129 BARTHOLOMEW HILL ROAD, GOSHEN, CONNECTICUT, USA/SOLAR PV FACILITY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Prepared for:
Greenskies Clean Energy, LLC

Client Ref: 145.16763.00011.0040

May 2021

SIGNATURE PAGE

This document has been prepared by SLR International Corporation. The material and data in this report were prepared under the supervision and direction of Scott Bristol.

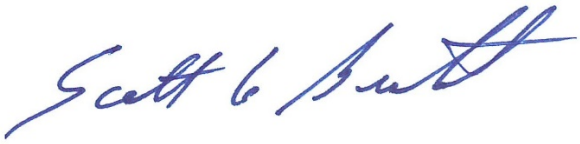
DEFINITION

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in §312.10 of 40 CFR 312;

and

QUALIFICATIONS

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed all appropriate inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:	*Reviewed by:*
	
Emily Allison, MS	Scott G. Bristol, LEP, PG
Associate Environmental Scientist	Principal Consultant

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APPENDICES

ACRONYMS

AOC	Area of Concern
APA	Aquifer Protection Area
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
BER	Business Environmental Risk
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CGS	Connecticut General Statute
CREC	Controlled Recognized Environmental Condition
CTA	Connecticut Transfer Act
CTDEEP	Connecticut Department of Energy & Environmental Protection
CTDOSP	Connecticut Document Online Search Portal
CTECO	Connecticut Environmental Conditions Online
EDR	Environmental Data Resources, Inc.
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft amsl	feet above mean sea level
Greenskies	Greenskies Clean Energy, LLC
HREC	Historical Recognized Environmental Condition
PCB	Polychlorinated Biphenyl
PV	photovoltaic
REC	Recognized Environmental Condition
RSR	Remediation Standard Regulation
SCGD	Site Characterization Guidance Document
SLR	SLR International Corporation
TAHD	Torrington Area Health District
UST	underground storage tank

EXECUTIVE SUMMARY

SLR International Corporation (SLR) performed a Phase I Environmental Site Assessment (ESA) of a portion of the parcel located at 129 Bartholomew Hill Road in the western-central portion of Goshen, Connecticut, as shown on Figure 1. The portion of the parcel that is the subject of this assessment is the area of proposed development for solar panel installation and is herein referred to as the "Project Area" or "Site." The property is currently co-owned by Joseph W. Harnett and Barbara Muchelot.

The Phase I ESA was performed at the request of Greenskies Clean Energy, LLC (Greenskies) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E1527-13 and pursuant to the Connecticut Department of Energy & Environmental Protection (CTDEEP) *Site Characterization Guidance Document* (SCGD) (September 2007, revised December 2010). The work was conducted as part of due diligence for the leasing of the north and east portions of the 129 Bartholomew Hill Road parcel for the intended development of a photovoltaic (PV) solar array.

SITE DESCRIPTION AND USE

The property on which the Project Area lies, located on the western-central portion of Goshen, Connecticut, comprises a mostly undeveloped, 69.1-acre residential parcel with agricultural fields, forested land, wetlands, and an intermittent watercourse. The west boundary of the property is the border of the town of Cornwall, Connecticut. Structures on the property include a residence, a barn, and a shed and are located to the far southeast of the Site. Physical details of the Site and vicinity are provided in Section 2.3.1. of this report.

The Site is currently used for agricultural purposes.

Access to the Site is via the 129 Bartholomew Hill Road driveway from the north side of Bartholomew Hill Road. A second access is a proposed gravel road to the Project Area and is to extend from the existing driveway to the Project Area.

HISTORICAL USES

The east portion of the Site was initially developed for agricultural use by the early 1940s. By the late 1970s, the agricultural use had expanded to comprise both the entire north and east portions of the property.

CONCLUSIONS

SLR identified one area of concern (AOC) in association with the Site. These characteristics, which were identified as a result of the research performed during this assessment, are further explained in the following paragraphs.

RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no recognized environmental conditions (RECs) in association with the Site.

AREAS OF CONCERN

This assessment has revealed the following AOC associated with the Site:

Due to the nature of farming operations historically and currently conducted, there is potential for pesticides, herbicides, and/or fungicides to exist in the soils within the cultivated areas of the property, which include the proposed Project Area. These portions of the property have been cultivated since at least the early 1940s.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no historical recognized environmental conditions (HRECs) in connection with the Site.

CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has not revealed controlled recognized environmental conditions (CRECs) in connection with the Site.

DE MINIMIS CONDITIONS

This assessment has not revealed *de minimis* conditions in connection with the Site.

CONNECTICUT TRANSFER ACT

The Connecticut Transfer Act (Connecticut General Statutes [CGS] Sections 22a-134 through 22a-134e, or ["CTA"]) requires the disclosure of environmental conditions when ownership of certain real properties and/or businesses ("Establishments") are transferred. The CTA defines an "Establishment" as including any real property or business operation from which, on or after November 19, 1980, "there was generated, except as the result of remediation of polluted soil, groundwater, or sediment, more than one hundred (100) kilograms of hazardous waste in any one month." The term Establishment also includes any property or business where hazardous waste generated at a different location was recycled, reclaimed, reused, stored, handled, treated, transported, or disposed. Further, any real properties upon which the following business operations were performed on or after May 1, 1967, are also considered Establishments: dry cleaning, furniture stripping, or vehicle body repair, regardless of the amount of hazardous waste that may have been generated on site. Recent amendments to the CTA exclude the one-time generation of hazardous waste in any 1 month as a result of the first time such waste was generated.

Based on the findings of this assessment, the Site does not appear to meet the definition of an "Establishment" pursuant to CGS Section 22a-134. SLR recommends that the final determination be made by legal counsel.

SIGNIFICANT DATA GAPS

SLR was limited in reviewing regulatory agency documentation from the CTDEEP as public access to the File Room is currently only available via appointment, and as of April 1, 2021, appointments are not available until July 2021. This is a significant delay in obtaining what could be pertinent information and extends beyond the time frame in which this report will be completed. SLR was only able to review existing electronically scanned agency files that were available via the Connecticut Document Online Search Portal (CTDOSP).

This data gap is not deemed significant enough to alter the conclusions drawn in this report.

No other significant data gaps were encountered that are expected to affect the findings of this report.

1. INTRODUCTION

1.1 PROJECT INFORMATION

Client Information:		Consultant Information:	
Greenskies Clean Energy, LLC 127 Washington Avenue North Haven, Connecticut 06473, USA		SLR International Corporation 45 Glastonbury Boulevard Glastonbury, Connecticut 06033, USA	
Client Contact:		**Project Manager:**	
Name:	Gina L. Wolfman	**Name:**	Scott Bristol, LEP
Phone:	860-398-5408	**Phone:**	860-400-5701
Email:	gina.wolfman@cleanfocus.us	**Email:**	sbristol@slrconsulting.com
Inspection Details:			
Site:	Goshen Solar PV Facility 129 Bartholomew Hill Road Goshen, Connecticut, USA	**Inspection Date:**	April 6, 2021
		Interview Date:	April 6, 2021
		Records Date:	April 2021
County:	Litchfield	**Assessors:**	Emily Allison, Peter Shea
Lat/Long:	41.8523090, 73.2780080	**Environmental Professional:**	Scott Bristol

1.2 OBJECTIVES

The objective of this Phase I Environmental Site Assessment (ESA) is to identify, to the extent feasible pursuant to the processes outlined in the scope of work, *recognized environmental conditions* (RECs), *historical recognized environmental conditions* (HRECs), *controlled recognized environmental conditions* (CRECs), or *business environmental risks* (BERs) as defined by the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13 (ASTM E1527-13), as well as Areas of Concern (AOCs) as defined by the Connecticut Department of Energy & Environmental Protection (CTDEEP) *Site Characterization Guidance Document* (*SCGD)* (revised December 2010) for the Site.

The ASTM Practice defines a REC as:

"…the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis conditions* that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies…"

The ASTM Practice defines an HREC as:

"…an environmental condition, which in the past would have been considered a REC, but which may or may not be considered a REC currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the HREC on the Site. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency, this condition shall be considered an HREC…"

The ASTM Practice defines a CREC as:

"…a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls…)"

The CTDEEP SCGD defines an AOC as:

"…locations or areas at a site where hazardous waste and/or hazardous substances (including, but not limited to, petroleum products) have been or may have been used, stored, treated, handled, disposed, spilled, and/or released to the environment…."

Note that not all AOCs are considered RECs but would require evaluation in accordance with the Connecticut Transfer Act (CTA) and the associated Remediation Standard Regulations (RSRs).

The ASTM Practice defines a BEC as:

"…a risk which can have a material and environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of *commercial real estate,* not necessarily limited to those environmental issues required to be investigated in this practice…."

The ASTM Practice defines a *de minimis* condition as:

"…a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

1.3 PURPOSE

Typically, a Phase I ESA is intended to permit the User(s) to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. This

assessment constitutes all appropriate inquiries into the previous ownership and uses of the Site consistent with good commercial or customary practice, as defined in 42 U.S.C. §9601(35)(B) of CERCLA. If RECs are identified during this assessment, there may be continuing obligations on the part of the User to maintain their CERCLA liability limitation.

The former and current business activities at the Site were evaluated for the purpose of this ESA.

1.4 SCOPE OF WORK, SIGNIFICANT ASSUMPTIONS, TERMS AND CONDITIONS

This Phase I ESA focused on the proposed project area as defined by Greenskies, shown on Figure 2.

The scope of work, significant assumptions, and terms and conditions applicable to this Phase I ESA are identified in the following documents:

- SLR Engagement Letter dated 15 January 2021;
- ASTM Standard Practice, Designation E1527-13;
- CTDEEP SCGD (revised December 2010); and
- Statement of Limitations presented in Appendix F of this report.

1.5 USER/RELIANCE

This report was prepared for the exclusive use of Greenskies Clean Energy, LLC (Greenskies). No other entity may rely on the information presented in the report without the express written consent of SLR International Corporation (SLR). Any use of this Phase I ESA report constitutes acceptance of the terms and conditions under which it was prepared. SLR liability extends only to its client and not to any other parties who may obtain the Phase I ESA report.

1.6 USER-PROVIDED INFORMATION

SLR requested the following information from the User of this ESA report:

Information on environmental liens on the Site:	The User reported no knowledge of environmental liens on the Site.
Information on Site activity and use limitations (AULs):	The User reported no knowledge related to AULs on the Site.
Specialized knowledge or experience of the User that is material to RECs in connection with the Site:	The User reported no special knowledge or experience material to RECs in connection with the Site.
Knowledge that Site purchase/sale price is significantly lower than market value:	The User intends to lease the property and not purchase.
Commonly known or reasonably ascertainable information about the Site material to RECs:	The User reported no commonly known or reasonably ascertainable information about the Site material to RECs.

1.7 USER-PROVIDED DOCUMENTS

The User did not provide SLR with documentation associated with the Site except for the proposed Site plan for the installation of solar panels on the northeastern portion of the Site. The Site plan is discussed in further detail in Section 3.4.

2. SITE AND SURROUNDING AREA OBSERVATIONS

Access to the Site was provided by the current owner of the property, Mr. Joseph Harnett. Weather at the time of the Site visit was sunny with temperatures in the low 70s.

2.1 METHODOLOGY

SLR utilized the following methodology to observe the Site:

- Traverse the outer Site boundary.
- Traverse transects across the Site.
- Traverse the periphery of all structures within the Site.
- Visually observe all accessible areas within the Project Area expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

2.2 RESTRICTIONS

No weather, facility, or client-related restrictions were encountered.

2.3 SUBJECT SITE

2.3.1 SITE DESCRIPTION AND LAYOUT

The property on which the Project Area lies comprises one 69.1-acre parcel that is mostly forested with some agricultural fields, a residence and associated barn and shed, and a few wetland areas. The following table provides information on the property with Town of Goshen Assessor details.

Parcel Address	Map, Block, Lot	Acreage	Owner	Current Use
129 Bartholomew Hill Road	08, 012, 003	69.1	Joseph W. Harnett & Barbara Muchelot	Mixed (residential & agricultural)

Utilities, additional features of the Site, and observations made by SLR during the Site reconnaissance are outlined in the table below. Figures presented in Appendix A show the general location of the Site and a Site plan. Photographs are provided in Appendix B.

Estimated % of Site covered by buildings and/or pavement:	0%
Potable water provider:	None observed within the Project Area. The owner indicated that a spring well located west of the Project Area served as irrigation supply for the Project Area.
Water supply wells:	None

Sewage disposal method:	None
Electric utility:	None
Natural gas utility:	None
Emergency generators:	None
On-site pits, ponds, or lagoons:	None observed
Stained soil or pavement:	None
Stressed vegetation:	No stressed vegetation was observed.
On-Site solid waste disposal including land filling, dumping, disturbed soils, or direct burial activities:	No stockpiles, land filling, or disposal activities were observed.
Other noteworthy features:	None

2.3.2 SITE OPERATIONS

The Project Area is currently used for agricultural purposes.

2.3.3 MATERIAL HANDLING AND STORAGE

The table below describes the visual and/or physical observations made by SLR during the Site reconnaissance, in interviews, or the records review portions of the assessment:

Observation	Description
Hazardous substances and petroleum products:	None
Other materials:	None
Staining & odors:	No staining or odors were observed
Pools of liquid:	None observed
Unidentified substance containers:	None observed
Polychlorinated biphenyl (PCB) - containing equipment:	No PCB-containing equipment was observed.

2.3.3.1 Underground Storage Tanks/Structures

SLR found no evidence of any existing underground storage tanks (USTs) at the Project Area.

The CTDEEP Registered UST List (up to date as of April 5, 2021) did not include any entries for the 129 Bartholomew Hill Road property.

2.3.3.2 Aboveground Storage Tanks

Aboveground storage was not observed within the Project Area.

2.3.4 WASTE GENERATION

Based on the observations made during the Site visit and a review of the available documentation to date, there are currently no wastes generated at the Site.

2.3.5 WATER SUPPLY

A spring was present west of the Project Area. The spring reportedly serves as an irrigation source for the former corn and hay fields.

According to the University of Connecticut's Environmental Conditions Online (CTECO) Map, groundwater quality beneath the Site is classified as "GA/GAA." GA/GAA groundwater is generally defined by the CTDEEP as an existing or a potential public supply of water suitable for drinking without treatment.

The CTECO interactive mapping also indicated that the nearest Wellhead Protection/Aquifer Protection Area is located approximately 4.3 miles southeast of the 129 Bartholomew Hill Road property.

2.3.6 WASTEWATER

Wastewaters are not generated at the Site.

2.3.7 STORMWATER

In general, stormwater runoff from the Project Area flows south. Overland stormwater on the west side of the Project Area flows southwest toward the Hollenbeck River located approximately 2,300 feet west of the Project Area. Overland flow on the east side of the Project Area follows the mounded topography southward via an unnamed stream that eventually drains into Tyler Lake located approximately 4,500 feet south of the 129 Bartholomew Hill Road property boundary.

No evidence of impacts on stormwater conveyances was identified at the Site.

