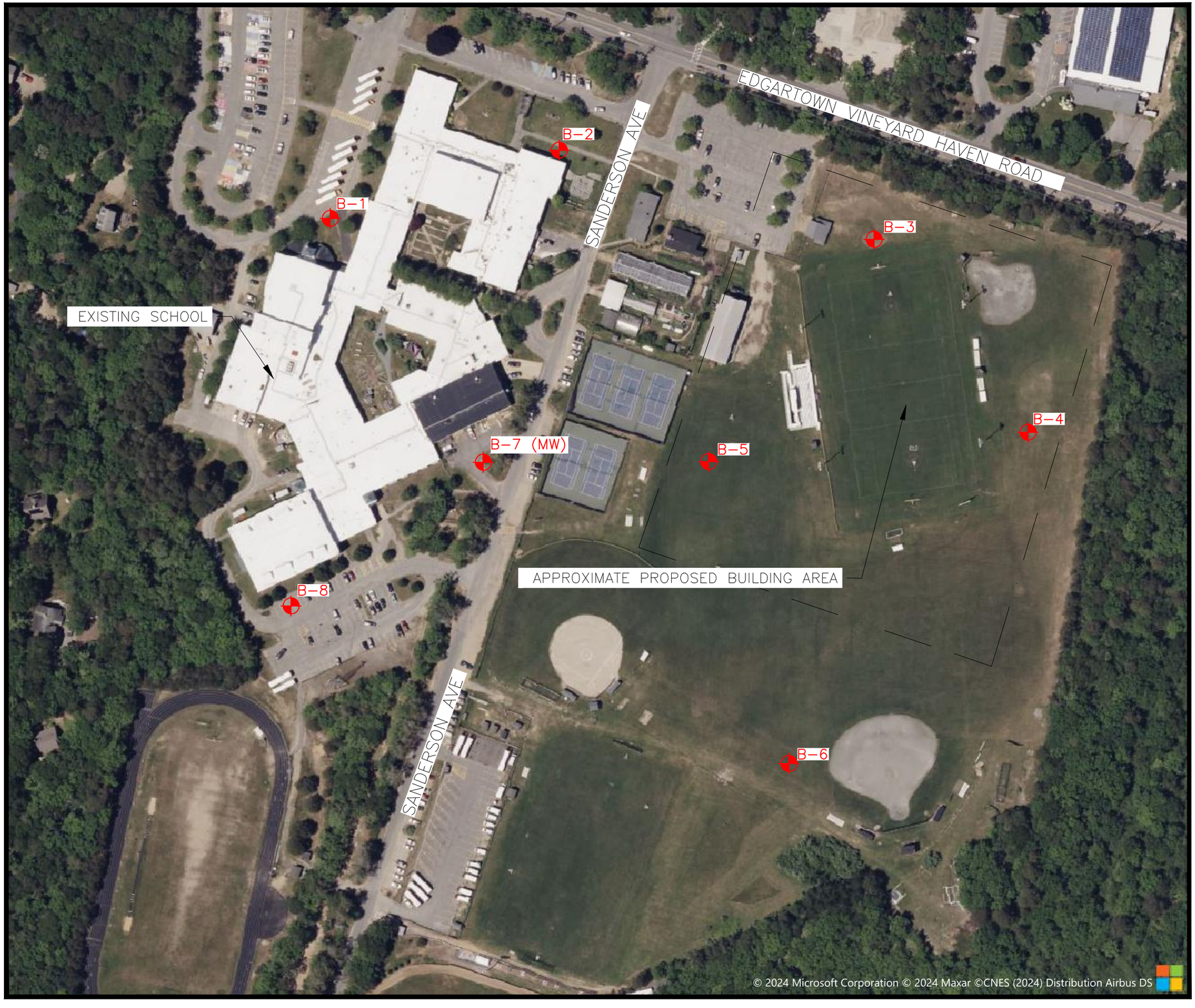

Weston & Sampson Engineers, Inc.
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NOTES

1. THIS PLAN IS BASED ON A CONCEPTUAL SITE PLAN PROVIDED BY WESTON & SAMPSON DATED MAY 2024.
2. BORINGS WERE COMPLETED BY NORTHERN DRILL SERVICE, INC. OF NORTHBOROUGH, MA ON JUNE 26 AND 27, 2024
3. BORINGS WERE OBSERVED BY A WESTON & SAMPSON ENGINEER.
4. BORING LOCATIONS SHOWN ARE APPROXIMATE.

LEGEND

B-X	DESIGNATION AND APPROXIMATE LOCATION OF BORING
(MW)	INDICATES A GROUNDWATER MONITORING WELL WAS INSTALLED IN THE BORING UPON COMPLETION

GRAPHIC SCALE

150 75 0 150 300

SCALE: 1"=150'