There are CTDEEP-mapped wetlands located at the north side of the Site according to CTECO.

Federal Emergency Management Agency (FEMA) online portal mapping indicates the Site is within zone "X" (area determined to be outside the 500-year flood).

2.3.8 CONNECTICUT TRANSFER ACT

The CTA requires the disclosure of environmental conditions when ownership of certain real properties and/or businesses ("Establishments") are transferred. The CTA defines an "Establishment" as including any real property or business operation from which, on or after November 19, 1980, "there was generated, except as the result of remediation of polluted soil, groundwater, or sediment, more than one hundred (100) kilograms of hazardous waste in any one month." The term Establishment also includes any real property or business operations where hazardous waste generated at a different location was

recycled, reclaimed, reused, stored, handled, treated, transported, or disposed. Further, any real properties upon which the following business operations were performed on or after May 1, 1967, are also considered Establishments: dry cleaning, furniture stripping, or vehicle body repair, regardless of the amount of hazardous waste that may have been generated on site. Recent amendments to the CTA exclude the one-time generation of hazardous waste in any 1 month as a result of the first time such waste was generated.

Based on a review of the information obtained during the course of this assessment, it does not appear that the Site is considered an "Establishment."

SLR recommends that the Client engage with legal counsel familiar with the CTA on the status of the Site as an Establishment.

2.4 SUMMARY OF SITE VISIT FINDINGS

The Project Area comprises an agricultural field with sparse wooded areas around the edges.

There were no structures present within the Project Area.

A springhouse was observed to the west of the Site, which the owner indicated was used for irrigation of the cultivated fields.

Based on the Site visit observations, no RECs were identified in association with the current land use. The use of pesticides for agricultural purposes is considered an AOC due to their possible presence based on the potential use in accordance with manufacturer's application instructions.

2.5 ADJOINING PROPERTIES

2.5.1 AREA DESCRIPTION

The Site is located in a heavily wooded and light residential – mixed area of Goshen, Connecticut. Current uses of adjoining properties are described in the following table:

North	Wooded, vacant land
South	Mix of wooded, vacant land, and residential use
East	To the southeast is a residence, and to the northeast is a privately owned airport strip.
West	Wooded, vacant land (Cornwall town line)

2.5.2 DISCHARGES, MIGRATION, OR RUNOFF OF POTENTIAL CONTAMINANTS FROM SURROUNDING PROPERTIES

No evidence of discharges, migration, or runoff of potential contaminants from surrounding properties was observed at the time of the Site visit.

3. RECORDS REVIEW

3.1 FEDERAL/STATE ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from a third-party environmental database search firm, Environmental Data Resources, Inc. (EDR). A complete copy of the database, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix C.

3.1.1 LISTINGS FOR SITE

There were no listings for the Site or the 129 Bartholomew Hill Road parcel in the EDR report.

3.1.2 LISTINGS FOR NEARBY SITES WITH POTENTIAL TO IMPACT SITE

There were no listings for nearby sites or orphan sites (sites that could not be plotted) within the ASTM-specified search radius.

SLR concluded there were no RECs associated with offsite or orphan listings.

3.2 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

SLR contacted the following sources to request information pertaining to the Site use and/or indicative of AOCs/RECs in connection with the Site:

Agency Name	Finding
Connecticut Department of Energy & Environmental Protection 79 Elm Street Hartford, CT 06106	SLR conducted a review of CTDEEP's online records (Connecticut Document Online Search Portal [CTDOSP] including manifest database and Contaminated or Potentially Contaminated Sites List) for information pertaining to spills, releases, inspections, violations, or any other environmentally significant information. Information received is summarized in relevant sections of this report.
Goshen Assessor's Office 42A North Street Goshen, CT 06756	SLR performed a review of publicly available information on the Town of Goshen Assessor's Office online property record database. Information provided is summarized in relevant sections of this report.
Building Department 42A North Street Goshen, CT 06756	SLR placed a request to review publicly available information of the Goshen Building Department records on April 7, 2021. Information provided is summarized in relevant sections of this report.
Fire Marshal's Office 42A North Street Goshen, CT 06756	SLR placed a request to review publicly available information of the Goshen Fire Marshal's Office records on April 7, 2021. Information provided is summarized in relevant sections of this report.
Torrington Area Health District 350 Main Street, Suite A Torrington, CT 06790	SLR performed a review of publicly available information of the Torrington Area Health District (TAHD) office via an electronic request. Information provided is summarized in relevant sections of this report.

Goshen Inland Wetlands & Zoning Department 42A North Street Goshen, CT 06756	SLR submitted a request to review publicly available information of the Site from the Inland Wetlands & Zoning Department (including Land Use and Planning). Information provided is summarized in relevant sections of this report.

3.3 HISTORICAL RECORDS

3.3.1 SITE AND SURROUNDING AREA HISTORICAL USE SUMMARY

The Site was developed for agricultural (corn and hay fields) use by at least 1934.

The residence and garage and barn buildings to the south of the Project Area were constructed between the late 1970s and late 1980s.

3.3.2 HISTORICAL SOURCE SUMMARY

SLR reviewed historical records to identify historical activities likely to represent an AOC and/or REC to the Site. No RECs were identified at the Site during review of historical sources. Documentation for this section is provided in Appendix D.

Year(s)	Description	Source(s)
1890s	*Site:* The Site is depicted as undeveloped land. It is noted that the Cornwall and Goshen town line is shown crossing through the central portion of the Site as opposed to its existing configuration where the town border is located to the west of the Project Area.	Topos (1892, 1893)
	Surrounding Properties: The surrounding area to the southeast appears to be sparsely residentially developed.	
1900s	*Site:* No significant changes from the 1892 and 1893 topographic maps	Topos (1903, 1904)
	Surrounding Properties: No significant changes from the 1892 and 1893 topographic maps	
1910s, 1920s	The Site is not presented for review in any of the available historical sources during this time frame.	--
1930s	*Site:* The Site is wooded and vacant.	Aerial (1934)
	Surrounding Properties: The southeast and southern adjacent properties are both developed with cultivated fields and barn and/or dwelling structures. To the southeast of the Project Area, there appears to be additional cultivated fields and a small pond in the southern central portion of the 129 Bartholomew Hill Road property. Development in the vicinity is limited to the east, southeast, and far south.	
1940s	*Site:* No significant changes from the 1934 aerial photograph except for an additional cultivated area shown along the entire eastern side of the Site. By 1944, the cultivated field area expanded to cover the entire north end of the Site as well as the eastern side.	Aerials (1941, 1944)
	Surrounding Properties: No significant changes from the 1934 aerial photograph, except that the pond to the south is no longer present.	

Year(s)	Description	Source(s)
1950s	*Site:* Bartholomew Hill Road is visible south of the Site, and the 129 Bartholomew Hill Road parcel boundary appears as it exists currently (in the topographic maps), with the Cornwall and Goshen town line along the Site's western border. The 1956 topographic map shows the 129 Bartholomew Hill Road property with what appears to be five temporary subdivision lines. This is reflected in the aerial imagery from this decade as the individual cultivated fields in the east and north portions appear to coincide with the subdivision borders shown in the topographic maps.	Aerials (1951, 1958) Topos (1950, 1951, 1956)
	Surrounding Properties: The surrounding properties appear similar to previous maps.	
1960s	*Site:* The Site appears similar in the 1969 topographic map to what is shown in the 1950-decade maps. Also, the aerial imagery from this decade is similar to the previous maps except for the addition of the residential structure visible on the southern portion.	Aerials (1960, 1969), Topo (1969)
	Surrounding Properties: The surrounding properties appear similar to the previous maps.	
1970s	*Site:* The Site does not appear significantly different from the previous aerial photo.	Aerials (1970, 1974)
	Surrounding Properties: No significant changes	
1980s	*Site:* The Project Area does not appear different from the previous aerial photos.	Aerials (1985, 1989); Topo (1984)
	Surrounding Properties: No significant change since the previous historical source except for a structure appearing on the east-adjacent property where the existing airport is located.	
1990s	*Site:* The Site appears similar to its current configuration.	Aerials (1990, 1991, 1996)
	Surrounding Properties: No significant changes from the previous sources other than the appearance of the airport landing strip in the 1996 aerial image.	
2000s	*Site:* The Site appears similar to its current configuration.	Aerials (2005, 2008)
	Surrounding Properties: No significant changes	
2010s - present	*Site:* The Site appears as its existing configuration.	Aerials (2012, 2016); Topo (2012)
	Surrounding Properties: No significant changes are noted.	

3.3.3 SITE RECORDED LAND TITLE RECORDS

Recorded land title records were not reviewed.

3.4 PRIOR REPORTS

No prior environmental reports were provided to SLR for review; however, information on the proposed development of a portion of the 129 Bartholomew Hill Road property as a photovoltaic solar array facility per Greenskies was provided.

The proposed photovoltaic solar facility is within the north and east portions of the property. The proposed solar array will cover approximately 12 acres and is to be constructed within the footprint of existing agricultural fields on site. The facility will consist of 11,410 panels with ten-foot spacing between rows for a total system size of 5.42/4.0 MW (DC/AC). The panel array will be enclosed by a single fence around the perimeter. A 15-foot gravel access road lined by an interconnection path is proposed to extend approximately 0.44 mile from the existing entranceway off Bartholomew Hill Road to the northern portion of the facility.

A March 24, 2021, Proposed Concept Plan composed by SLR shows the proposed solar panel installation extent at the Site and is included with Appendix E.

3.5 PHYSICAL SETTING

Topography:	Site topography is mounded with high peaks in the northern portion at approximately 1,600 feet above mean sea level (ft amsl) to a low elevation of approximately 1,530 ft amsl in the southeast corner. In general, the Site slopes downward toward the south. The nearest surface waterbody is an unnamed stream that flows southerly from the south boundary of the 129 Bartholomew Hill Road southern boundary into Tyler Lake (aka West Side Pond) located approximately 4,500 feet to the south.
Soil/Bedrock Data:	According to CTECO, surficial soils at the Site generally consist of fine sandy loam with a parent material of Melt-out Till. According to the Bedrock Geologic Map of Connecticut (1985), the geological formation underlying the Site is the Manhattan Schist. This formation is described as dark-gray-to-silvery, rusty-weathering, coarse-grained schistose gneiss.
Estimated Depth to Groundwater/ Direction of Gradient:	According to CTECO, groundwater quality beneath the Site is classified as "GA" and "GAA." GA/GAA groundwater areas are generally defined by the CTDEEP as areas within an existing or a potential public supply of water suitable for drinking without treatment. The nearest Aquifer Protection Area (APA) is the regulated Goshen APA. According to CTECO, this APA is located approximately 4.5 miles southeast of the Site. The inferred direction of groundwater flow follows Site topography and would generally be toward the south.

4. INTERVIEWS

4.1 FINDINGS FROM INTERVIEW WITH OWNER'S REPRESENTATIVE

Name, Title, Years Familiar with Site:	Mr. Joseph Harnett, Site owner since 1979
Current Use of Site:	The Site is used for agricultural purposes.
Past Use(s) of Site:	The owner did not provide any information on the past uses other than cultivated fields. See Section 3.3 for details on past Site use.
Current Use of Surrounding Properties:	The owner did not provide any information on the current uses of surrounding properties. See Section 3.3.2 for details on uses of surrounding properties.
Past Use(s) of Surrounding Properties:	The owner did not provide any information on the past uses of surrounding properties. See Section 3.3.2 for details on past uses of surrounding properties.
Current or Past Hazardous/ Petroleum Material Use, Storage, Disposal:	The owner indicated that no hazardous/petroleum materials were used and/or stored within the Project Area.
Current or Past Regulatory Action(s):	Not aware of any current or past regulatory actions
Past Releases of Hazardous/ Petroleum Materials on the Property:	The owner indicated there were no releases of hazardous/petroleum materials on the property to his knowledge.

4.2 REQUIRED QUESTIONS

SLR interviewed the owner regarding awareness of any pending, threatened, or past incidences of the following:

Interview Questions	Owner/Operator
Litigation Relevant to Hazardous Substances or Petroleum Products in, on, or from the Site?	None
Administrative Proceedings Relevant to Hazardous Substances or Petroleum Products in, on, or from the Site?	None
Notices from Any Governmental Entity Regarding Possible Violations of Environmental Laws or Possible Liability Relating to Hazardous Substances?	None

4.3 FINDINGS FROM INTERVIEW WITH MAJOR OCCUPANTS

The Site currently has no other occupants. The owner indicated that there used to be a tenant that resided in a mobile home located west of the Project Area. The owner stated that there were no sanitary or water connections to the mobile home and that electricity was provided via a generator that was formerly present in the area. The mobile home unit appeared to be the only feature that was present in the area at the time of the Site visit.

4.4 SUMMARY OF FINDINGS FROM INTERVIEW

Findings from the interview with the owner were generally consistent with information from other sources. SLR did not identify evidence of RECs in connection with interviews.

5. SIGNIFICANT DATA GAPS

Data gaps are a lack of or inability to obtain information required by the ASTM E1527 Practice despite good faith efforts by the *environmental professional* to gather such information. Data gaps may have resulted from incompleteness in any of the activities required in the Practice, including but not limited to the Site reconnaissance, records review, or interviews. The presence of a data gap may or may not present a *REC* due to the possibility that a *REC* could be discovered if the missing information is obtained.

5.1 SIGNIFICANT DATA GAPS

SLR was limited in reviewing regulatory agency documentation from the CTDEEP as public access to the File Room is currently only available via appointment. As of April 1, 2021, appointments are not available until July 2021. This is a significant delay in obtaining what could be pertinent information and extends beyond the time frame in which this report will be completed. SLR was only able to review existing electronically scanned agency files that were available via the CTDOSP.

This data gap is not deemed significant enough to alter the conclusions drawn in this report.

No other significant data gaps were encountered that are expected to affect the findings of this report.

5.2 ADDITIONAL INVESTIGATION

No additional investigations were conducted as part of this Phase I ESA.

6. CONCLUSIONS

This section summarizes the conclusions drawn based on the review of available Site documentation and the observations made during the Site visit.

AREAS OF CONCERN

This assessment has revealed the following AOC associated with the Site (see Figure 2):

Due to the nature of farming operations historically conducted at the Site, there is potential for pesticides, herbicides, and/or fungicides to exist in the soils within the cultivated areas (the north and east portions) of the Site. These portions of the Site have been cultivated since at least the early 1940s and include the area of the proposed solar array (see Figure 2).

DE MINIMIS CONDITIONS

This assessment has revealed no *de minimis* conditions in connection with the Site.

SIGNIFICANT DATA GAPS

SLR was limited in reviewing regulatory agency documentation from the CTDEEP as public access to the File Room is currently only available via appointment, and as of April 1, 2021, appointments are not available until July 2021. This is a significant delay in obtaining what could be pertinent information and extends beyond the time frame in which this report will be completed. SLR was only able to review existing electronically scanned agency files that were available via the CTDOSP.

This data gap is not deemed significant enough to alter the conclusions drawn in this report.

No other significant data gaps were encountered that are expected to affect the findings of this report.

CONNECTICUT TRANSFER ACT

Based on a review of the information obtained during the course of this assessment, the Site does not appear to match the definition of an Establishment. SLR recommends that the Client engage with legal counsel familiar with the CTA on the matter.

145.16763.00011.0040.m521.rpt.docx

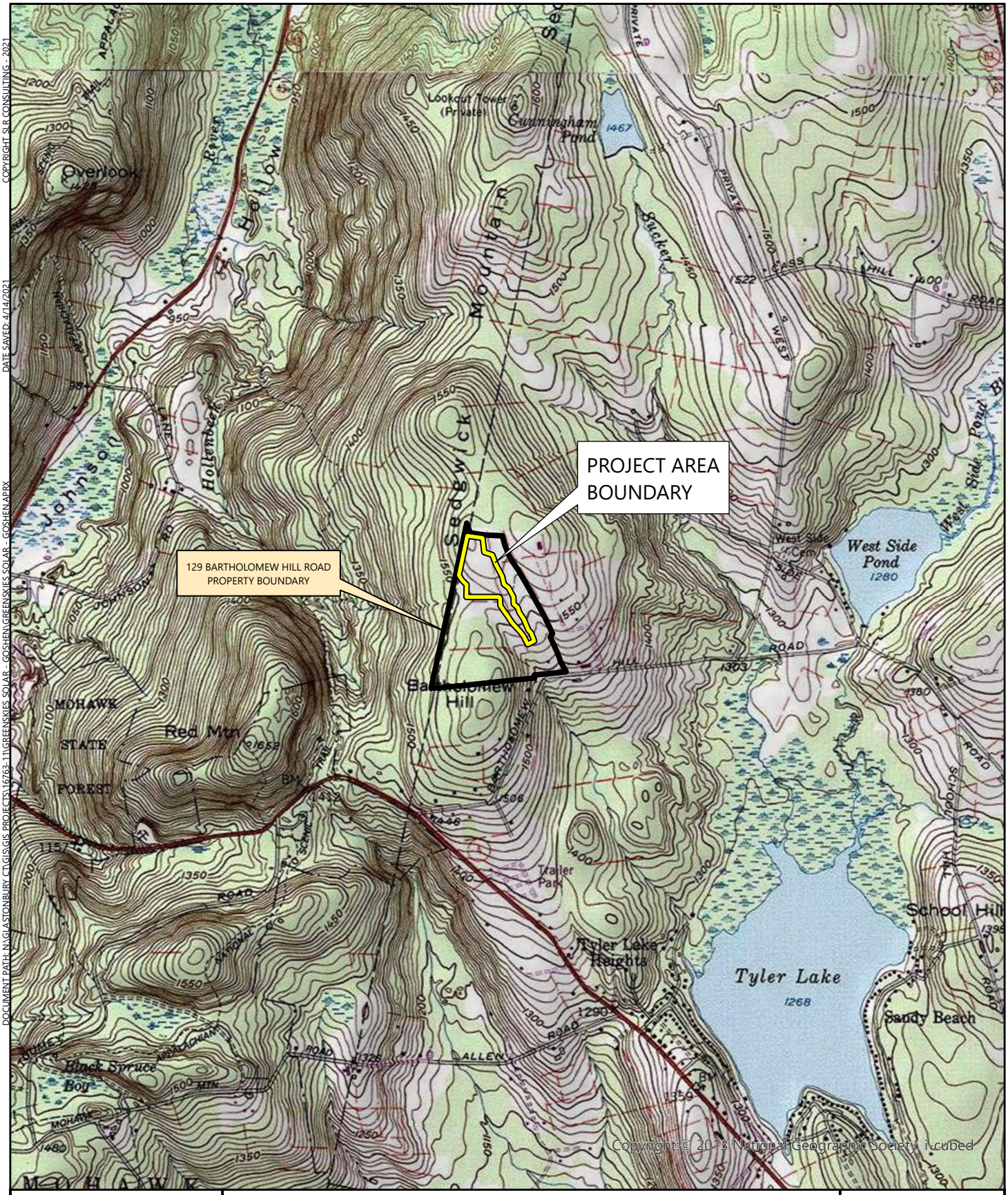
APPENDIX A

FIGURES

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021



DATE SAVED: 4/14/2021

DOCUMENT PATH: N:\GLASTONBURY_CT\GIS\GIS PROJECTS\16763-11\GREENSKIES SOLAR - GOSHEN\GREENSKIES SOLAR - GOSHEN.APRX

SLR
45 GLASTONBURY BLVD
GLASTONBURY, CT 06033
860.400.5680

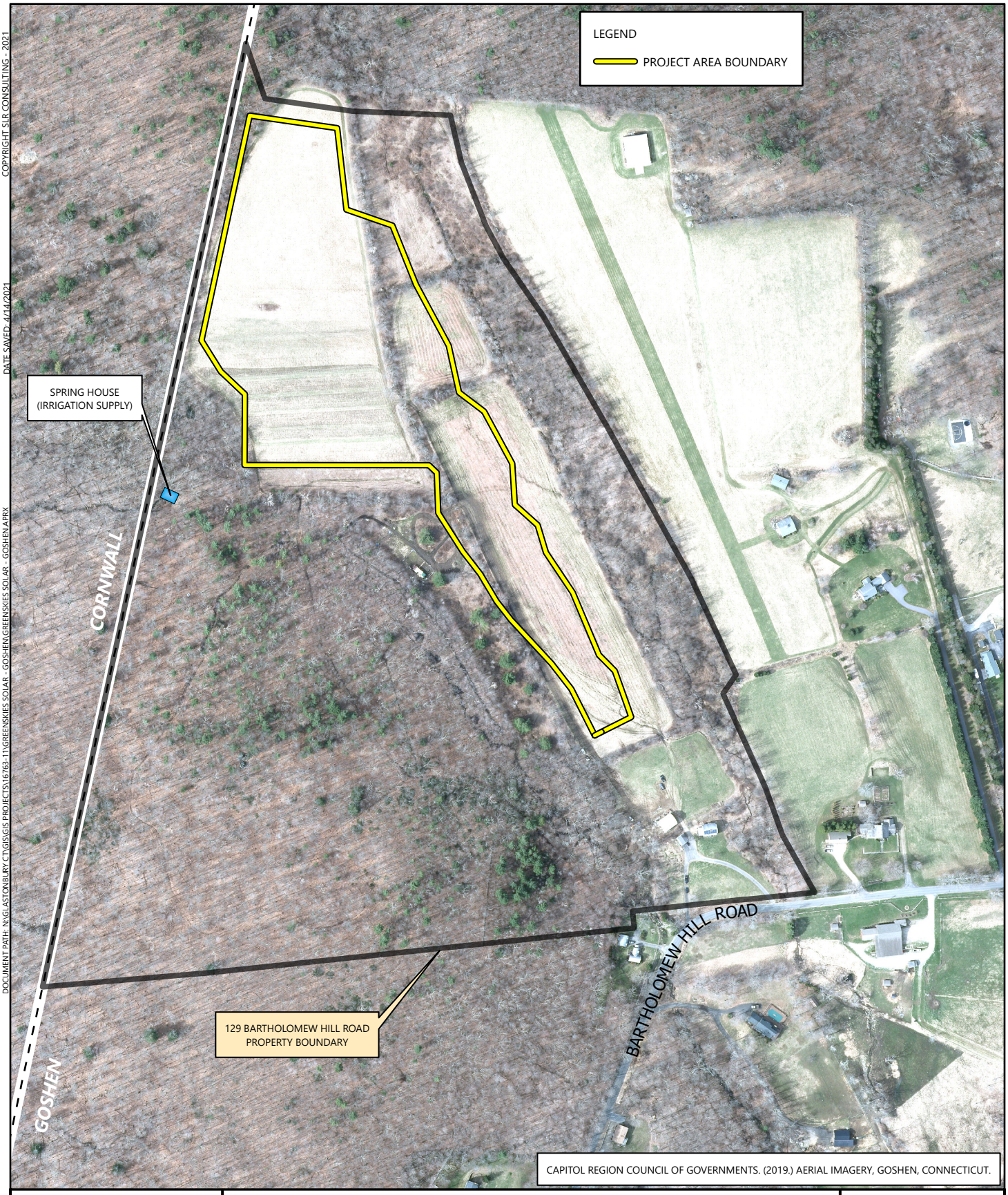
SITE LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
GREENSKIES RENEWABLE ENERGY, LLC
129 BARTHOLOMEW HILL ROAD
GOSHEN, CONNECTICUT

N
0 1,000
Feet

SCALE	1:24,000
DATE	4/14/2021
PROJ. NO.	16763.00011.0040

FIG. 1



DATE SAVED: 4/14/2021

DOCUMENT PATH: N:\GLASTONBURY CT\GIS\GIS PROJECTS\16763-11\GREENSKIES SOLAR - GOSHEN GREENSKIES SOLAR - GOSHEN.APRX

SLR

45 GLASTONBURY BLVD
GLASTONBURY, CT 06033
860.400.5680

SITE FEATURES

PHASE I ENVIRONMENTAL SITE ASSESSMENT
GREENSKIES RENEWABLE ENERGY, LLC
129 BARTHOLOMEW HILL ROAD
GOSHEN, CONNECTICUT

N

0 350
Feet

SCALE	1:4,200
DATE	4/14/2021
PROJ. NO.	16763.00011.0040

FIG. 2

APPENDIX B

SITE PHOTOGRAPHS

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
Greenskies Renewable Energy, LLC	129 Bartholomew Hill Road, Goshen, Connecticut	145.16763.00011.0040

Photo No.	Date:
1	12/14/2020

Direction Photo Taken:
Northwest

Description:
Typical view of Project Area showing agricultural field. Photo taken by SLR during a previous Site visit (December 2020).

Photo No.	Date:
2	04/06/2021

Direction Photo Taken:
West

Description:
Typical view of the surficial soil profile underlying the agricultural field area.

AOC – potential for soil to contain residual pesticides, herbicides, and/or fungicides based on long-term cultivated use.

APPENDIX C

EDR DATABASE REPORT

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

Greenskies Goshen PV Solar Facility
129 Bartholomew Hill Rd
Goshen, CT 06756

Inquiry Number: 6432454.2s
April 01, 2021

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 (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

129 BARTHOLOMEW HILL RD
GOSHEN, CT 06756

COORDINATES

Latitude (North):	41.8523090 - 41° 51' 8.31''
Longitude (West):	73.2782280 - 73° 16' 41.62''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	642928.6
UTM Y (Meters):	4634598.5
Elevation:	1552 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641947 CORNWALL, CT
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140717
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
129 BARTHOLOMEW HILL RD
GOSHEN, CT 06756

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

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

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

State- and tribal - equivalent CERCLIS

SHWS..... Inventory of Hazardous Disposal Sites
SDADB..... Site Discovery and Assessment Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... List of Landfills/Transfer Stations

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank List
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Data
AST..... Marine Terminals and Tank Information
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Listing
AUL..... ELUR Sites

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Remediation Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory

IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
CDL - Clandestine Drug Lab Listing
US CDL - National Clandestine Laboratory Register

Local Land Records

CT PROPERTY - Property Transfer Filings
LIENS - Environmental Liens Listing
LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
SPILLS - Oil & Chemical Spill Database
SPILLS 90 - SPILLS 90 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
ABANDONED MINES - Abandoned Mines

FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
ECHO Enforcement & Compliance History Information
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
AIRS Permitted Air Sources Listing
ASBESTOS Asbestos Notification Listing
CPCS Contaminated or Potentially Contaminated Sites
DRYCLEANERS Drycleaner Facilities
ENF Enforcement Case Listing
Financial Assurance Financial Assurance Information Listing
LEAD Lead Inspection Database
LWDS Connecticut Leachate and Wastewater Discharge Sites
MANIFEST Hazardous Waste Manifest Data
NPDES Wastewater Permit Listing
SEH List of Significant Environmental Hazards Report to DEEP
UIC Underground Injection Control Listing
MINES MRDS Mineral Resources Data System

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

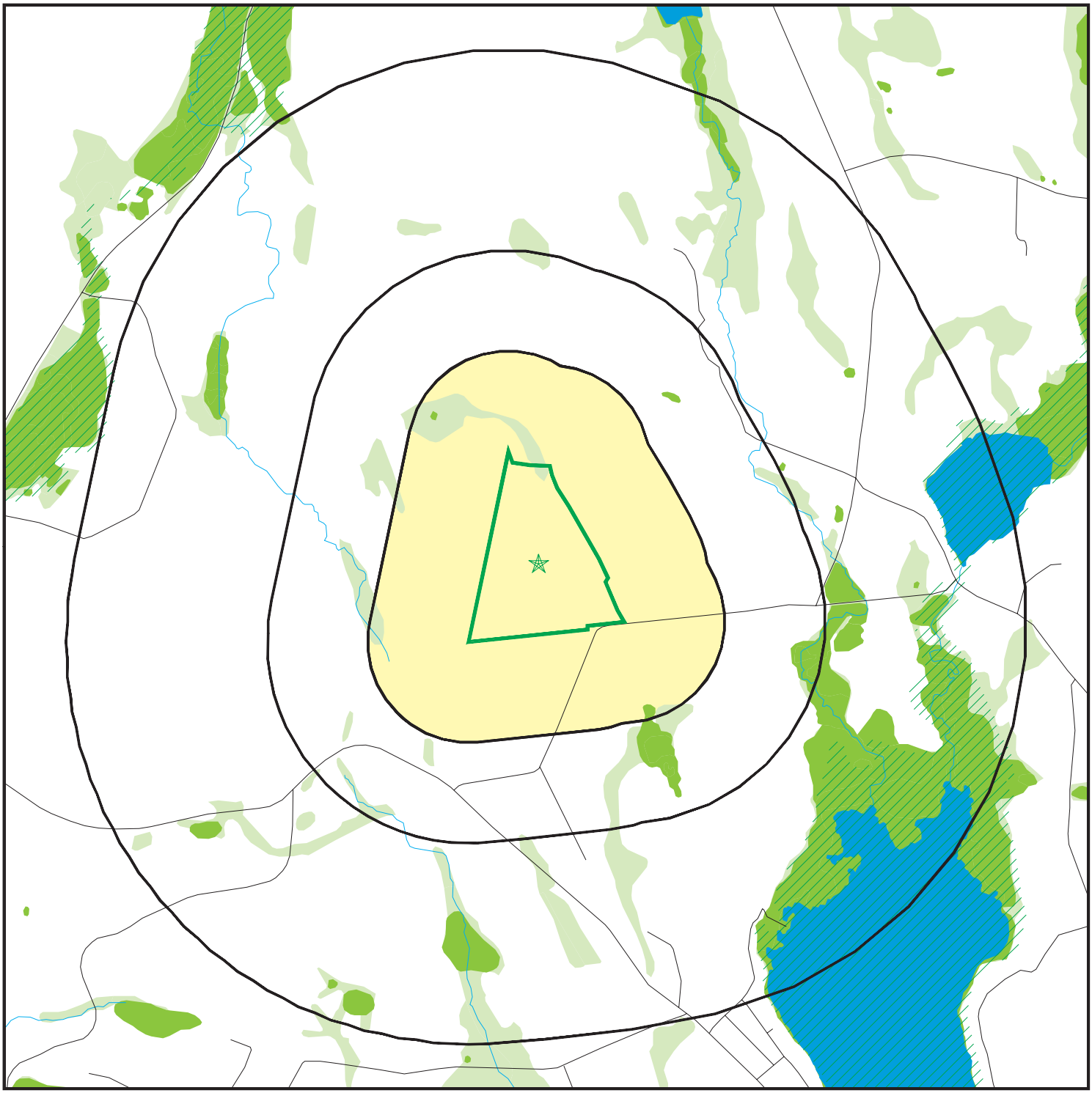
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6432454.2S