ORIENTATION

TITLE

SITE PLAN

PROJECT

MVRHS FEASIBILITY EVALUATION

100 EDGARTOWN VINEYARD HAVEN ROAD, OAK BLUFFS, MA 02557

DATE	07/2024
DRWN BY	KEL
CHKD BY	STS
PRJ. NO.	
REV. NO.	-

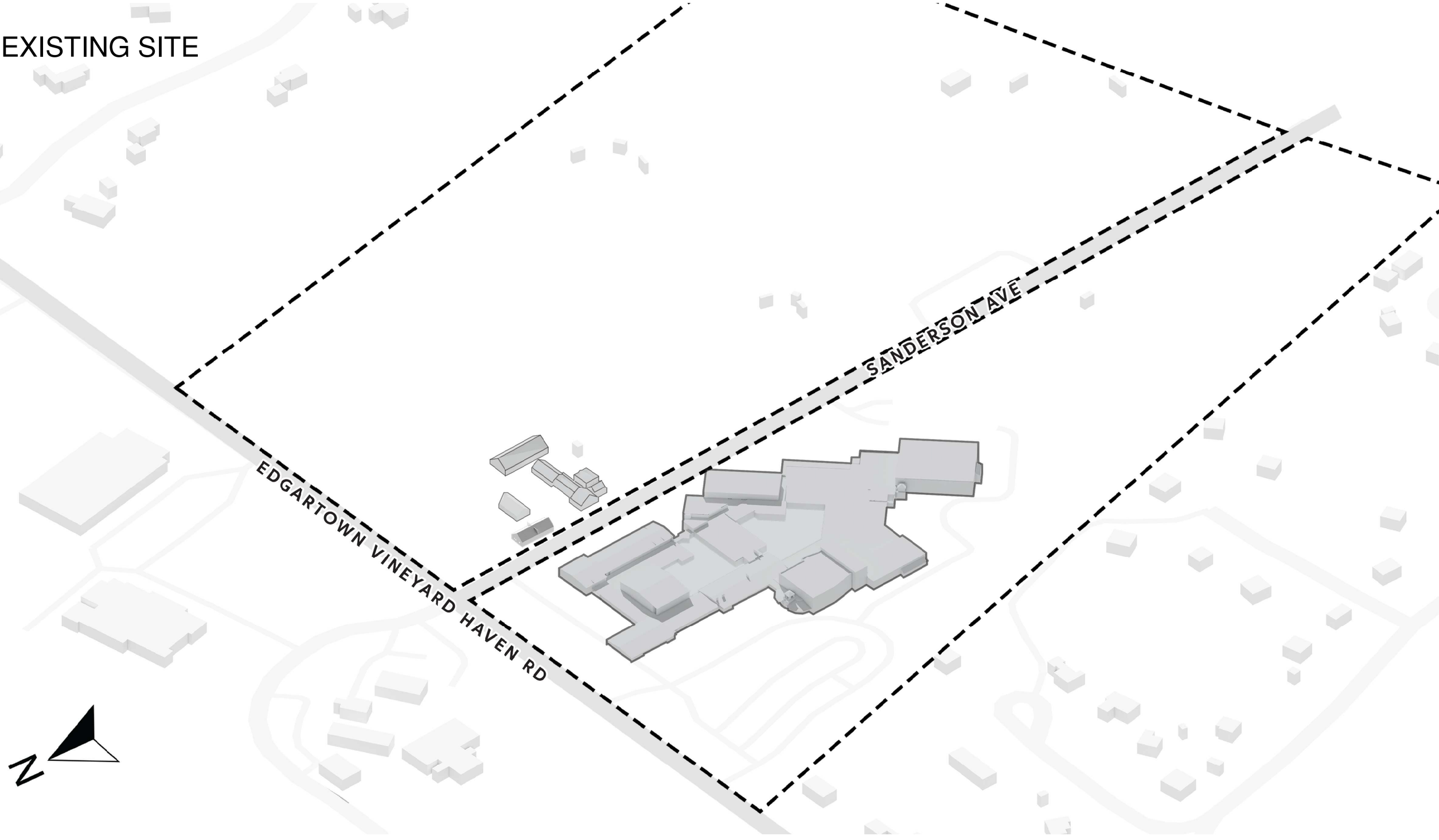
FIGURE

FIGURE 2

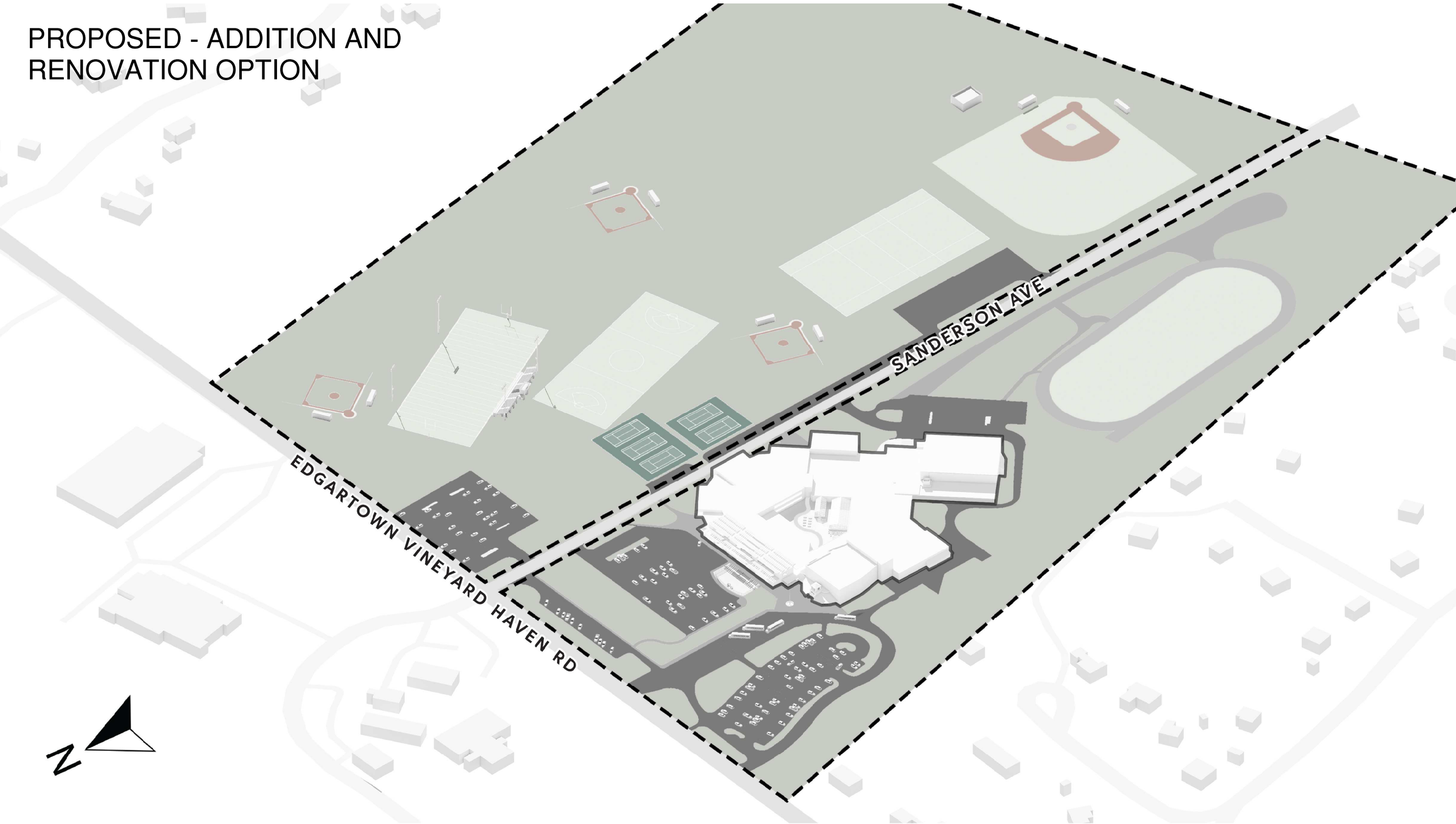
Attachment A

Conceptual Site Layout Alternatives

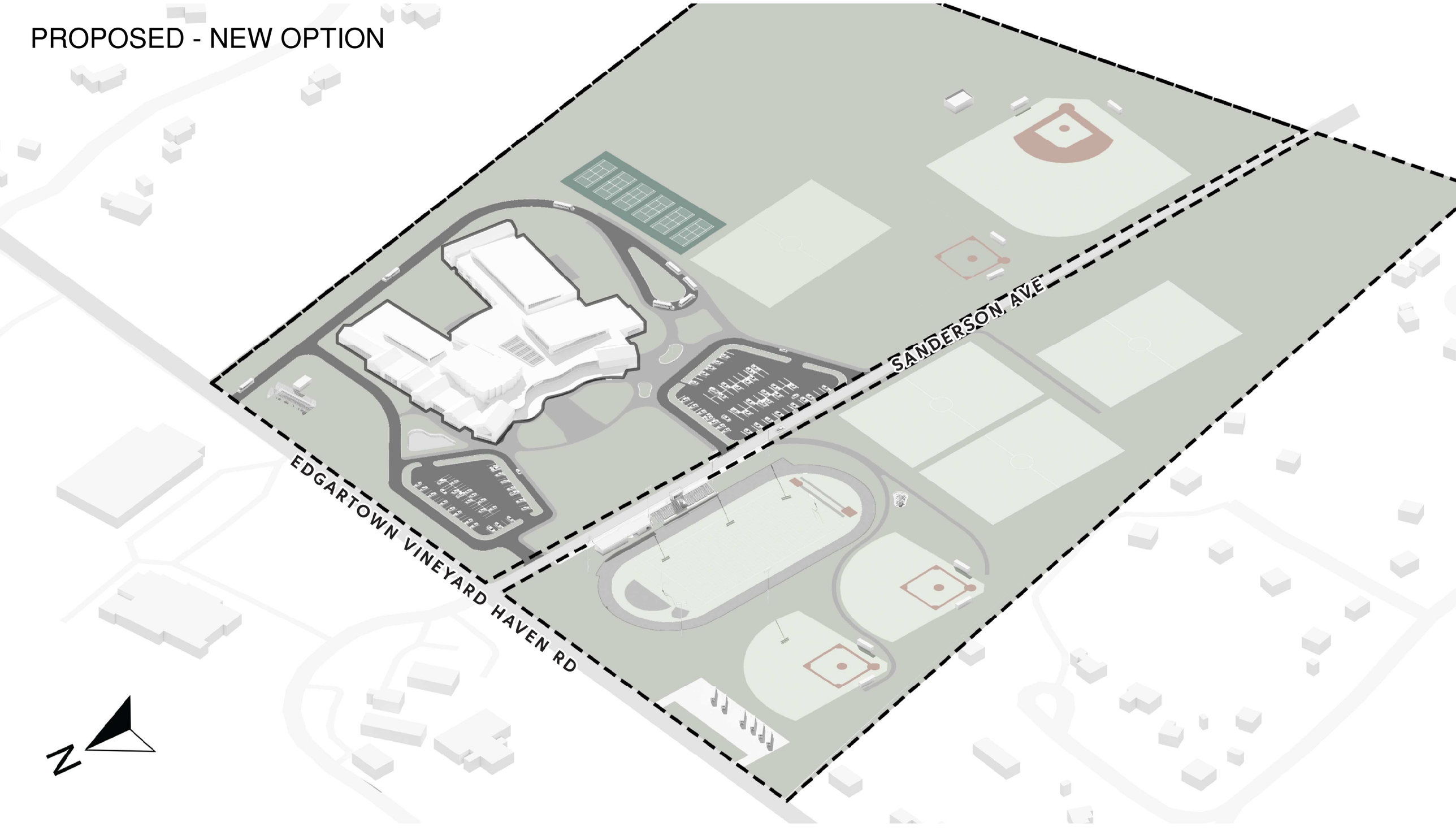
EXISTING SITE



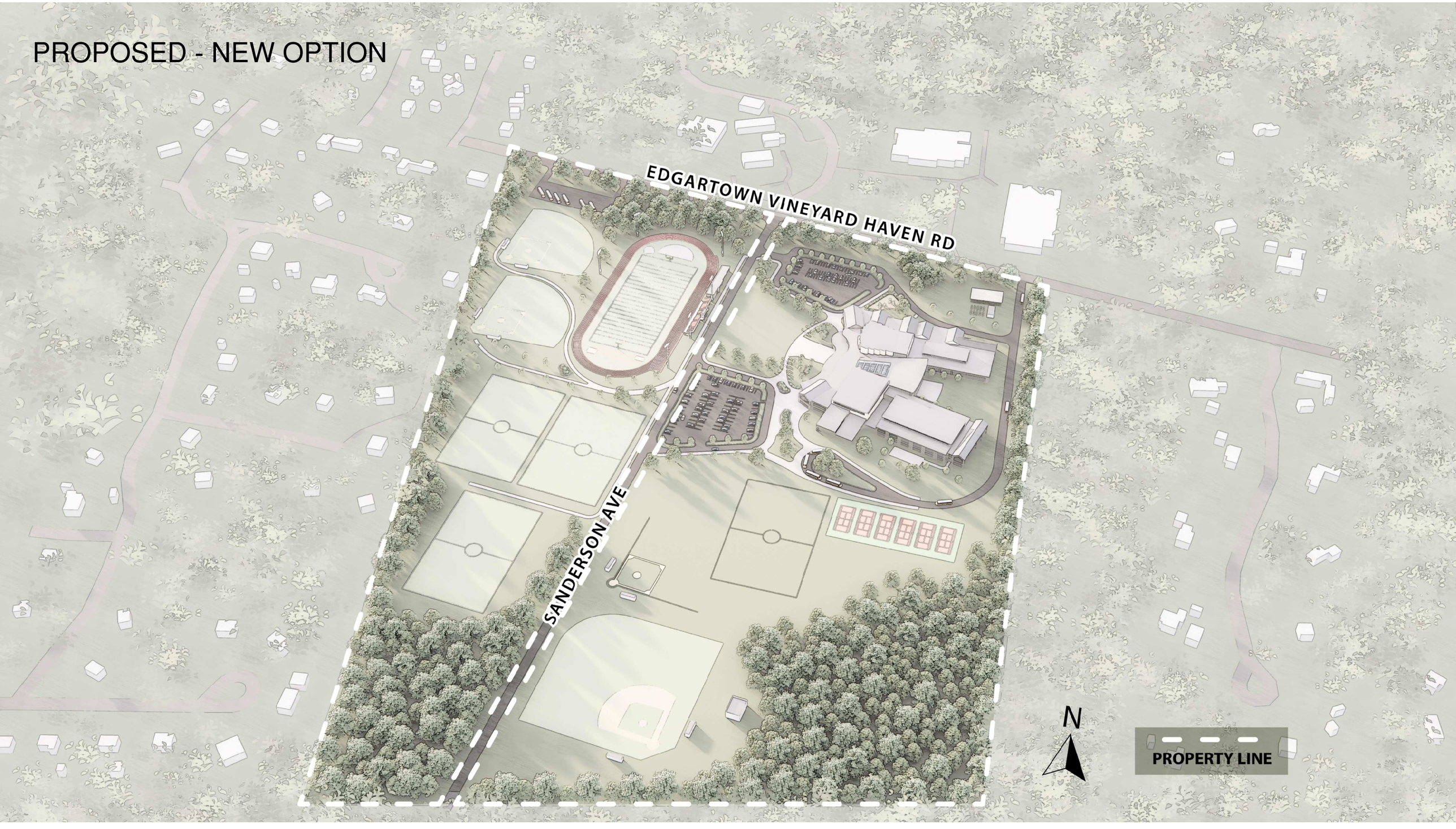
PROPOSED - ADDITION AND RENOVATION OPTION



PROPOSED - NEW OPTION



PROPOSED - NEW OPTION



Attachment B

Boring Logs

GUIDE TO SUBSURFACE EXPLORATION LOGS

Weston & Sampson℠

INDEX SHEET 1 GENERAL INFORMATION

GENERAL NOTES AND USE OF LOGS

1.) Explorations were made by ordinary and conventional methods and with care adequate for Weston & Sampson's study and/or design purposes. The exploration logs are part of a specific report prepared by Weston & Sampson for the referenced project and client, and are an integral part of that report. Information and interpretations are subject to the explanations and limitations stated in the report. Weston & Sampson is not responsible for any interpretations, assumptions, projections, or interpolations made by others.

2.) Exploration logs represent general conditions observed at the point of exploration on the date(s) stated. Boundary lines separating soil and rock layers (strata) represent approximate boundaries only and are shown as solid lines where observed and dashed lines where inferred based on drilling action. Actual transitions may be gradual and changes may occur over time.

3.) Soil and rock descriptions are based on visual-manual examination of recovered samples, direct observation in test pits (when permissible), and laboratory testing (when conducted).

4.) Water level observations were made at the times and under the conditions stated. Fluctuations should be be expected to vary with seasons and other factors. Use of fluids during drilling may affect water level observations. The absence of water level observations does not necessarily mean the exploration was dry or that subsurface water will not be encountered during construction.

5.) Standard split spoon samplers may not recover particles with any dimension larger than 1-3/8 inches. Reported gravel conditions or poor sample recovery may not reflect actual in-situ conditions.

6.) Sections of this guide provide a general overview of Weston & Sampson's practices and procedures for *identifying* and *describing* soil and rock. These procedures are predominantly based on ASTM D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)*, the International Society of Rock Mechanics (ISRM) standards, and the *Engineering Geology Field Manual* published by the Bureau of Reclamation. Not all aspects of this guide relating to description and identification procedures of soil and rock may be applicable in all circumstances.

SAMPLER GRAPHICS

- Split Spoon (Standard) 2" OD, 1-3/8" ID
- Split Spoon (Oversize) 3" OD, 2-3/8" ID
- Shelby or Piston Tube 3" OD, 2-7/8" ID
- Double-Tube Rock Core Barrel 2" Core Diameter
- Direct Push with Acetate Liner Various Liner Sizes
- A — Auger Sample *(from cuttings or hand auger)*
- G — Grab Sample *(manual, from discrete point)*
- C — Composite Sample *(multiple grab samples)*

WELL GRAPHICS

- Cement concrete seal around casing or riser pipe
- Bentonite seal around casing or riser pipe
- Cement grout seal around casing or riser pipe
- Soil backfill around riser pipe or beneath screen
- Gravel backfill around screen or riser pipe
- Sand backfill around screen or riser pipe (filter sand)
- Solid-wall riser; Sch. 40 PVC, 1" ID unless noted otherwise
- Slotted screen; Sch. 40 PVC, 1" ID with machined slots

CAVING / SEEPAGE TERMS

The following caving and/or seepage terms may appear on a test pit log.

Caving Term	Criteria
Minor	less than 1 cubic ft.
Moderate	1 to 3 cubic ft.
Severe	greater than 3 cubic ft.

Seepage Term	Criteria