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

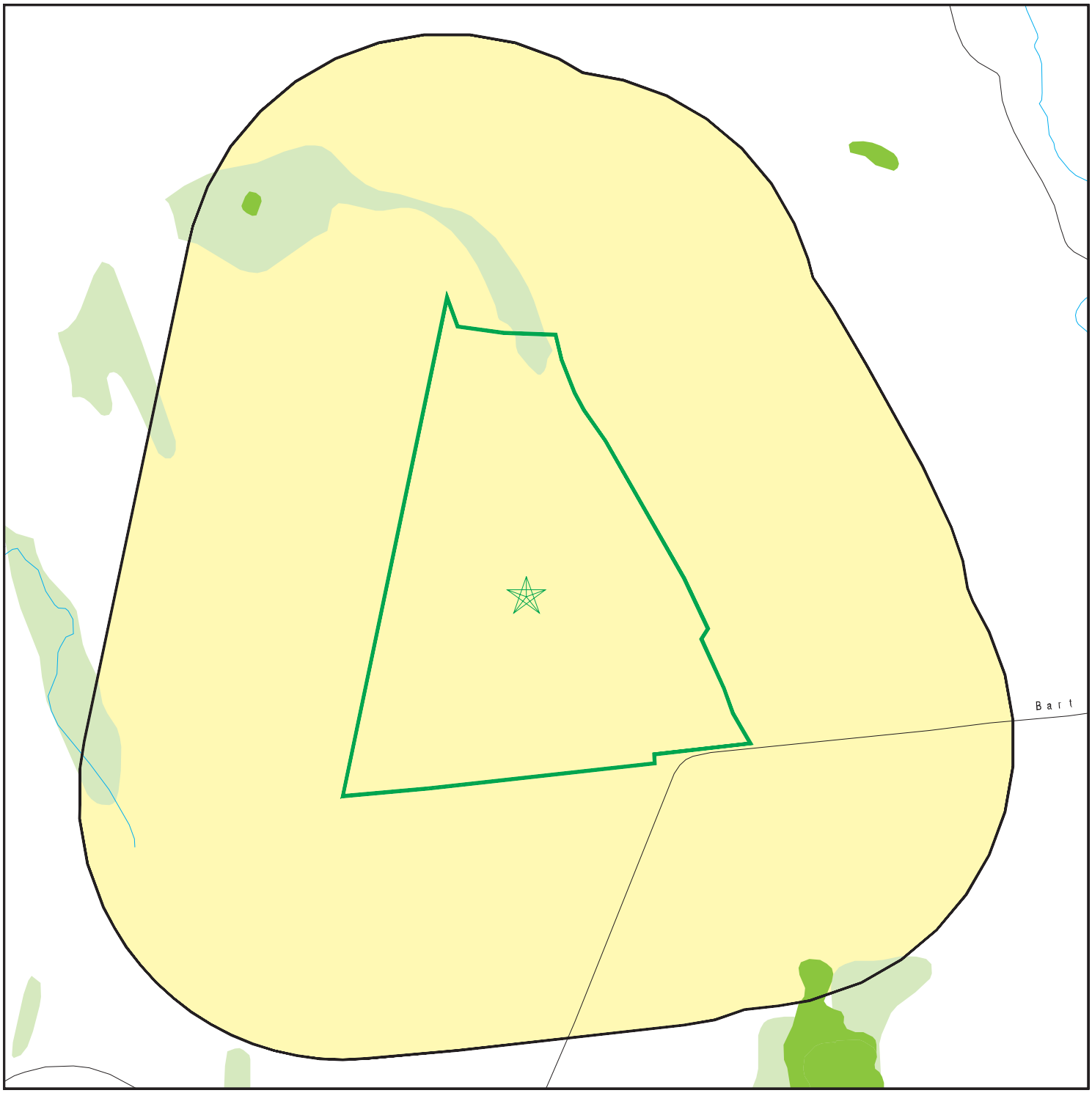
State Wetlands

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:	Greenskies Goshen PV Solar Facility	CLIENT:	SLR
ADDRESS:	129 Bartholomew Hill Rd Goshen CT 06756	CONTACT:	Emily Allison
LAT/LONG:	41.852309 / 73.278228	INQUIRY #:	6432454.2s
		DATE:	April 01, 2021 4:10 pm

DETAIL MAP - 6432454.2S



0 1/8 1/4 1/2 Miles

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

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:	Greenskies Goshen PV Solar Facility	CLIENT:	SLR
ADDRESS:	129 Bartholomew Hill Rd Goshen CT 06756	CONTACT:	Emily Allison
		INQUIRY #:	6432454.2s
LAT/LONG:	41.852309 / 73.278228	DATE:	April 01, 2021 4:11 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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
SDADB	0.500		0	0	0	NR	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	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	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								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields 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								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
CT PROPERTY	TP		NR	NR	NR	NR	NR	0
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
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	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
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	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
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
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
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
CPCS	0.500		0	0	0	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
LEAD	TP		NR	NR	NR	NR	NR	0
LWDS	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
SEH	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	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

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
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	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

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

Federal NPL site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
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 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
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

Federal Delisted NPL site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

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: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inventory of Hazardous Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/23/2010
Date Data Arrived at EDR: 04/23/2010
Date Made Active in Reports: 05/25/2010
Number of Days to Update: 32

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

SDADB: Site Discovery and Assessment Database

All sites reported to Permitting, Enforcement, and Remediation Division where it is suspected that hazardous waste may have been disposed or sites that are eligible for listing on the State Inventory of Hazardous Waste Disposal Sites.

Date of Government Version: 04/23/2010
Date Data Arrived at EDR: 04/23/2010
Date Made Active in Reports: 05/25/2010
Number of Days to Update: 32

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Landfills/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: 10/01/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/08/2021
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3366
Last EDR Contact: 01/22/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/21/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 01/14/2021
Number of Days to Update: 23

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

UST: Underground Storage Tank Data
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: 11/16/2020
Date Data Arrived at EDR: 11/19/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 81
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

AST: Marine Terminals and Tank Information
A listing of bulk petroleum facilities that receive petroleum by a vessel.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/13/2020
Number of Days to Update: 75
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3233
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Listing

An Engineered Control is a permanent physical structure designed to safely isolate pollutants which would otherwise not comply with the self-implementing remedial options allowed in the Connecticut Remediation Standard Regulations (RSRs). The ECGD includes a description of what is eligible to be considered as an Engineered Control under section 22a-133k-2(f)(2) of the RSRs, a description of the information necessary for the preparation of complete and approvable applications, a step-by-step outline of the review and approval process, and supplemental resources provided in the appendices.

Date of Government Version: 11/25/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 02/10/2021
Number of Days to Update: 72

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3000
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

AUL: ELUR Sites

Environmental Land Use Restriction sites.

Date of Government Version: 08/14/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/10/2020
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3912
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 08/14/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/10/2020
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
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: 03/22/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

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: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Inventory

CBRA has identified over 200 brownfield sites eligible for redevelopment. In most cases these are prime properties for commercial or industrial use. CBRA's grants, assistance and financing lower the financial risks and eliminate the legal, regulatory and environmental risks of redevelopment.

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 12/14/2020
Date Made Active in Reports: 03/03/2021
Number of Days to Update: 79

Source: Connecticut Brownfields Redevelopment Authority
Telephone: 860-258-7833
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: No Update Planned

BROWNFIELDS 2: Brownfields Inventory

A brownfield site is generally defined as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminanta?|"

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 09/20/2017
Date Made Active in Reports: 09/26/2017
Number of Days to Update: 6

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

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: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/16/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities.

Date of Government Version: 09/03/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3223
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

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: 01/25/2021
Next Scheduled EDR Contact: 05/10/2021
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: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations included in the Spills database.

Date of Government Version: 12/22/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/15/2021
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3361
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

Local Land Records

CT PROPERTY: Property Transfer Filings

A listing of sites that meet the definition of a hazardous waste establishment. They can be generators, dry cleaners, furniture strippers, etc. These sites have been sold to another owner.

Date of Government Version: 08/14/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/10/2020
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Semi-Annually

LIENS: Environmental Liens Listing

A listing of environmental liens placed by the Cost Recovery Program.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3120
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
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: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

SPILLS: Oil & Chemical Spill Database

Oil and Chemical Spill Data.

Date of Government Version: 12/22/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/15/2021
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3024
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

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: 10/15/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 09/29/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Semi-Annually

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: 01/07/2021
Next Scheduled EDR Contact: 04/19/2021
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/24/2021
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: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

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: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

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: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
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: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 06/14/2021
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: 11/02/2020
Date Data Arrived at EDR: 11/12/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/11/2021
Next Scheduled EDR Contact: 05/17/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
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: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/05/2021
Next Scheduled EDR Contact: 06/14/2021
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: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
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: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
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: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
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: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
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: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
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: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
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: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
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: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
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: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

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: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
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: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/10/2021
Next Scheduled EDR Contact: 06/21/2021
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: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

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: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

AIRS: Permitted Air Sources Listing

A listing of permitted air sources in Connecticut.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/19/2021
Number of Days to Update: 8

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3026
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

A listing of asbestos notification site locations.

Date of Government Version: 10/30/2020
Date Data Arrived at EDR: 11/04/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 82

Source: Department of Public Health
Telephone: 860-509-7371
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

CPCS: Contaminated or Potentially Contaminated Sites

A list of Contaminated or Potentially Contaminated Sites within Connecticut. This list represents the "Hazardous Waste Facilities," as defined in Section 22a-134f of the Connecticut General Statutes (CGS). The list contains the following types of sites: Sites listed on the Inventory of Hazardous Waste Disposal Sites; Sites subject to the Property Transfer Act; Sites at which underground storage tanks are known to have leaked; Sites at which hazardous waste subject to the RCRA; Sites that are included in EPA's (CERCLIS); Sites that are the subject of an order issued by the Commissioner of DEP that requires investigation and remediation of a potential or known source of pollution; and Sites that have entered into one of the Department's Voluntary Remediation Programs.

Date of Government Version: 08/14/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/10/2020
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3766
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaner Facilities

A listing of drycleaner facility locations.

Date of Government Version: 07/18/2008
Date Data Arrived at EDR: 08/08/2008
Date Made Active in Reports: 08/27/2008
Number of Days to Update: 19

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3026
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Case Listing

The types of enforcement actions included are administrative consent orders, final unilateral orders and final dispositions of civil cases through the Attorney General's Office.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3265
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing containing RCRA financial assurance information submitted on behalf of the CT DEP's Program Analysis Group of the Waste Engineering and Enforcement Division.

Date of Government Version: 12/10/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 59

Source: Department of Energy & Environmental Protection
Telephone: 860-418-5930
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance 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: 12/10/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 60

Source: Department of Energy & Environmental Protection
Telephone: 860-418-5930
Last EDR Contact: 03/12/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

LEAD: Lead Inspection Database

The Lead Poisoning Prevention and Control Program lead inspection database.

Date of Government Version: 03/26/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 05/08/2014
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 860-509-7299
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

LWDS: Connecticut Leachate and Wastewater Discharge Sites

The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

Date of Government Version: 07/17/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 9

Source: Department of Energy & Environmental Protection
Telephone: N/A
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

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: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: No Update Planned

NPDES: Wastewater Permit Listing

A listing of permits issued by the DEP.

Date of Government Version: 06/18/2020
Date Data Arrived at EDR: 06/19/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 77

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3832
Last EDR Contact: 03/26/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

SEH: List of Significant Environmental Hazards Report to DEEP

The Significant Environmental Hazard Statute is intended to identify and abate short-term risks associated with specific environmental conditions identified in the statute. After abatement of short-term risks (meaning abatement of the significant environmental hazard condition), there may still be potential long-term risks associated with the release. However, a significant environmental hazard can be considered abated under the statute even though potential long-term risks may not have been addressed.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/08/2021
Number of Days to Update: 81

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3766
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Listing

A list of of subsurface disposal permits and their locations.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3058
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 05/03/2021
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: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

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: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

COI: Completion of Investigation
The COI must be signed and submitted by the Certifying Party to document that the investigation of the parcel has been completed in accordance with CGS Section 22a-134a(g)(1).

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 05/18/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3000
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 07/05/2021
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 Energy & Environmental Protection formerly know as the DEP which changes in July 2011 in Connecticut.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Energy & 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 Energy & Environmental Protection formerly know as the DEP which changes in July 2011 in Connecticut.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Energy & 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.

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: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
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: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
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: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
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: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Daycare Centers: Licensed Child Care Facilities
Source: Department of Public Health
Telephone: 860-509-8045

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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Tidal Wetlands
Source: Department of Energy & Environmental Protection
Telephone: 860-424-4054

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GREENSKIES GOSHEN PV SOLAR FACILITY
129 BARTHOLOMEW HILL RD
GOSHEN, CT 06756

TARGET PROPERTY COORDINATES

Latitude (North):	41.852309 - 41° 51' 8.31''
Longitude (West):	73.278228 - 73° 16' 41.62''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	642928.6
UTM Y (Meters):	4634598.5
Elevation:	1552 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641947 CORNWALL, CT
Version Date:	2012

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).

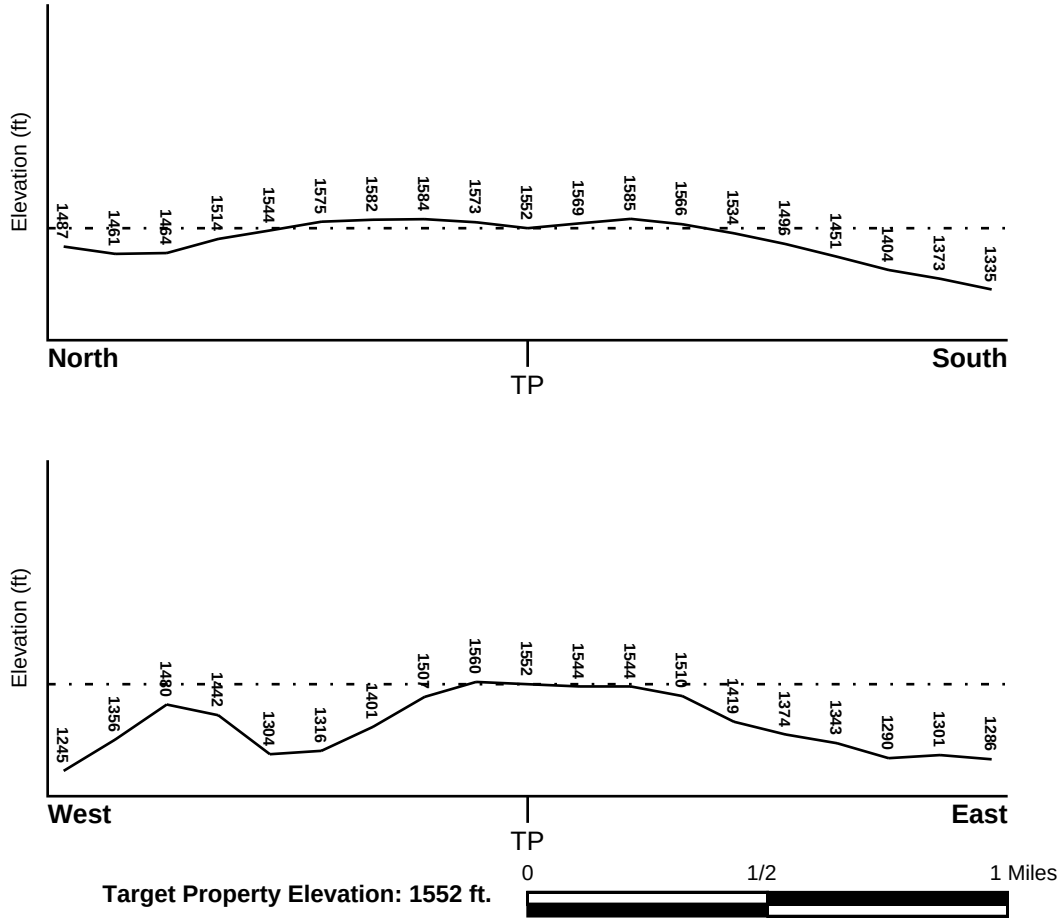
TOPOGRAPHIC INFORMATION

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 West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1552 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
0901770005A	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
0900450009A	FEMA Q3 Flood data
0900450020A	FEMA Q3 Flood data
0901770015A	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CORNWALL	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.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

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

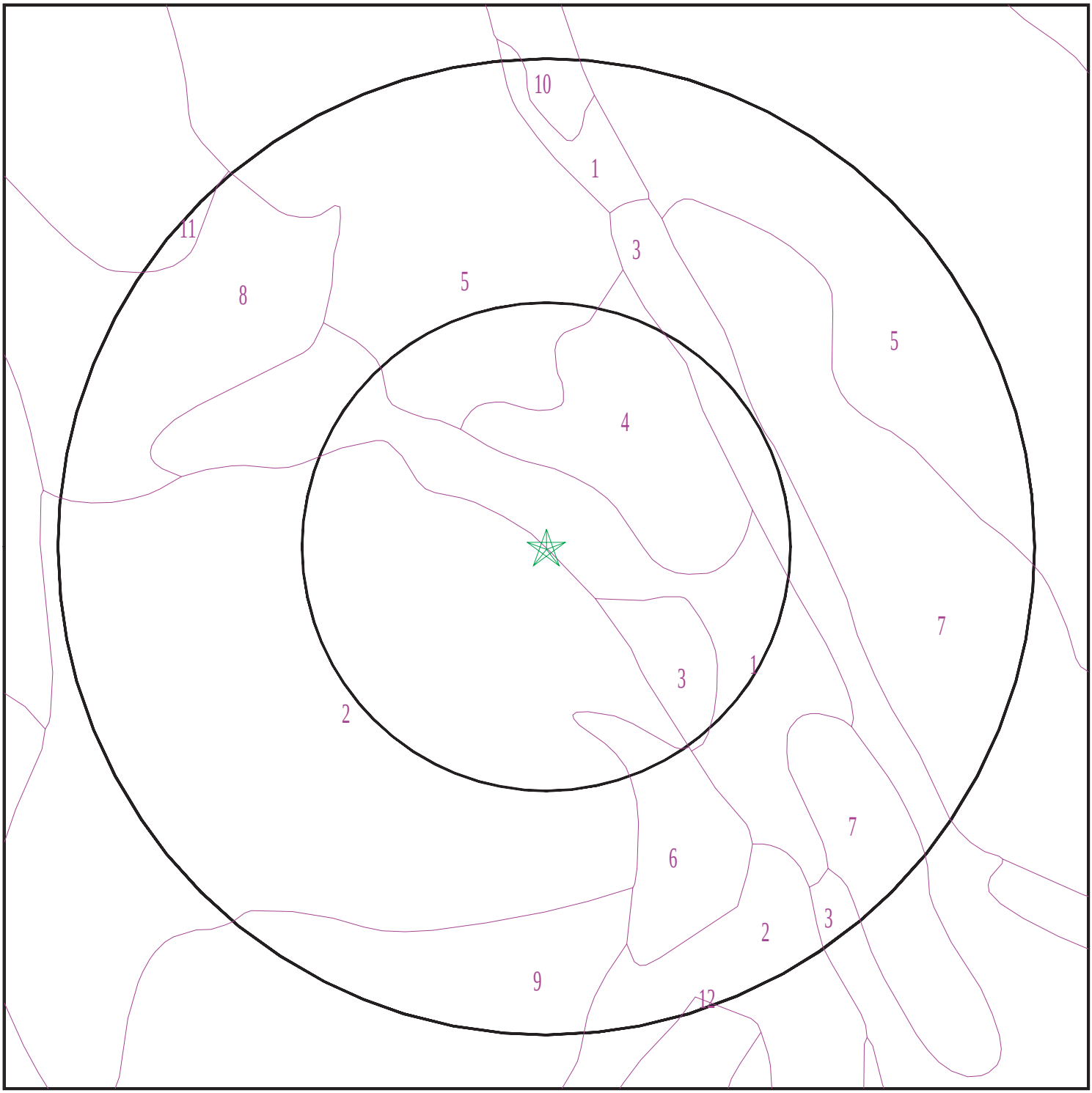
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified 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 - 6432454.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Greenskies Goshen PV Solar Facility	CLIENT:	SLR
ADDRESS:	129 Bartholomew Hill Rd Goshen CT 06756	CONTACT:	Emily Allison
		INQUIRY #:	6432454.2s
LAT/LONG:	41.852309 / 73.278228	DATE:	April 01, 2021 4:12 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: Schroon

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 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	1 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	1 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	1 inches	3 inches	highly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	3 inches	9 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	9 inches	14 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
6	14 inches	23 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
7	23 inches	30 inches	sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 2

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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: Moderate

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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Schroon

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 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	1 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	1 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	1 inches	3 inches	highly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	3 inches	9 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	9 inches	14 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
6	14 inches	23 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
7	23 inches	30 inches	sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Schroon

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 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	1 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	1 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	1 inches	3 inches	highly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	3 inches	9 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	9 inches	14 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
6	14 inches	23 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
7	23 inches	30 inches	sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 79 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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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: Moderate

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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Shelburne

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 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	0 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1
2	0 inches	1 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	1 inches	7 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1
4	7 inches	20 inches	gravelly fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1
5	20 inches	26 inches	bouldery fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1
6	26 inches	31 inches	gravelly fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1
7	31 inches	42 inches	fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.01	Max: 6 Min: 5.1

Soil Map ID: 9

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 10

Soil Component Name: Brayton

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 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	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
2	1 inches	9 inches	loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
3	9 inches	16 inches	gravelly sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
4	16 inches	22 inches	gravelly sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
5	27 inches	42 inches	gravelly sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
6	42 inches	64 inches	gravelly sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
7	22 inches	27 inches	sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 11

Soil Component Name: Ashfield

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5
2	0 inches	1 inches	moderately decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5
3	1 inches	2 inches	highly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	2 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5
5	7 inches	12 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5
6	12 inches	18 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5
7	18 inches	24 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.5

Soil Map ID: 12

Soil Component Name: Bice

Soil Surface Texture: slightly decomposed plant material

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	0 inches	slightly decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	0 inches	7 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	7 inches	16 inches	fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	16 inches	24 inches	gravelly fine sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	24 inches	59 inches	gravelly sandy loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

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	USGS40000229172	1/4 - 1/2 Mile South

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

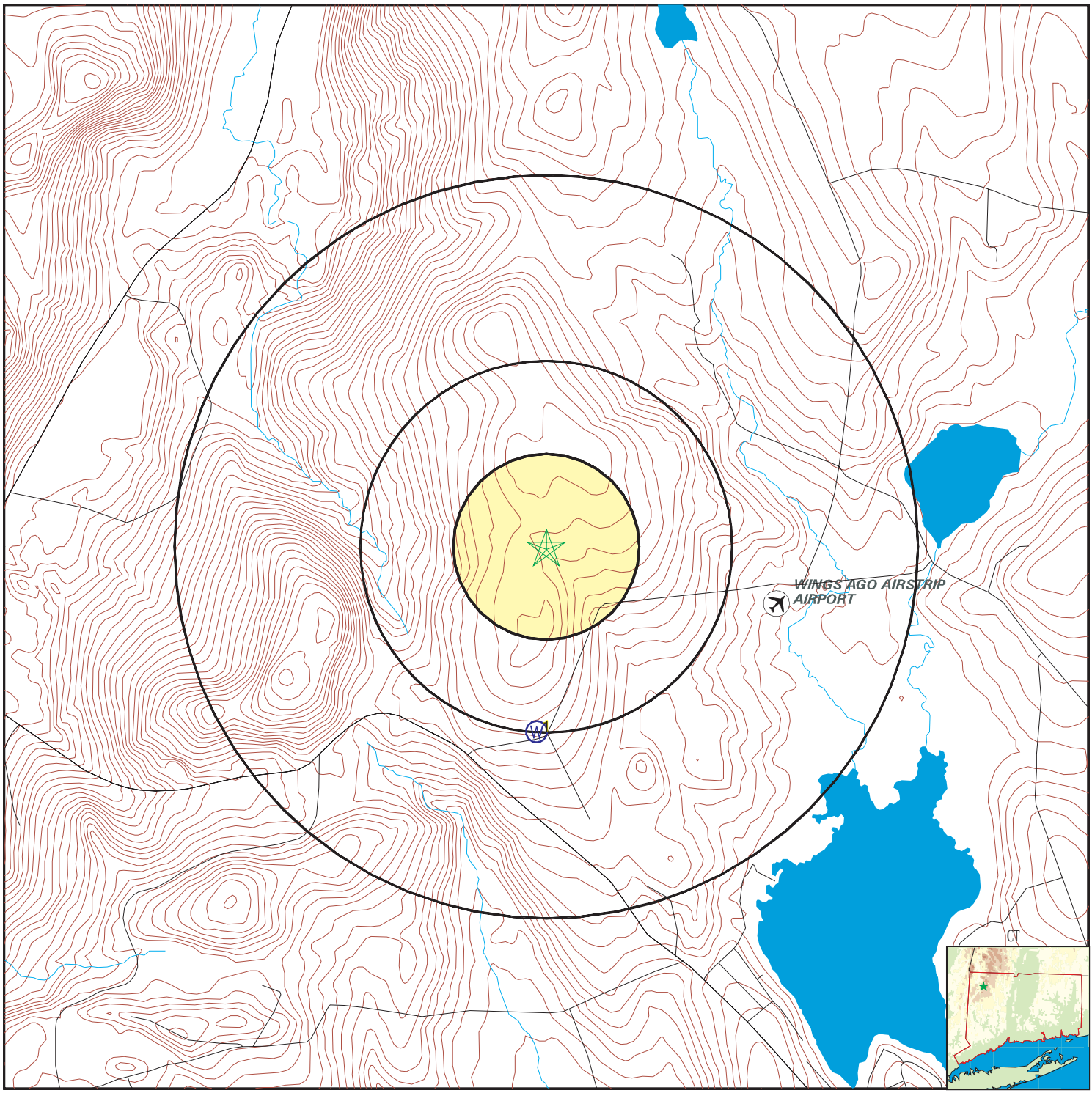
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6432454.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- EPA Designated Sole Src. Aq.

N

SITE NAME:	Greenskies Goshen PV Solar Facility	CLIENT:	SLR
ADDRESS:	129 Bartholomew Hill Rd Goshen CT 06756	CONTACT:	Emily Allison
		INQUIRY #:	6432454.2s
LAT/LONG:	41.852309 / 73.278228	DATE:	April 01, 2021 4:11 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South **FED USGS** **USGS40000229172**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-GO 52	Type:	Well
Description:	Not Reported	HUC:	01100005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	New England crystalline-rock aquifers		
Formation Type:	Non-Carbonate Crystalline Bedrock		
Aquifer Type:	Not Reported	Construction Date:	1957
Well Depth:	125	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CT Radon

Radon Test Results

City	# Sites	< 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	20 < 50 Pci/L	50 < 100 Pci/L	> 100 Pci/L
Terryville	8	6 (75)	2 (25)	0 (0)	0 (0)	0 (0)	0 (0)
Thomaston	2	1 (50)	1 (50)	0 (0)	0 (0)	0 (0)	0 (0)
Torrington	124	97 (78.2)	19 (15.3)	6 (4.8)	4 (1.6)	0 (0)	0 (0)
Watertown	97	84 (86.6)	11 (11.3)	1 (1)	1 (1)	0 (0)	0 (0)
Winchester	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Winsted	4	3 (75)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Woodbury	111	79 (71.2)	20 (18)	8 (7.2)	4 (3.6)	0 (0)	0 (0)
Bantam	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bethlehem	105	75 (71.4)	23 (21.9)	6 (5.7)	1 (1)	0 (0)	0 (0)
Bridgewater	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Cornwall	4	4 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Goshen	102	80 (78.4)	19(18.6)	1 (1)	1 (1)	1 (1)	0 (0)
Harwinton	11	7 (63.6)	3 (27.3)	1 (9.)	0 (0)	0 (0)	0 (0)
Kent	75	47 (62.7)	20 (26.7)	8 (10.6)	0 (0)	0 (0)	0 (0)
Lakeville	3	1 (33.3)	2 (66.7)	0 (0)	0 (0)	0 (0)	0 (0)
Litchfield	7	7 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Morris	2	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
New Hartford	92	82 (89.1)	8 (8.7)	2 (2.2)	0 (0)	0 (0)	0 (0)
New Milford	13	10 (76.9)	2 (15.4)	1 (7.7)	0 (0)	0 (0)	0 (0)
Norfolk	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northfield	1	0 (0)	0 (0)	0 (0)	0 (0)	1 (100)	0 (0)
Roxbury	4	0 (0)	2 (50)	2 (50)	0 (0)	0 (0)	0 (0)
Salisbury	8	3 (37.5)	8 (62.5)	0 (0)	0 (0)	0 (0)	0 (0)
Sharon	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Federal EPA Radon Zone for LITCHFIELD 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: 06756

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	3.500 pCi/L	50%	50%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	7.800 pCi/L	50%	50%	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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Tidal Wetlands
Source: Department of Energy & Environmental Protection
Telephone: 860-424-4054

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

Community and Non-Community Water System Wells
Source: Department of Public Health, Water Supplies Section
Telephone: 860-509-7333
Active, emergency and inactive wells used for potable purposes that are owned and operated by active community and non-community water systems in Connecticut.