Slow	less than 1 gpm
Moderate	1 to 3 gpm
Fast	greater than 3 gpm

KEY TO WATER LEVELS

- Observed in exploration during advancement.
- Measured in exploration at completion, prior to backfilling or well installation.
- Measured in exploration after the stated stabilization period, prior to backfilling, or in well installation if noted.

DEFINITIONS OF COMMON TERMS

Sample Recovery Ratio - The length of material recovered in a drive or push type sampler over the length of sampler penetration, in inches (e.g. 18/24).

Standard Penetration Test (*SPT*) - An in-situ test where a standard split-spoon sampler is driven a distance of 12 or 18 inches (after an initial 6-inch seating interval) using a 140-lb. hammer falling 30 inches for each blow.

SPT Blows - The number of hammer blows required to drive a split-spoon sampler each consecutive 6-inch interval during a *Standard Penetration Test*. If no discernable advancement of a split spoon sampler is made after 50 consecutive hammer blows, 50/X indicates *sampler refusal* and is the number of blows required to drive the sampler X inches.

SPT N-Value (*N*) - The uncorrected blow count representation of a soil's penetration resistance over a 12-inch interval after an initial 6-in. seating interval, reported in blows per foot (bpf). The N-value is correlated to soil engineering properties.

Auger Refusal - No discernable advancement of the auger over a period of 5 minutes with full rig down pressure applied.

Casing Refusal (Driven) - Casing penetration of less than 6 inches after a minimum 50 blows of a drop hammer weighing 300 lbs. or a minimum 100 blows of a drop hammer weighing 140 lbs.

PID Measurement - A measurement (electronic reading) taken in the field using a photoionization detector (PID) to detect the presence of volatile organic compounds in a soil sample. Values are reported as benzene equivalent units in parts per million (ppm) unless noted otherwise.

Rock Quality Designation (RQD) - A qualitative index measure of the degree of jointing and fracture of a rock core taken from a borehole. The RQD is defined as the sum length of solid core pieces 4 inches or longer divided by the run (cored) length, expressed as a percentage. Higher RQD values may indicate fewer joints and fractures in the rock mass.

Fill (Made Ground) - A deposit of soil and/or artificial waste materials that has been placed or altered by human processes.

LABORATORY TESTS AND FIELD MEASUREMENTS

MC	Moisture Content	IC	1D Incremental Consolidation
OC	Organic Content	VS	Laboratory Vane Shear
PL	Plastic Limit	US	Unconfined Compression
LL	Liquid Limit	TC	Triaxial Compression
GC	Gravel Content	PP	Pocket (Hand) Penetrometer
SC	Sand Content	TV	Torvane (Hand Vane)
FC	Fines Content	PID	Photoionization Detector
DS	Direct Shear	FID	Flame Ionization Detector

BORING ADVANCEMENT METHODS

Hollow-Stem Auger Drilling - Utilizes continuous flight auger sections with hollow stems to advance the borehole. Drill rods and a plug are inserted into the auger stem to prevent the entrance of soil cuttings into the augers.

Rotary Wash Drilling - Utilizes downward pressure and rotary action applied to a non-coring bit while washing the cuttings to the surface using a circulating fluid injected down the drill rods. The borehole is supported with either steel casing or the drilling fluid. Where a casing is used, the borehole is advanced sequentially by driving the casing to the desired depth and then cleaning out the casing. The process of driving and cleaning the casing is commonly referred to as the 'drive-and-wash' technique.

Continuous Sampling - Includes a variety of methods and procedures during which the borehole is advanced via continuous recovery of soil samples. *Direct Push* sampling is a common method that uses static downward pressure combined with percussive energy to drive a steel mandrel into the ground at continuous intervals while recovering soil samples in disposable acetate liners.

Rock Coring - Utilizes downward pressure and rotary action applied to a core barrel equipped with a diamond-set or tungsten carbide coring bit. During conventional coring, the entire barrel is retrieved from the hole upon completion of a core run. Wireline coring allows for removal of the inner barrel assembly containing the actual core while the the drill rods and outer barrel remain in the hole. Various types and sizes of core barrels and bits are used.

GUIDE TO SUBSURFACE EXPLORATION LOGS

Weston & Sampson℠

INDEX SHEET 2
SOIL DESCRIPTION

SOIL CONSTITUENTS

Naturally occurring soils consist of one or more of the following matrix constituents defined in terms of particle size.

Constituent		U.S. Sieve Size			Observed Size (in.)		
Gravel	(Coarse)	3/4 in.	-	3 in.	3/4	-	3
Gravel	(Fine)	No. 4	-	3/4 in.	1/5	-	3/4
Sand	(Coarse)	No. 10	-	No. 40	1/16	-	1/5
Sand	(Medium)	No. 40	-	No. 10	1/64	-	1/16
Sand	(Fine)	No. 200	-	No. 40	1/300	-	1/64
Fines	(Silt or Clay)	Smaller than		No. 200	Less than		1/300

SOIL IDENTIFICATION

Soil identification refers to the grouping of soils with similar physical characteristics into a category defined by a **group name** and corresponding **group symbol** based on estimation of the matrix soil constituents to the nearest 5% and simple manual tests. Proportions of cobbles, boulders, and other non-matrix soil materials are not considered during this procedure but are included in the overall soil description if observed or thought to be present. Refer to the following descriptions and tables adapted from ASTM D2488.

Coarse-Grained Soil - Coarse-grained soils contain fewer than 50% fines and are identified based on the following table.

Primary Constituent	Fines Percent	Type of Fines and Gradation		Group Symbol	Group Name [1]
GRAVEL *% gravel > % sand*	≤ 5%	well graded		GW	Well graded gravel
		poorly graded		GP	Poorly graded gravel
	10%	clayey fines	well graded	GW-GC	Well graded gravel with clay
			poorly graded	GP-GC	Poorly graded gravel with clay
		silty fines	well graded	GW-GM	Well graded gravel wth silt
			poorly graded	GP-GM	Poorly graded gravel with silt
	15% to 45%	clay fines		GC	Clayey gravel
		silt fines		GM	Silty gravel
SAND *% sand ≥ % gravel*	≤ 5%	well graded		SW	Well graded sand
		poorly graded		SP	Poorly graded sand
	10%	clayey fines	well graded	SW-SC	Well graded sand with clay
			poorly graded	SP-SC	Poorly graded sand with clay
		silty fines	well graded	SW-SM	Well graded sand with silt
			poorly graded	SP-SM	Poorly graded sand with silt
	15% to 45%	clay fines		SC	Clayey sand
		silt fines		SM	Silty sand

[1] If soil is a gravel and contains 15% or more sand, add "with sand" to the group name. If soil is a sand and contains 15% of more gravel, add "with gravel" to the group name.

Inorganic Fine-Grained Soil - Fine-grained soils contain 50% or more fines and are identified based on the following table.

Plasticity Criteria	Dry Strength	Coarse Fraction S = Sand, G = Gravel		Group Symbol	Group Name [1]
Medium	Medium to high	< 15% S + G		CL	Lean clay
		≥ 30%	% S ≥ % G	CL	Sandy lean clay
		S + G	% S < % G	CL	Gravelly lean clay
Non-plastic	None to low	< 15% S + G		ML	Silt
		≥ 30%	% S ≥ % G	ML	Sandy silt
		S + G	% S < % G	ML	Gravelly silt
High	High to very high	< 15% S + G		CH	Fat clay
		≥ 30%	% S ≥ % G	CH	Sandy fat clay
		S + G	% S < % G	CH	Gravelly fat clay
Low to Medium	Low to medium	< 15% S + G		MH	Elastic silt
		≥ 30%	% S ≥ % G	MH	Sandy elastic silt
		S + G	% S < % G	MH	Gravelly elastic silt

[1] If soil contains 15% to 25% sand or gravel, add "with sand" or "with gravel" to the group name.

Organic Fine-Grained Soil - Fine-grained soils that contain enough organic particles to influence the soil properties are identified as Organic Soil and assigned the group symbol **OL** or **OH**.

Highly Organic Soil (Peat) - Soils composed primarily of plant remains in various stages of decomposition are identified as Peat and given the group symbol **PT**. Peat usually has an organic odor, a dark brown to black color, and a texture ranging from fibrous (original plant structure intact or mostly intact) to amorphous (plant structure decomposed to fine particles).

SOIL DESCRIPTION

Soils are *described* in the following general sequence. Deviations may occur in some instances.

Identification Components

(1) Group Name and Group Symbol

Description Components

(2) Consistency (Fine-Grained) or Apparent Density (Coarse-Grained)
(3) Color (*note, the term "to" may be used to indicate a gradational change*)
(4) Soil Moisture
(5) Matrix Soil Constituents (Gravel, Sand, Fines)
  └► Proportion (*by weight*), particle size, plasticity of fines, angularity, etc.
(6) Non-Matrix Soil Materials and Proportions (*by volume*)
(7) Other Descriptive Information (Unusual Odor, Structure, Texture, etc.)
(8) [Geologic Formation Name or Soil Survey Unit]

SPT N-VALUE CORRELATIONS

Consistency	SPT N-Value	Apparent Density	SPT N-Value
Very soft	0 - 2	Very loose	0 - 5
Soft	2 - 4	Loose	5 - 10
Medium stiff	4 - 8	Medium dense	10 - 30
Stiff	8 - 15	Dense	30 - 50
Very stiff	15 - 30	Very dense	> 50
Hard	> 30		

SOIL MOISTURE

Dry..... Apparent absence of moisture; dry to the touch.
Moist..... Damp but no visible water.
Wet..... Visible free water; saturated.

PROPORTIONS / PERCENTAGES

Proportions of gravel, sand, and fines (excluding cobbles, boulders, and other constituents) are stated in the following terms indicating a range of percentages by weight (to nearest 5%) of the minus 3-in. soil fraction and add up to 100%.

Mostly ..... 50% - 100%
Some ..... 30% - 45%
Little ..... 15% - 25%
Few ..... 5% - 10%
Trace..... Less than 5%

Proportions of cobbles, boulders, and other non-matrix soil materials including artificial debris, roots, plant fibers, etc. are stated in the following terms indicating a range of percentages by volume (to the nearest 5%) of the total soil.

Numerous ..... 40% - 50%
Common ..... 25% - 35%
Occasional ..... 10% - 20%
Trace..... Less than 5%

PLASTICITY (FINES ONLY)

Non-plastic.....Dry specimen ball falls apart easily. Cannot be rolled into thread at any moisture content.
Low.....Dry specimen ball easily crushed with fingers. Can be rolled into 1/8-in. thread with some difficulty.
Medium.....Difficult to crush dry specimen ball with fingers. Easily rolled into 1/8-in. thread.
High.....Cannot crush dry specimen ball with fingers. Easily rolled and re-rolled into 1/8-in. thread.

COBBLES AND BOULDERS

Cobbles - Particles of rock that will pass a 12-in. square opening and be retained on a 3-in. sieve.

Boulders - Particles of rock that will not pass a 12-in. square opening.

Note: Where the percentage (by volume) of cobbles and/or boulders cannot be accurately or reliably estimated, the terms "with cobbles", "with boulders", or "with cobbles and boulders" may be used to indicate observed or inferred presence.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-1

WSE Project: ENG24-0685

CONTRACTOR:	**Northern Drill Service, Inc.**	BORING LOCATION:	**See Attached Figure**	DATE START:	**June 26, 2024**
FOREMAN:	**Tim Tucker**	ADVANCE METHOD:	**Hollow-Stem Auger Drilling**	DATE FINISH:	**June 26, 2024**
LOGGED BY:	**Kathryn Lennon**	AUGER DIAMETER:	**4-1/4" ID (Stem), 7-5/8" OD (Flights)**	GROUND EL:	**82.0 ± (NAVD88)**
CHECKED BY:	**Aaron Chabot, EIT**	SUPPORT CASING:	**N/A**	FINAL DEPTH:	**27.0 ft.**
EQUIPMENT:	**Mobile B-53, ATV Mounted**	CORING METHOD:	**N/A**	GRID COORDS:	**N:152386.7586 / E:1613994.2370**
SPT HAMMER:	**Automatic (140-lb.)**	BACKFILL MATERIAL:	**Drill Cuttings**	GRID SYSTEM:	**NAD83 State Plane (MA)**