OTHER STATE DATABASE INFORMATION

Connecticut Leachate and Wastewater Discharge Sites
Source: Department of Environmental Protection
Telephone:
The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

EPA-Approved Sole Source Aquifers in Connecticut
Source: EPA
Telephone:
Sole source aquifers are defined as an aquifer designated 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 the area and for which there are no reasonable alternative sources should the aquifer become contaminated.

RADON

State Database: CT Radon
Source: Department of Public Health
Telephone: 860-509-7367
Radon Statistical Summary

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

APPENDIX D

HISTORICAL DOCUMENTATION

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

Greenskies Goshen PV Solar Facility

129 Bartholomew Hill Rd

Goshen, CT 06756

Inquiry Number: 6432454.4

April 01, 2021

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

04/01/21

Site Name:	Client Name:
Greenskies Goshen PV Solar F	SLR
129 Bartholomew Hill Rd	45 Glastonbury Boulevard
Goshen, CT 06756	Glastonbury, CT 06033
EDR Inquiry # 6432454.4	Contact: Emily Allison

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by SLR 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:		*Coordinates:*	
P.O.#	16763.00011	**Latitude:**	41.852309 41° 51' 8" North
Project:	Phase I ESA - 129 Bart. Hill	**Longitude:**	-73.278228 -73° 16' 42" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	642924.71
		UTM Y Meters:	4634811.53
		Elevation:	1551.80' above sea level

Maps Provided:

2012	1892
1984	
1969	
1956	
1950, 1951	
1904	
1903	
1893	

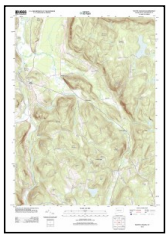
Topo Sheet Key

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

2012 Source Sheets

Norfolk
2012
7.5-minute, 24000

West Torrington
2012
7.5-minute, 24000



South Canaan
2012
7.5-minute, 24000

Cornwall
2012
7.5-minute, 24000

1984 Source Sheets

West Torrington
1984
7.5-minute, 24000
Aerial Photo Revised 1982

Cornwall
1984
7.5-minute, 24000
Aerial Photo Revised 1982

1969 Source Sheets

Norfolk
1969
7.5-minute, 24000
Aerial Photo Revised 1969

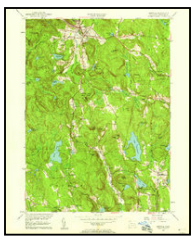
West Torrington
1969
7.5-minute, 24000
Aerial Photo Revised 1969

South Canaan
1969
7.5-minute, 24000
Aerial Photo Revised 1969

Cornwall
1969
7.5-minute, 24000
Aerial Photo Revised 1969

1956 Source Sheets

South Canaan
1956
7.5-minute, 24000
Aerial Photo Revised 1944



Norfolk
1956
7.5-minute, 24000
Aerial Photo Revised 1944

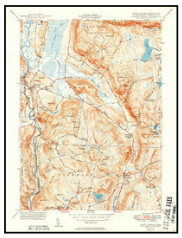
Cornwall
1956
7.5-minute, 24000
Aerial Photo Revised 1944

West Torrington
1956
7.5-minute, 24000
Aerial Photo Revised 1944

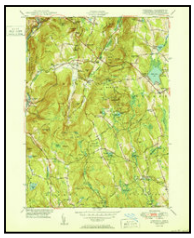
Topo Sheet Key

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

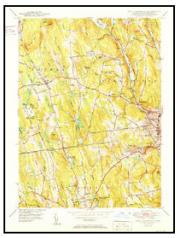
1950, 1951 Source Sheets



South Canaan
1950
7.5-minute, 31680
Aerial Photo Revised 1944



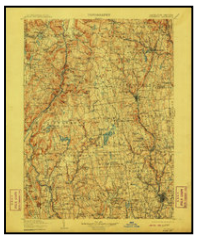
Cornwall
1950
7.5-minute, 31680
Aerial Photo Revised 1944



West Torrington
1951
7.5-minute, 31680
Aerial Photo Revised 1944

Norfolk
1951
7.5-minute, 31680
Aerial Photo Revised 1944

1904 Source Sheets



Litchfield
1904
30-minute, 125000

1903 Source Sheets

Cornwall
1903
15-minute, 62500

1893 Source Sheets

Cornwall
1893
15-minute, 62500

Topo Sheet Key

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

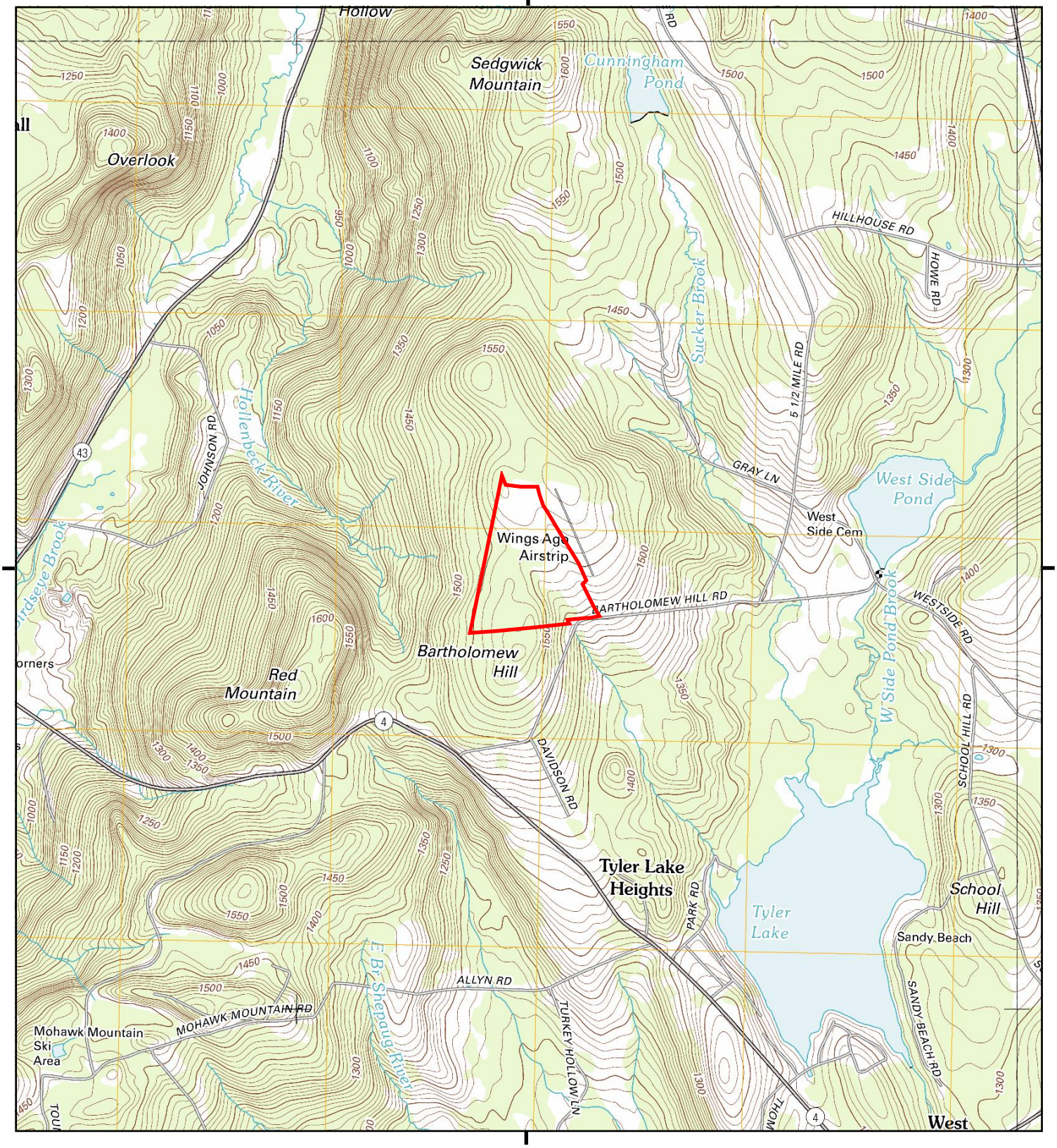
1892 Source Sheets

Winsted
1892
15-minute, 62500

Cornwall
1892
15-minute, 62500

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

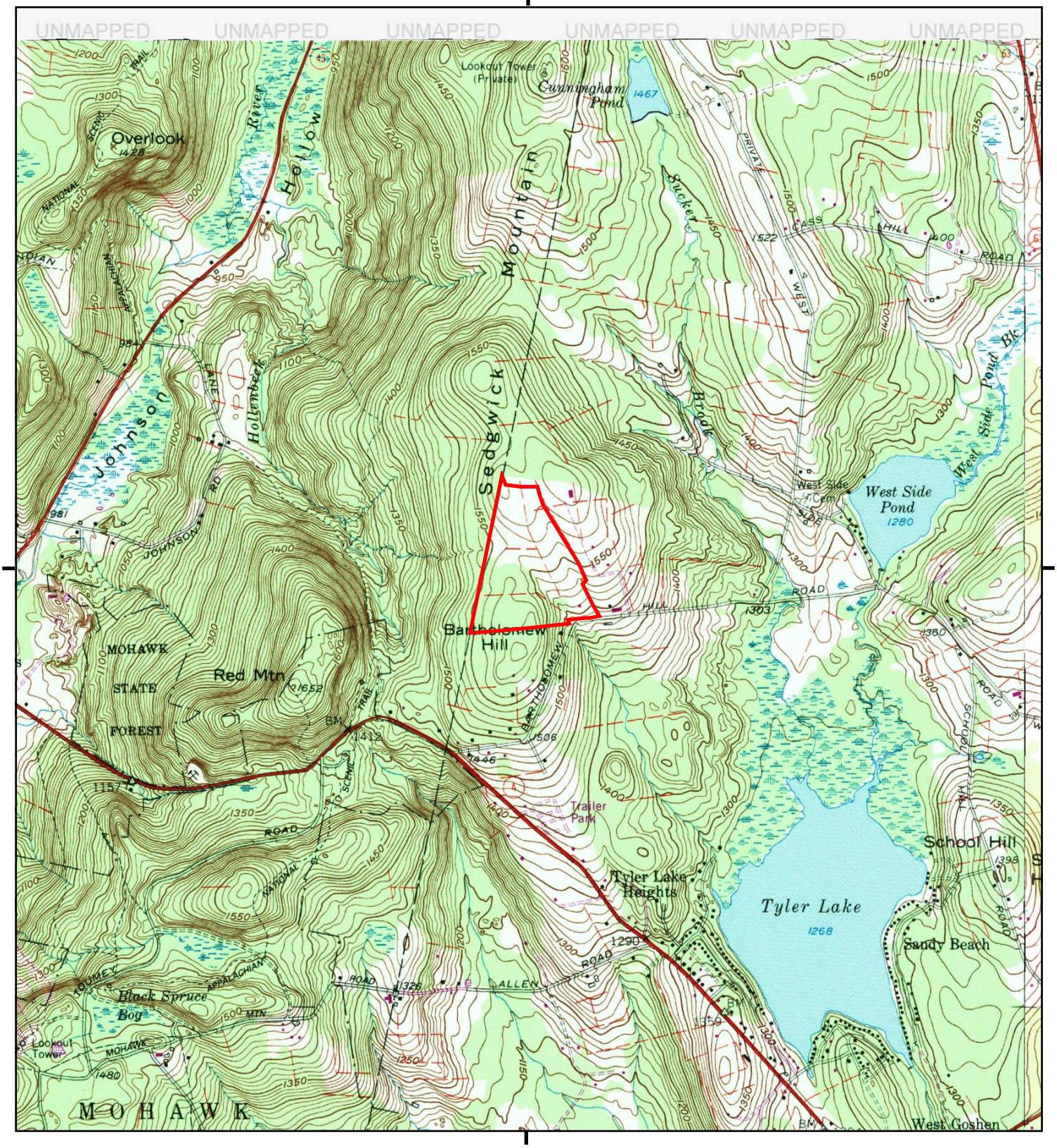
TP, Cornwall, 2012, 7.5-minute
N, South Canaan, 2012, 7.5-minute
NE, Norfolk, 2012, 7.5-minute
SE, West Torrington, 2012, 7.5-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N

Historical Topo Map

1984



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

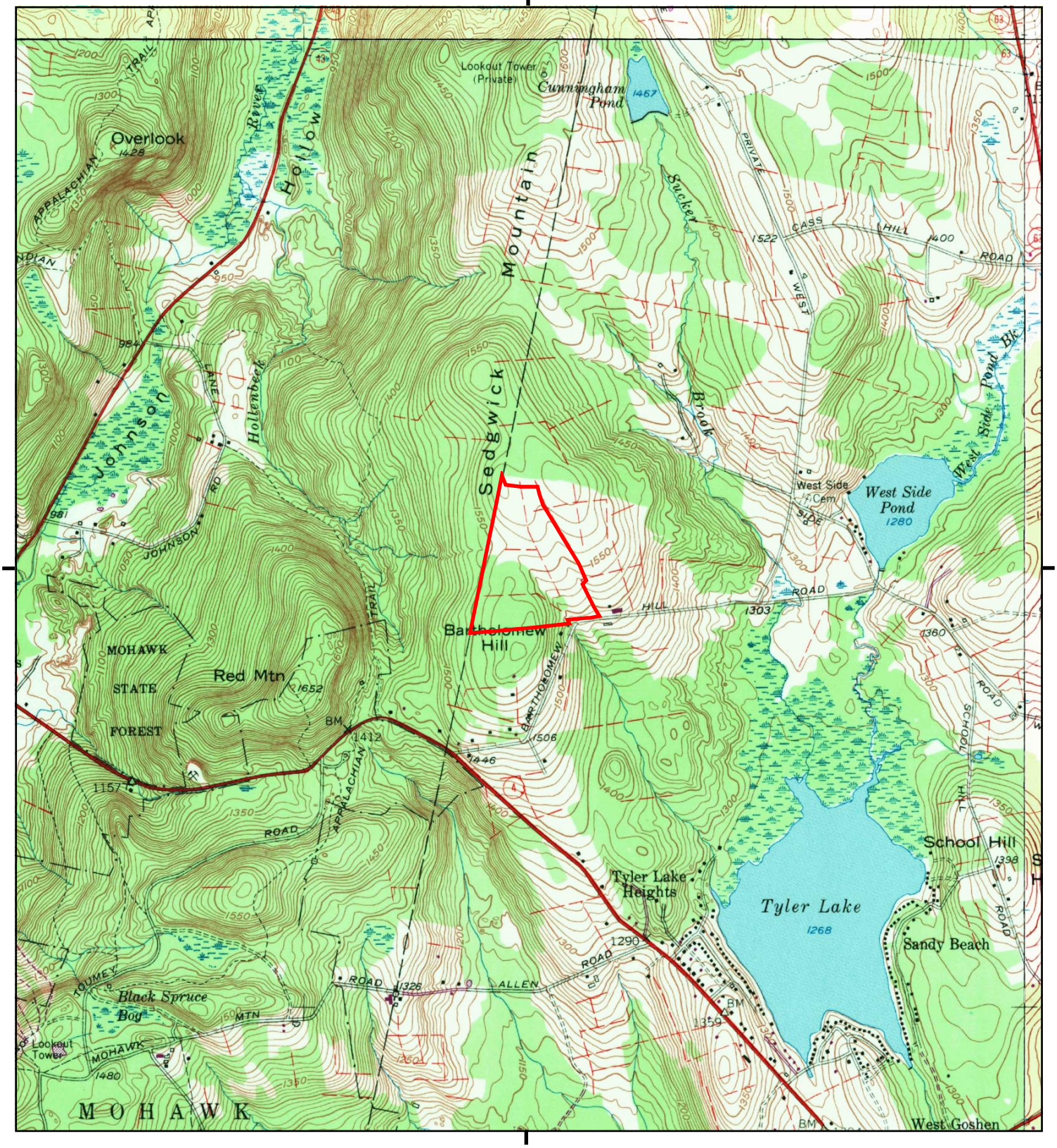
TP, Cornwall, 1984, 7.5-minute
SE, West Torrington, 1984, 7.5-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N