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf) ⊠ Organic Content (%) 10 20 30 40 ⊕ Moisture Content (%) ▶ Plastic Limit, PL (%) ◀ Liquid Limit, LL (%) 25 50 75 100		Surface: Grass area.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 15/24	4 5 5 4	0.0	10		**Poorly graded sand with silt (SP-SM)** - Medium dense; brown; moist; mostly fine to medium SAND, few non plastic fines, trace fine gravel. **[FILL]**		
		S-2 14/24	4 3 4 5	0.2	7		**Silty sand (SM)** - Loose; light brown; moist; mostly fine to medium SAND, little non plastic fines, trace fine gravel. **[FILL]**		[3.0] GC: 2%, SC: 73%, FC: 25%
		S-3 18/24	13 18 26 34	1.1	44		*Trace brick debris* **Poorly graded sand (SP)** - Medium dense to very dense; brown; moist; mostly fine to coarse SAND, trace non plastic fines.	77	
10		S-4 3/24	12 21 30 24	0.7	>> 51		*Change to few fine to coarse gravel*	72	
15		S-5 13/24	4 14 15 16		29		*[16.6'] 1-inch thick seam of grey silt*	67	
20		S-6 12/24	13 14 13 14		27			62	
25		S-7 16/24	9 18 11 11		29		*Change to fine to medium sand*	57	**Exploration ended at 27.0 ft.**

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-2

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 26, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 26, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	82.0 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:152484.0973 / E:1614339.6228
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings	GRID SYSTEM:	NAD83 State Plane (MA)

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf) ⊠ Organic Content (%) 10 20 30 40 ⊕ Moisture Content (%) ▶ Plastic Limit, PL (%) ◀ Liquid Limit, LL (%) 25 50 75 100		Surface: Grass area.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 14/24	3 9 7 7	0.0	16		Topsoil- 3 inches thick. **Silty sand (SM)** - Medium dense; light brown; moist; mostly fine to medium SAND, little non plastic fines; trace roots. **[SUBSOIL]**		
		S-2 16/24	9 13 13 12	0.0	26		**Poorly graded sand (SP)** - Medium dense to dense; orange to tan; moist; mostly fine to medium SAND, trace fine gravel.		
5		S-3 12/24	5 11 15 17	0.1	26		*Change to few fine gravel, trace non plastic fines.*	77	[5.0] GC: 7%, SC: 90%, FC: 3%
10		S-4 13/24	3 5 5 5	0.4	10			72	
15		S-5 14/24	11 14 16 18		30		*Change to fine to medium sand and trace fine gravel*	67	
20		S-6 16/24	9 15 14 20		29		*Change to few gravel*	62	
25		S-7 13/24	11 17 25 27		42			57	**Exploration ended at 27.0 ft.**

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-3

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 27, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 27, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	85.3 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:152340.9004 / E:1614823.0534
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings	GRID SYSTEM:	NAD83 State Plane (MA)

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA ● N-Value, Raw (bpf) ⊠ Organic Content (%) 10 20 30 40 ⊕ Moisture Content (%) ▶ Plastic Limit, PL (%) ◀ Liquid Limit, LL (%) 25 50 75 100	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
							Surface: Grass field.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 12/24	6 7 2 2	0.0	9		Topsoil- 2 inches thick. **Silty sand (SM)** - Loose; brown; moist; mostly fine to medium SAND, little non plastic fines. **[FILL]**		
		S-2 14/24	4 7 14 16	0.4	21		Asphalt- 4 inches thick. **Poorly graded sand (SP)** - Loose; light brown; moist; mostly fine to medium SAND, trace non plastic fines. **[FILL]**		
5		S-3 12/24	8 18 21 24	0.3	39		**Poorly graded sand with gravel (SP)** - Medium dense to dense; orange; moist; mostly fine to coarse SAND, little fine to coarse gravel.	81	
10		S-4 11/24	12 16 15 12	0.2	31		**Poorly graded sand (SP)** - Medium dense to dense; tan; moist; mostly fine to medium SAND, trace fine to coarse gravel, trace non plastic fines.	76	
15		S-5 11/24	12 13 17 17		30			71	
20		S-6 18/24	10 10 15 16		25			66	
25		S-7 15/24	16 15 19 19		34			61	**Exploration ended at 27.0 ft.**

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

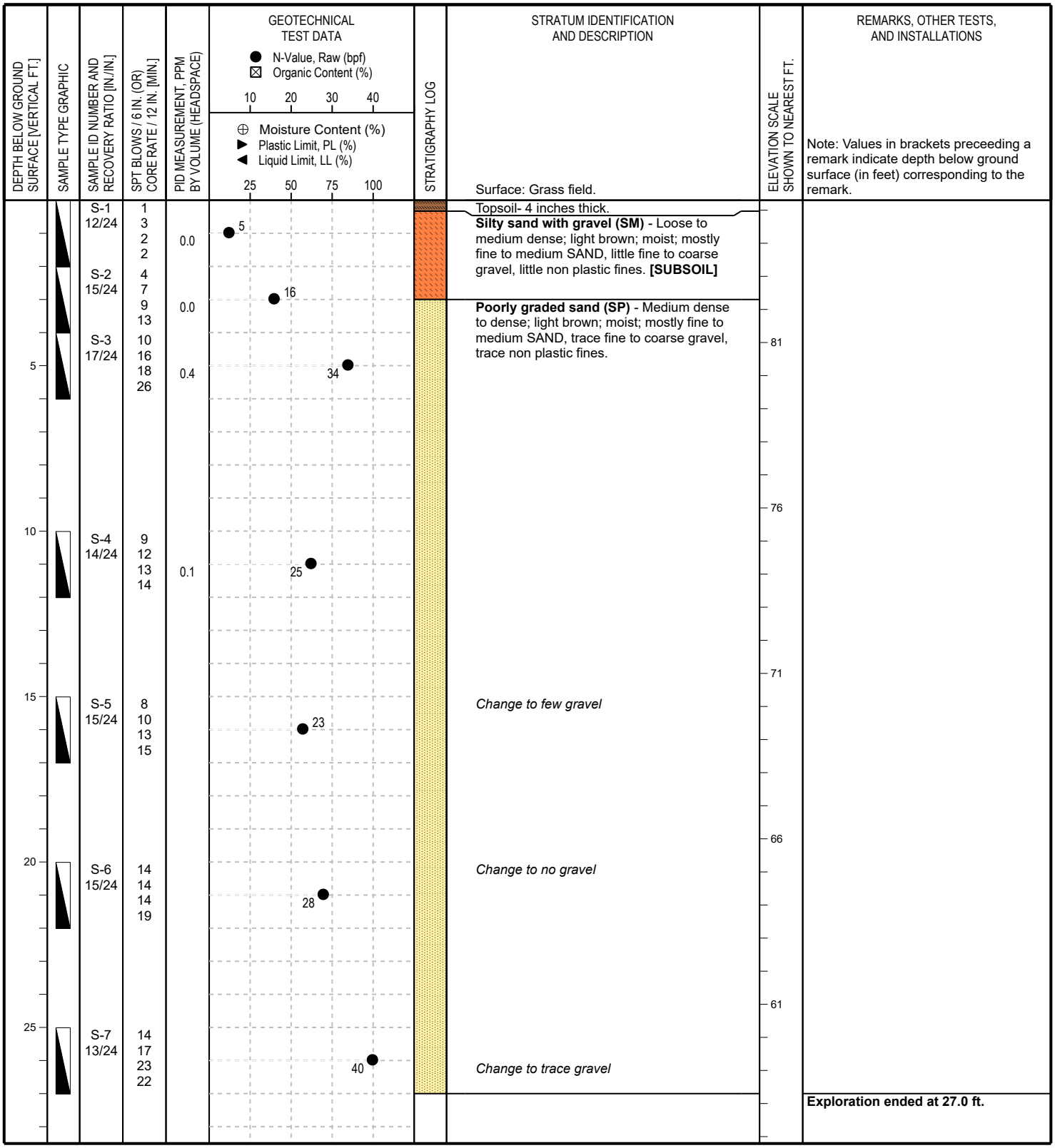
Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-4

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 27, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 27, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	85.3 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:152079.2798 / E:1615025.3315
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings	GRID SYSTEM:	NAD83 State Plane (MA)



Surface: Grass field.

Topsoil- 4 inches thick.

Silty sand with gravel (SM) - Loose to medium dense; light brown; moist; mostly fine to medium SAND, little fine to coarse gravel, little non plastic fines. **[SUBSOIL]**

Poorly graded sand (SP) - Medium dense to dense; light brown; moist; mostly fine to medium SAND, trace fine to coarse gravel, trace non plastic fines.

Change to few gravel

Change to no gravel

Change to trace gravel

Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.

Exploration ended at 27.0 ft.

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

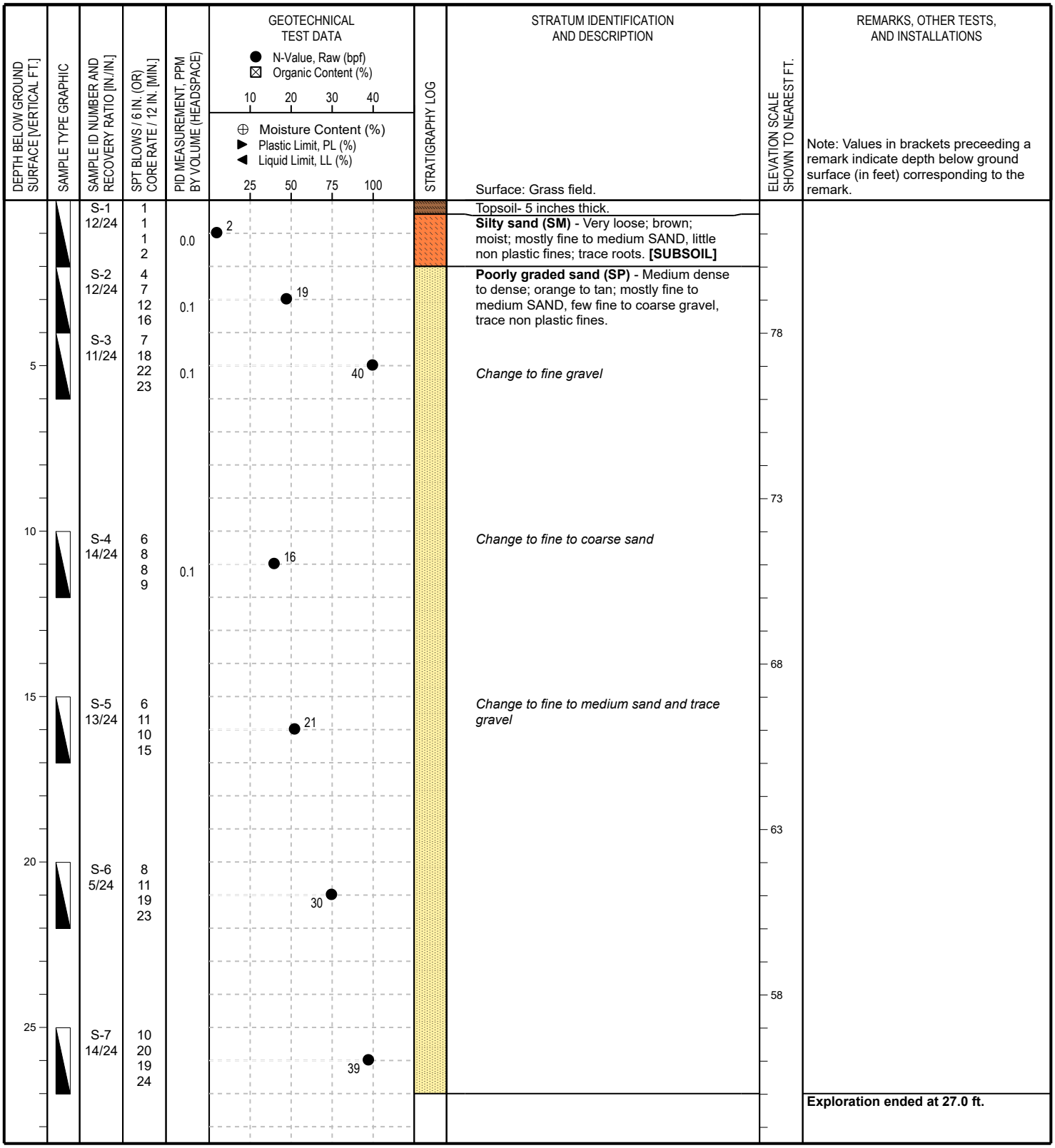
Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-5

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 27, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 27, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	82.0 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:151999.6269 / E:1614580.8887
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings	GRID SYSTEM:	NAD83 State Plane (MA)



Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-6

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 27, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 27, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	82.0 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:151527.5279 / E:1614671.1127
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings	GRID SYSTEM:	NAD83 State Plane (MA)

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA (N-Value, Raw (bpf); Organic Content (%); Moisture Content (%); Plastic Limit, PL (%); Liquid Limit, LL (%))	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
							Surface: Grass field.		
		S-1 14/24	1 4 2 2	0.0	6		Topsoil- 5 inches thick.		
							Silty sand (SM) - Loose; light brown; mostly fine to medium SAND, little non plastic fines, few fine gravel. **[SUBSOIL]**		
		S-2 13/24	4 6 7 10	0.1	13		**Poorly graded sand (SP)** - Medium dense to dense; light brown; moist; mostly fine to medium SAND, trace fine gravel, trace non plastic fines.		
5		S-3 12/24	7 18 28 19	0.1	46		**Poorly graded sand with gravel (SP)** - Medium dense to dense; light brown; moist; mostly fine to coarse SAND, some fine to coarse gravel, trace non plastic fines.	77	
10		S-4 12/24	10 10 8 6	0.4	18			72	
15		S-5 11/24	11 13 10 10		23		**Poorly graded sand (SP)** - Medium dense to dense; light brown; moist; mostly fine to medium SAND, few fine gravel, trace non plastic fines.	67	
							Change to fine to medium sand		
20		S-6 14/24	9 12 12 13		24		*Change to trace gravel*	62	
25		S-7 6/24	12 20 21 23		41		*Change to fine to coarse sand*	57	
							Change to some gravel		
									Exploration ended at 27.0 ft.

Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-7 MW

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 26, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 26, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	82.0 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:152015.6613 / E:1614216.4937
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Monitoring Well Installed	GRID SYSTEM:	NAD83 State Plane (MA)

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf) ⊠ Organic Content (%) 10 20 30 40 ⊕ Moisture Content (%) ▶ Plastic Limit, PL (%) ◀ Liquid Limit, LL (%) 25 50 75 100		Surface: Bare soil, no vegetation.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 5/24	5 7 9 14	0.3	16		**Poorly graded sand with silt (SP-SM)** - Medium dense; dark brown; moist; mostly fine to medium SAND, few coarse gravel, few non plastic fines. **[FILL]**		
		S-2 13/24	23 33 20 7	0.2	>> 53		**Silty sand with gravel (SM)** - Loose to very dense; brown; moist; mostly fine to medium SAND, little non plastic fines, little coarse gravel; trace roots. **[FILL]**		[3.0] GC: 16%, SC: 62%, FC: 22%
		S-3 12/24	2 4 4 7	0.4	8		*Change to fine sand*		
5								77	
		S-4 9/24	13 15 14 30		29		**Poorly graded sand with gravel (SP)** - Medium dense to dense; brown; moist; mostly fine to coarse SAND, little coarse gravel, trace non plastic fines.		[9.0] Auger grinding.
10								72	
		S-5 0/24	8 17 23 24		40		**Poorly graded sand (SP)** - Medium dense to dense; light brown and tan; moist; mostly fine to coarse SAND, few fine gravel, trace non plastic fines.		
15								67	
		S-6 11/24	4 10 9 13		19		*Iron oxide staining*		
20								62	
		S-7 11/24	8 20 19 18		39		*Change to fine to medium sand*		**Exploration ended at 27.0 ft.**
25								57	

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Weston & Sampson

MVRHS Feasibility Evaluation
100 Edgartown Vineyard Haven Rd, Oak Bluffs, MA

BORING ID: B-8

WSE Project: ENG24-0685

CONTRACTOR:	Northern Drill Service, Inc.	BORING LOCATION:	See Attached Figure	DATE START:	June 26, 2024
FOREMAN:	Tim Tucker	ADVANCE METHOD:	Hollow-Stem Auger Drilling	DATE FINISH:	June 26, 2024
LOGGED BY:	Kathryn Lennon	AUGER DIAMETER:	4-1/4" ID (Stem), 7-5/8" OD (Flights)	GROUND EL:	75.5 ± (NAVD88)
CHECKED BY:	Aaron Chabot, EIT	SUPPORT CASING:	N/A	FINAL DEPTH:	27.0 ft.
EQUIPMENT:	Mobile B-53, ATV Mounted	CORING METHOD:	N/A	GRID COORDS:	N:151790.3687 / E:1613924.4185
SPT HAMMER:	Automatic (140-lb.)	BACKFILL MATERIAL:	Drill Cuttings and Asphalt Patch	GRID SYSTEM:	NAD83 State Plane (MA)

DEPTH BELOW GROUND SURFACE [VERTICAL FT.]	SAMPLE TYPE GRAPHIC	SAMPLE ID NUMBER AND RECOVERY RATIO [IN./IN.]	SPT BLOWS / 6 IN. (OR) CORE RATE / 12 IN. [MIN.]	PID MEASUREMENT, PPM BY VOLUME (HEADSPACE)	GEOTECHNICAL TEST DATA	STRATIGRAPHY LOG	STRATUM IDENTIFICATION AND DESCRIPTION	ELEVATION SCALE SHOWN TO NEAREST FT.	REMARKS, OTHER TESTS, AND INSTALLATIONS
					● N-Value, Raw (bpf) ⊠ Organic Content (%) 10 20 30 40 ⊕ Moisture Content (%) ▶ Plastic Limit, PL (%) ◀ Liquid Limit, LL (%) 25 50 75 100		Surface: Asphalt concrete pavement.		Note: Values in brackets preceeding a remark indicate depth below ground surface (in feet) corresponding to the remark.
		S-1 11/24	26 12 12 8	0.2	24		Asphalt- 4 inches thick. **Poorly graded sand with silt (SP-SM)** - Medium dense; orange and light brown; moist; mostly fine to medium SAND, few non plastic fines, trace fine gravel. **[FILL]**		
		S-2 14/24	6 10 16 16	0.4	26		**Poorly graded sand (SP)** - Medium dense; light brown; moist; mostly fine to medium SAND, few fine to coarse gravel, trace non plastic fines. **[FILL]**		
5		S-3 11/24	6 16 18 22	0.6	34		**Poorly graded sand with gravel (SP)** - Medium dense to dense; tan; mostly fine to coarse SAND, little fine to coarse gravel, trace non plastic fines.	71	
10		S-4 13/24	13 18 15 14	0.2	33		*Change to orange*	66	[11.0] GC: 15%, SC: 77%, FC: 8%
15		S-5 13/24	5 7 11 15		18		*Change to tan and no gravel* *Change to fine to medium sand*	61	
20		S-6 12/24	13 32 32 29		>> 64		*Change to orange* *Change to few gravel*	56	
25		S-7 13/24	12 20 19 18		39		*Change to fine to coarse sand*	51	**Exploration ended at 27.0 ft.**

Refer to the attached index sheets for important information about this log including general notes, legends, and guidance on description methods and procedures.