Historical Topo Map

1969



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

0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

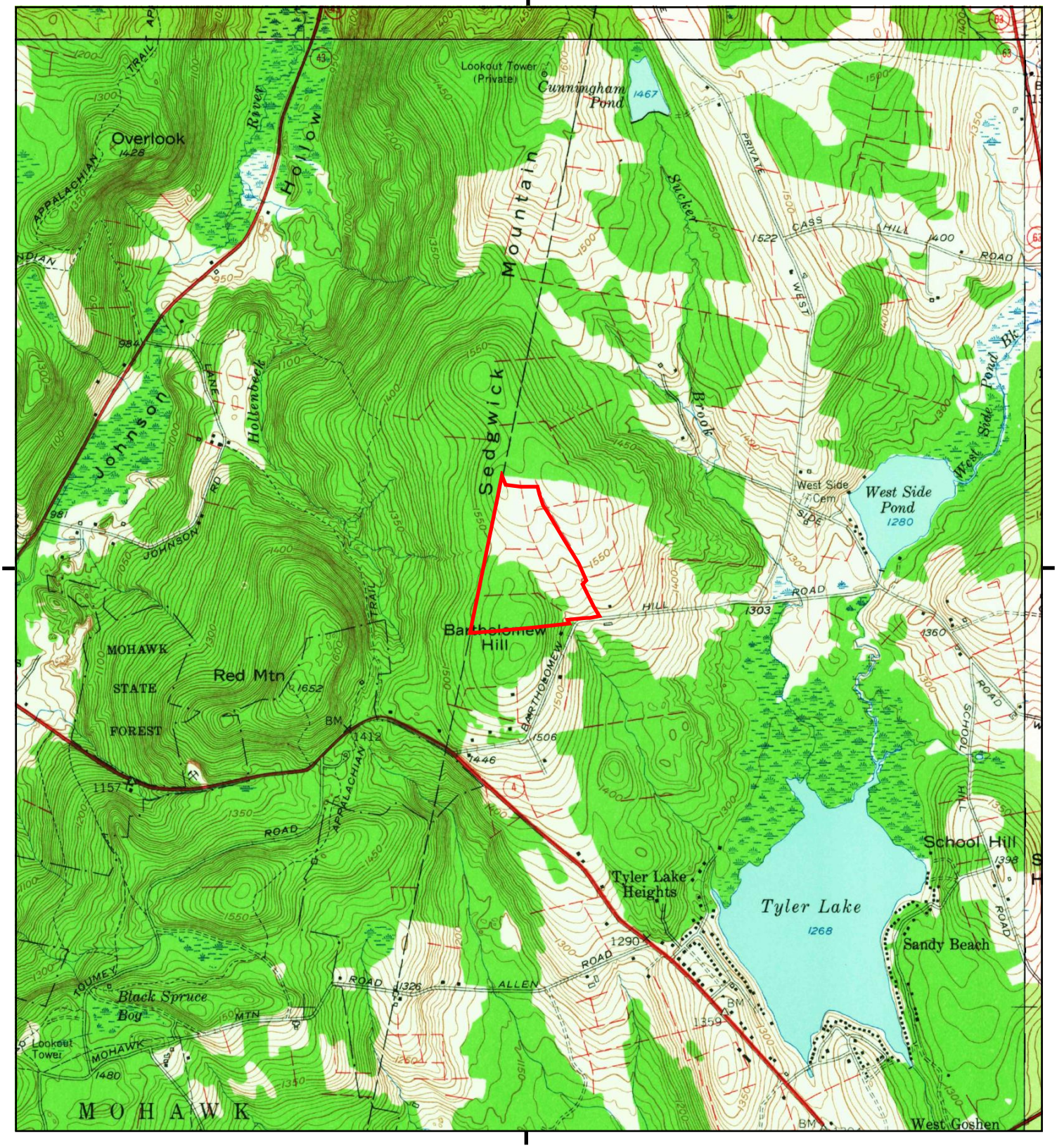
TP, Cornwall, 1969, 7.5-minute
N, South Canaan, 1969, 7.5-minute
NE, Norfolk, 1969, 7.5-minute
SE, West Torrington, 1969, 7.5-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N

Historical Topo Map

1956



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W E
SW S SE

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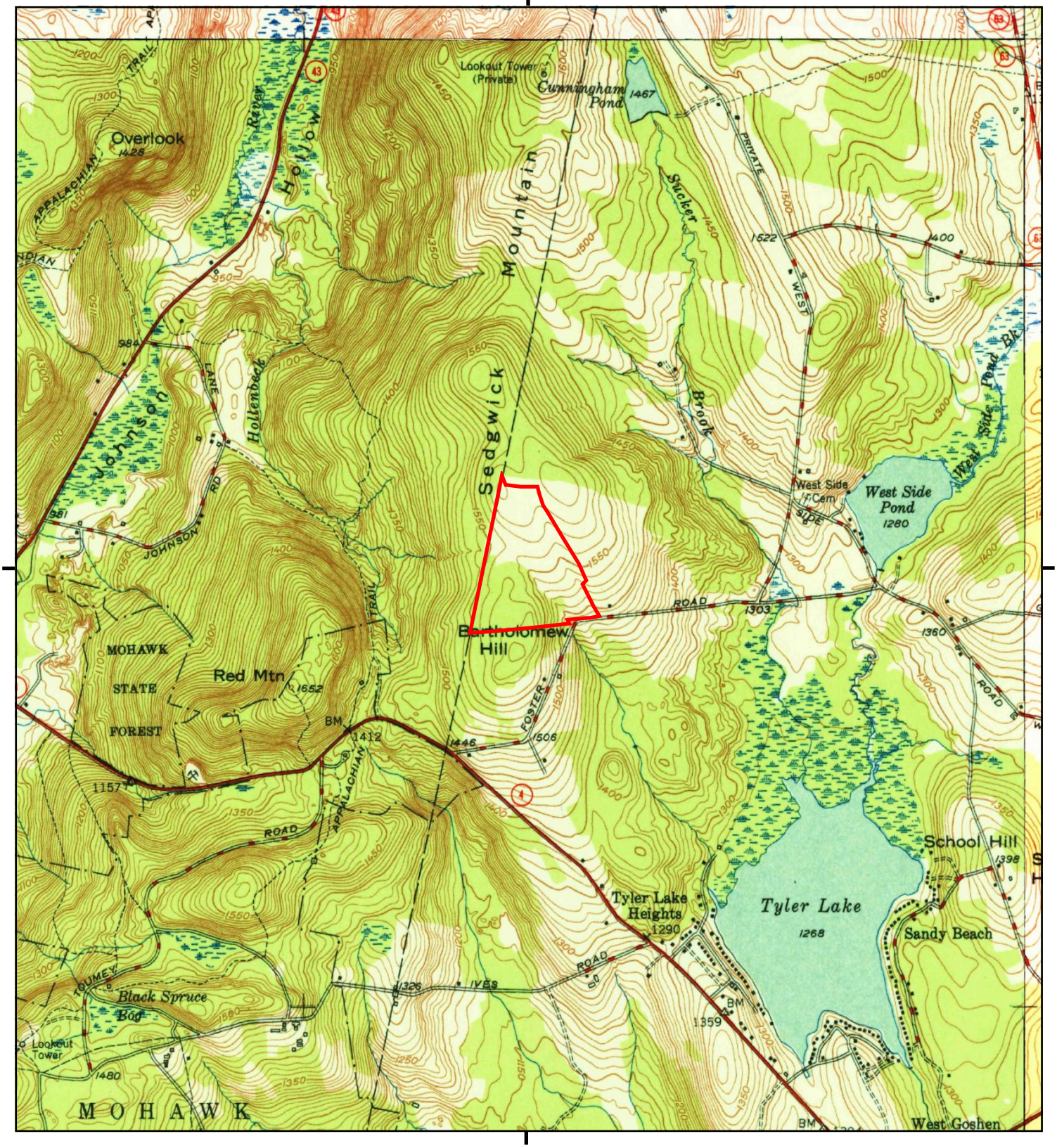
N, South Canaan, 1956, 7.5-minute
NE, Norfolk, 1956, 7.5-minute
SE, West Torrington, 1956, 7.5-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N



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W E
SW S SE

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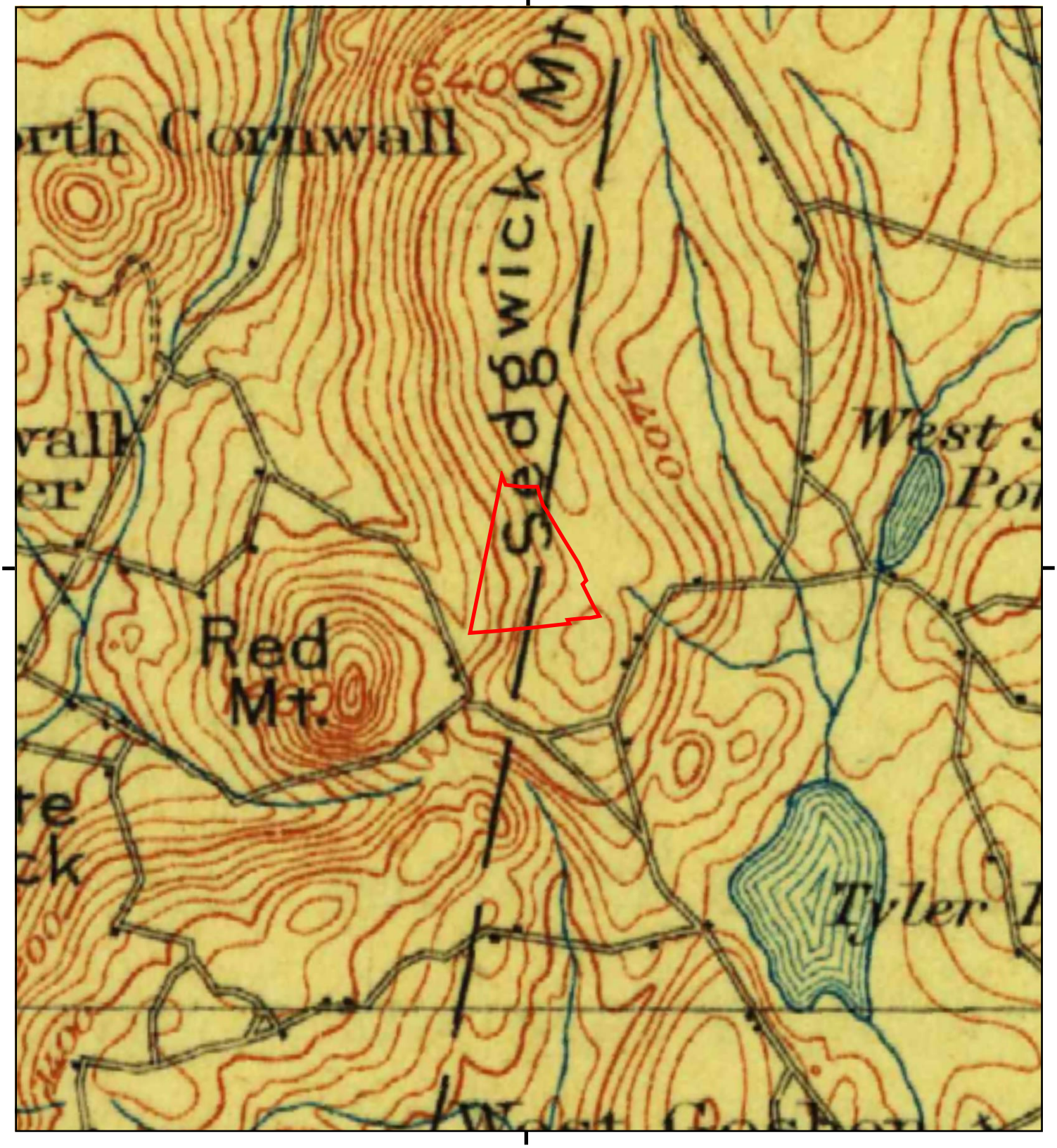
N, South Canaan, 1950, 7.5-minute
NE, Norfolk, 1951, 7.5-minute
SE, West Torrington, 1951, 7.5-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N



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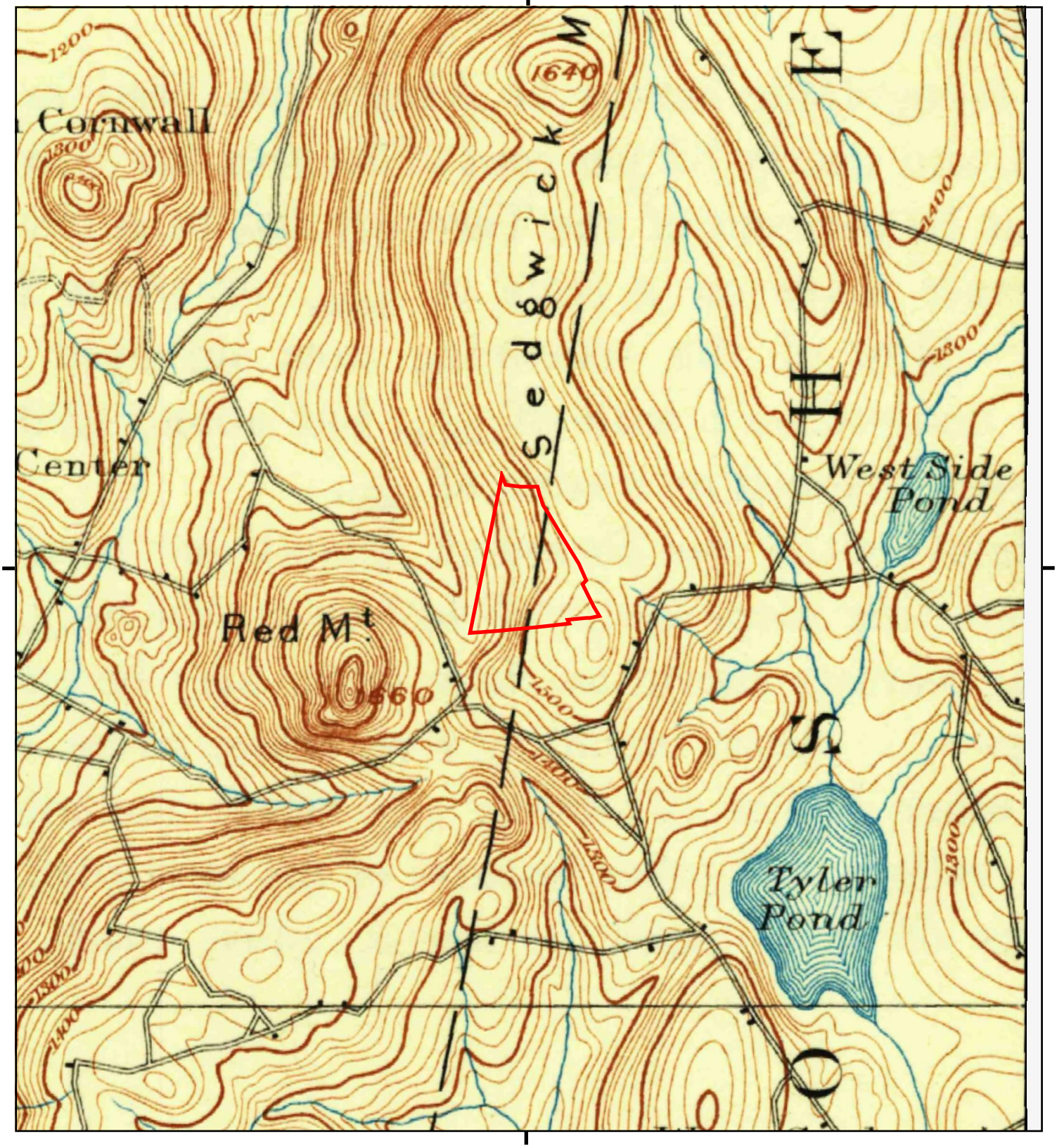
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Litchfield, 1904, 30-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N