Attachment C

Geotechnical Laboratory Test Data

Thielsch
DIVISION OF THE RISE GROUP

195 Frances Avenue
Cranston RI, 02910
Phone: (401)-467-6454
Fax: (401)-467-2398
thielsch.com
Let's Build a Solid Foundation

Client Information:	
Weston & Sampson	
Foxborough, MA	
Project Manager:	Stefanie Bridges
Assigned By:	Stefanie Bridges
Collected By:	Client

Project Information:	
Martha's Vineyard Regional High School Feasibility Evaluation	
100 Edgartown Vineyard Haven Road, Oak's Bluff, MV	
Project Number:	ENG24-0685
Summary Page:	1 of 1
Report Date:	07.15.2024

LABORATORY TESTING DATA SHEET, Report No.: 7424-G-B015

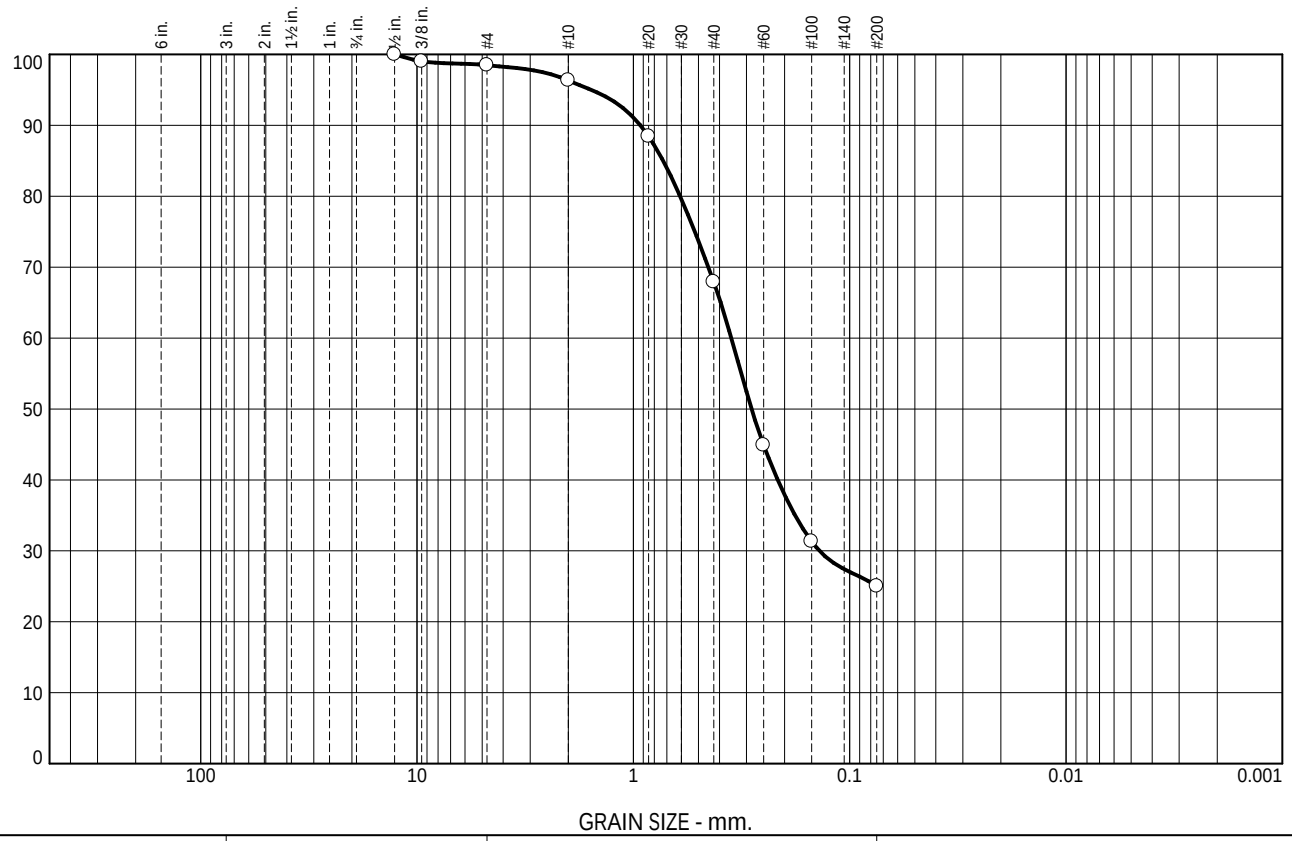
Boring ID	Sample No.	Depth (ft)	Laboratory No.	Identification Tests								Proctor / CBR / Permeability Tests								Laboratory Log and Soil Description
				As Rcvd Moisture Content %	LL %	PL %	Gravel %	Sand %	Fines %	Org. %	pH	g_d MAX (pcf) W_{opt} (%)	g_d MAX (pcf) W_{opt} (%) (Corr.)	Dry unit wt. (pcf)	Test Moisture Content %	Target Test Setup as % of Proctor	CBR @ 0.1"	CBR @ 0.2"	Permeability cm/sec	
				D2216	D4318		D6913			D2974	D4792	D1557								
B-1	S-2	2-4	24-S-B1106				1.5	73.5	25.0											Light Brown f-m SAND, some Silt, trace fine Gravel
B-2	S-3	4-6	24-S-B1107				7.2	89.8	3.0											Light Brown f-m SAND, trace fine Gravel, trace Silt
B-7	S-2	2-4	24-S-B1108				16.3	61.6	22.1											Brown f-m SAND, some Silt, little coarse Gravel
B-8	S-4	10-12	24-S-B1109				15.2	77.3	7.5											Red-Brown f-c SAND, little f-c Gravel, trace Silt

Date Received: **07.08.2024**

Reviewed By: Romilie LeBlanc

Date Reviewed: **07.15.2024**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.5	2.2	28.4	42.9	25.0	

SIEVE SIZE OR DIAMETER	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2"	100.0		
3/8"	99.0		
#4	98.5		
#10	96.3		
#20	88.4		
#40	67.9		
#60	44.9		
#100	31.3		
#200	25.0		

* (no specification provided)

Source of Sample: B-1 Depth: 2-4'
Sample Number: S-2

Soil Description

Light Brown f-m SAND, some Silt, trace fine Gravel

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{90}= 0.9280 D_{85}= 0.7283 D_{60}= 0.3527
D_{50}= 0.2842 D_{30}= 0.1379 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SM AASHTO= A-2-4(0)

Remarks

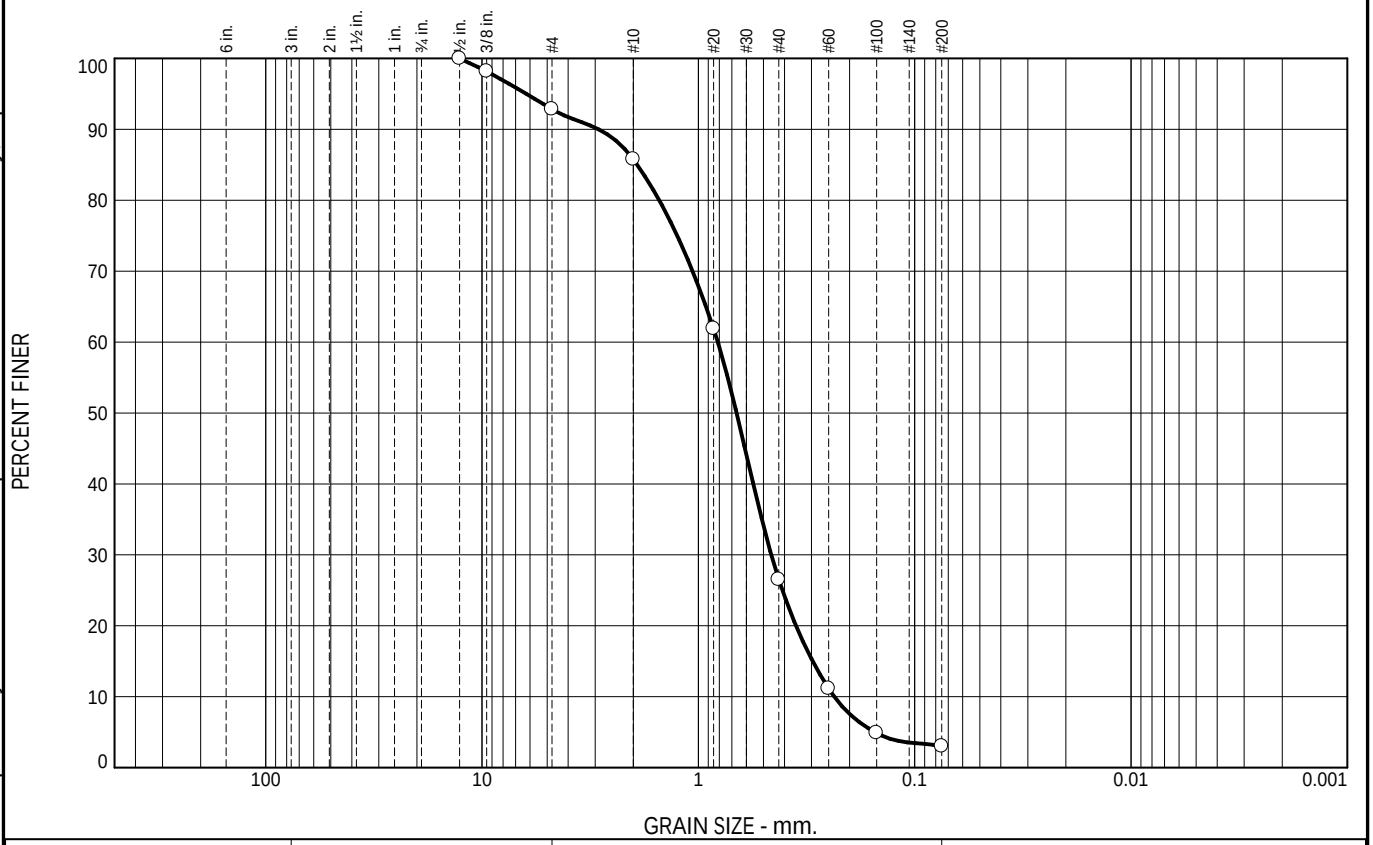
Date: 07.11.2024

Thielsch Engineering Inc.
Cranston, RI

Client: Weston & Sampson
Project: Martha's Vineyard Regional High School Feasibility Evaulation
100 Edgartown Vineyard Haven Road, Oak Bluffs, MV
Project No: ENG24-0685 Figure 24-S-B1106

Tested By: MF / SF Checked By: Ronelle LeBlanc

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	7.2	7.0	59.3	23.5	3.0	

SIEVE SIZE OR DIAMETER	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1/2"	100.0		
3/8"	98.2		
#4	92.8		
#10	85.8		
#20	61.9		
#40	26.5		
#60	11.1		
#100	4.9		
#200	3.0		

* (no specification provided)

Soil Description

Light Brown f-m SAND, trace fine Gravel, trace Silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{90}= 2.8888 D_{85}= 1.9182 D_{60}= 0.8123
D_{50}= 0.6659 D_{30}= 0.4604 D_{15}= 0.2962
D_{10}= 0.2355 C_u= 3.45 C_c= 1.11

Classification

USCS= SP AASHTO= A-1-b

Remarks

Source of Sample: B-2 Depth: 4-6'
Sample Number: S-3

Date: 07.11.2024

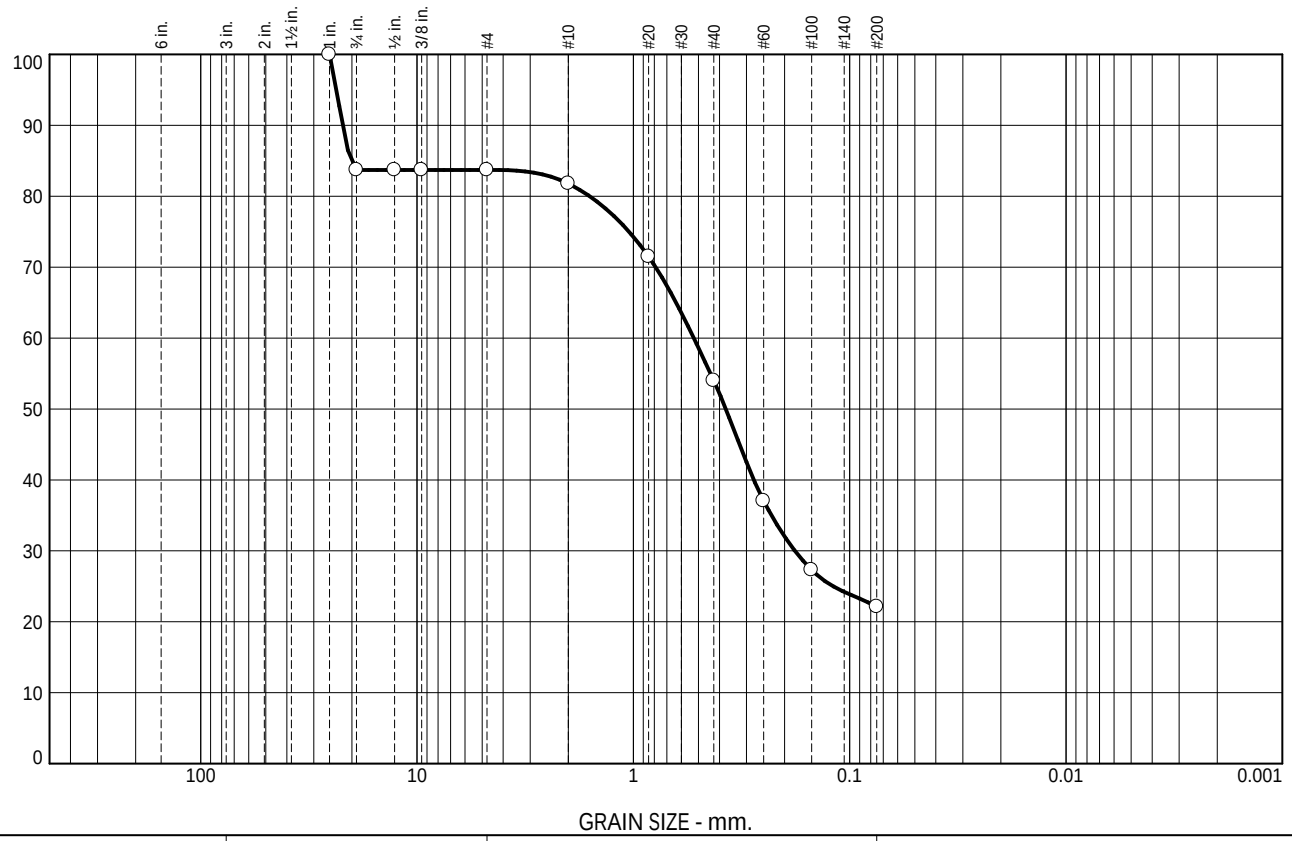
Thielsch Engineering Inc.

Cranston, RI

Client: Weston & Sampson
Project: Martha's Vineyard Regional High School Feasibility Evaulation
100 Edgartown Vineyard Haven Road, Oak Bluffs, MV
Project No: ENG24-0685 Figure 24-S-B1107

Tested By: MF / SF Checked By: Ronelle LeBlanc

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.3	0.0	1.9	27.8	31.9	22.1	

SIEVE SIZE OR DIAMETER	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1"	100.0		
3/4"	83.7		
1/2"	83.7		
3/8"	83.7		
#4	83.7		
#10	81.8		
#20	71.5		
#40	54.0		
#60	37.0		
#100	27.3		
#200	22.1		

* (no specification provided)

Soil Description

Brown f-m SAND, some Silt, little coarse Gravel

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{90}= 22.0521 D_{85}= 20.2357 D_{60}= 0.5257
D_{50}= 0.3739 D_{30}= 0.1792 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SM AASHTO= A-2-4(0)

Remarks

Source of Sample: B-7 Depth: 2-4'
Sample Number: S-2

Date: 07.11.2024

Thielsch Engineering Inc.

Cranston, RI

Client: Weston & Sampson
Project: Martha's Vineyard Regional High School Feasibility Evaulation
100 Edgartown Vineyard Haven Road, Oak Bluffs, MV
Project No: ENG24-0685 Figure 24-S-B1108

Tested By: MF / SF Checked By: Ronelle LeBlanc

Particle Size Distribution Report

% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	9.0	6.2	8.8	50.1	18.4	7.5	

SIEVE SIZE OR DIAMETER	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1"	100.0		
3/4"	91.0		
1/2"	91.0		
3/8"	89.1		
#4	84.8		
#10	76.0		
#20	52.7		
#40	25.9		
#60	16.5		
#100	11.4		
#200	7.5		

* (no specification provided)

Soil Description

Red-Brown f-c SAND, little f-c Gravel, trace Silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{90}= 10.6807 D_{85}= 4.8559 D_{60}= 1.0689
D_{50}= 0.7879 D_{30}= 0.4822 D_{15}= 0.2227
D_{10}= 0.1221 C_u= 8.76 C_c= 1.78

Classification

USCS= SW-SM AASHTO= A-1-b

Remarks

Source of Sample: B-8 Depth: 10-12'
Sample Number: S-4

Date: 07.11.2024

Thielsch Engineering Inc.

Cranston, RI

Client: Weston & Sampson
Project: Martha's Vineyard Regional High School Feasibility Evaulation
100 Edgartown Vineyard Haven Road, Oak Bluffs, MV
Project No: ENG24-0685 Figure 24-S-B1109

Tested By: MF / SF Checked By: Ronelle LeBlanc

Attachment D

"Important Information about your Geotechnical Engineering Report" by GBA, Inc.

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for information purposes only.* To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer's services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration*** by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

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