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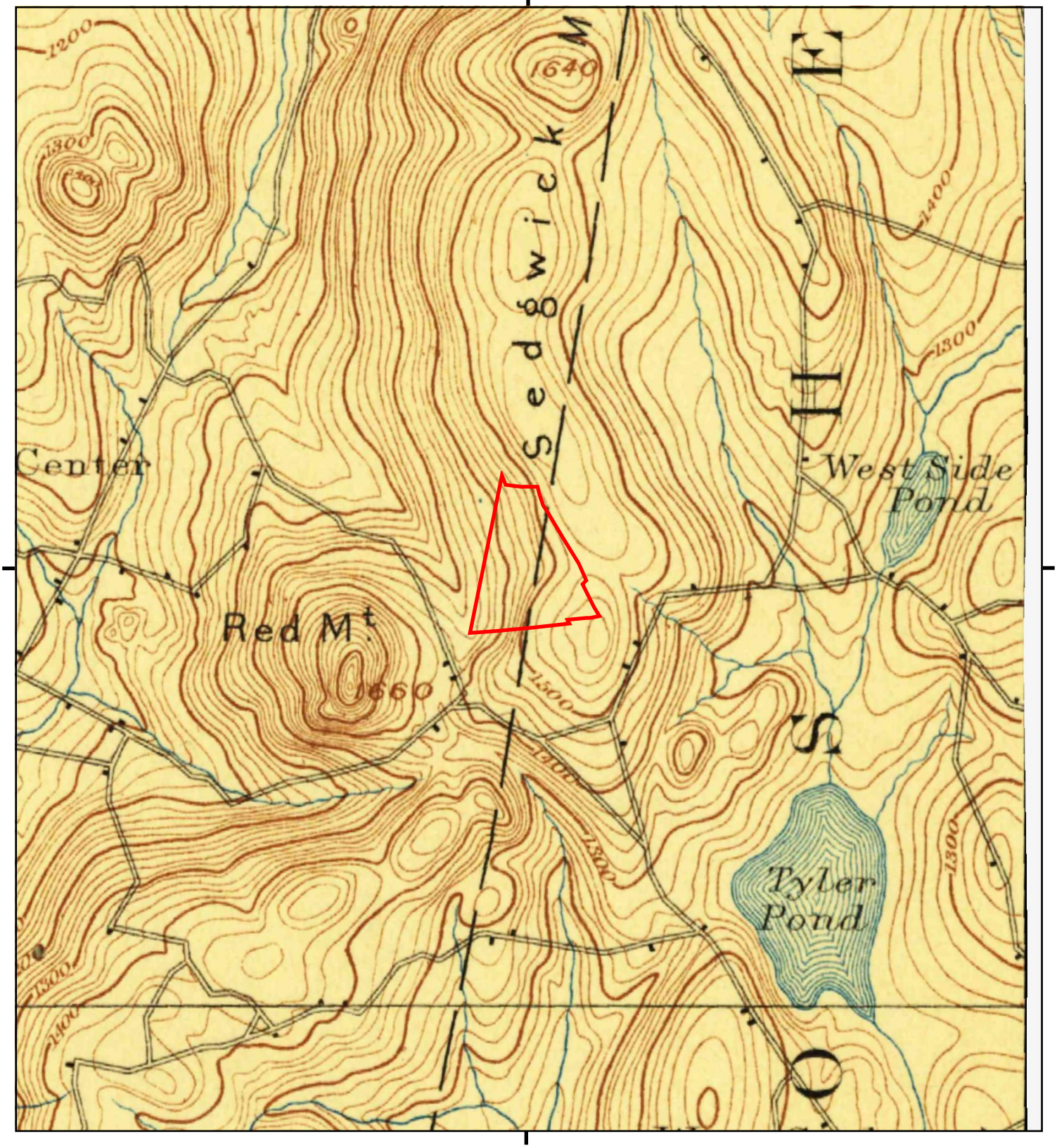
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cornwall, 1903, 15-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N



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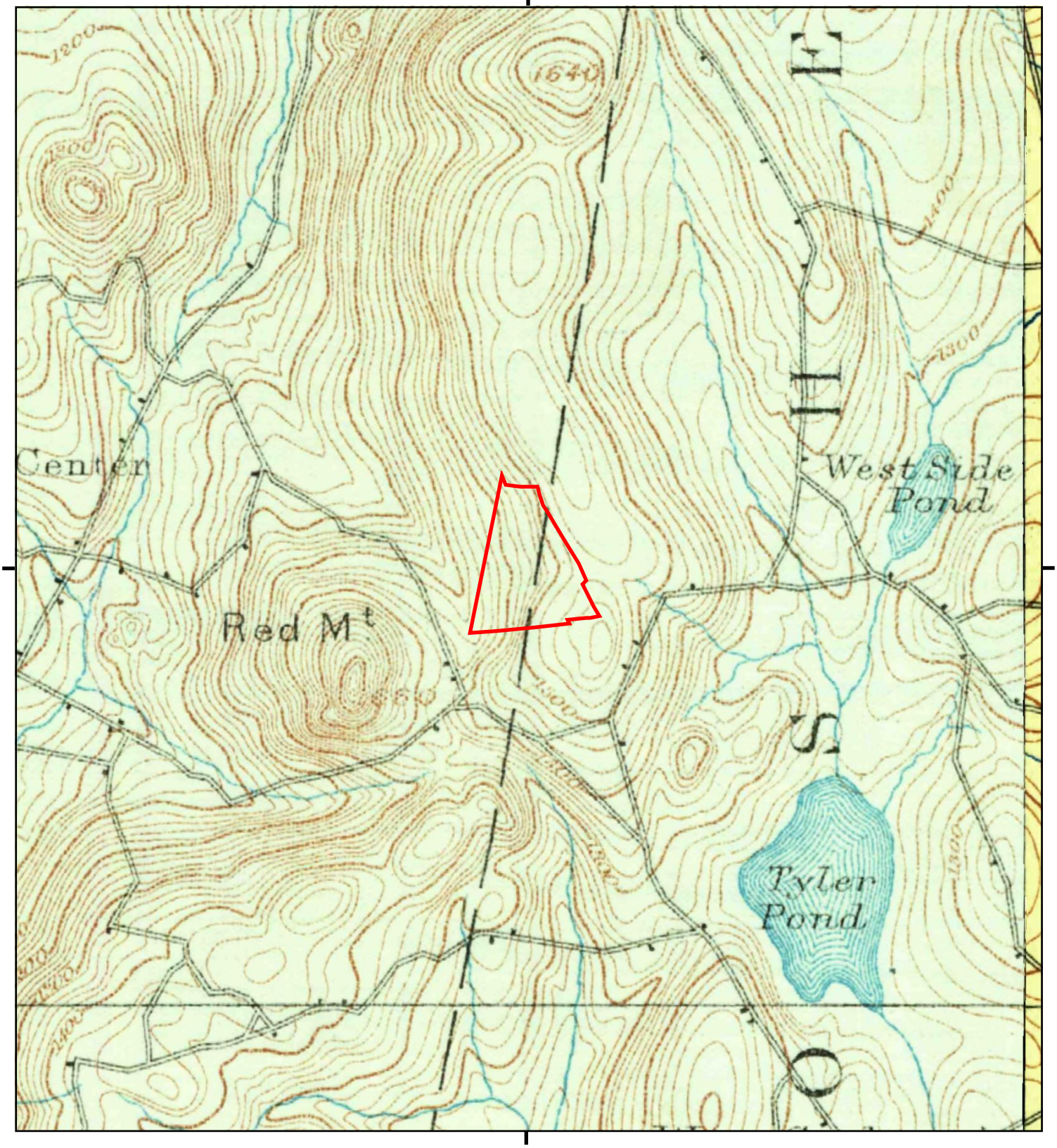
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cornwall, 1893, 15-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Cornwall, 1892, 15-minute
E, Winsted, 1892, 15-minute

SITE NAME: Greenskies Goshen PV Solar Facility
ADDRESS: 129 Bartholomew Hill Rd
Goshen, CT 06756
CLIENT: SLR

N

Greenskies Goshen PV Solar Facility

129 Bartholomew Hill Rd

Goshen, CT 06756

Inquiry Number: 6432454.8

April 02, 2021

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

04/02/21

Site Name:

Greenskies Goshen PV Solar F
129 Bartholomew Hill Rd
Goshen, CT 06756
EDR Inquiry # 6432454.8

Client Name:

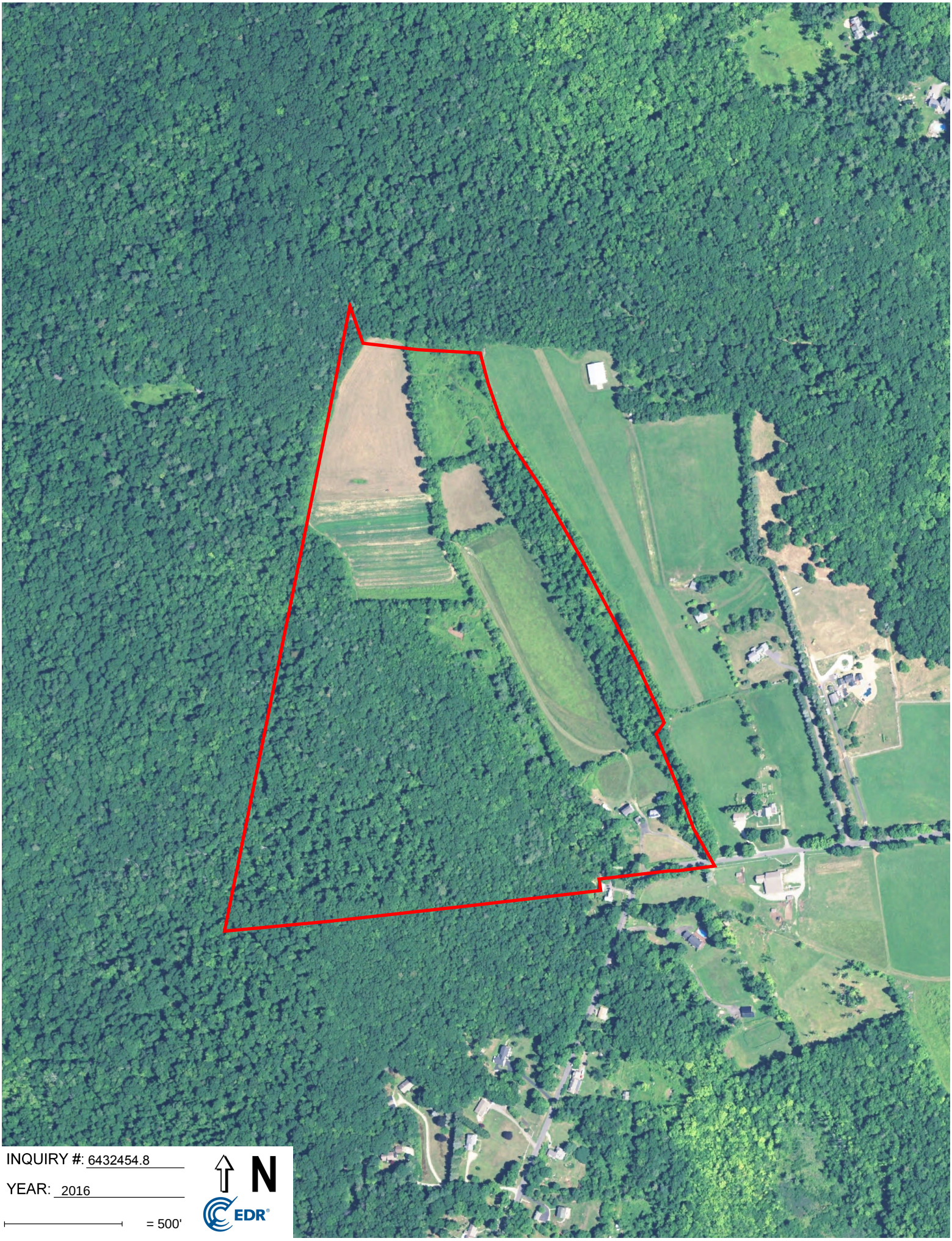
SLR
45 Glastonbury Boulevard
Glastonbury, CT 06033
Contact: Emily Allison

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
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1996	1"=500'	Flight Date: April 15, 1996	CTMAGIC
1991	1"=500'	Acquisition Date: March 31, 1991	USGS/DOQQ
1990	1"=500'	Flight Date: April 24, 1990	MAGIC
1985	1"=500'	Flight Date: March 25, 1985	CTDEP
1974	1"=500'	Flight Date: April 27, 1974	USGS
1970	1"=500'	Flight Date: April 16, 1970	CTMAGIC
1969	1"=500'	Flight Date: November 13, 1969	USGS
1960	1"=500'	Flight Date: June 01, 1960	USGS
1958	1"=500'	Flight Date: August 05, 1958	USGS
1951	1"=500'	Flight Date: November 12, 1951	CTMAGIC
1944	1"=500'	Flight Date: January 24, 1944	USGS
1941	1"=500'	Flight Date: October 17, 1941	USGS
1934	1"=500'	Flight Date: May 06, 1934	FAIR

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.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YEAR: 2016
= 500'
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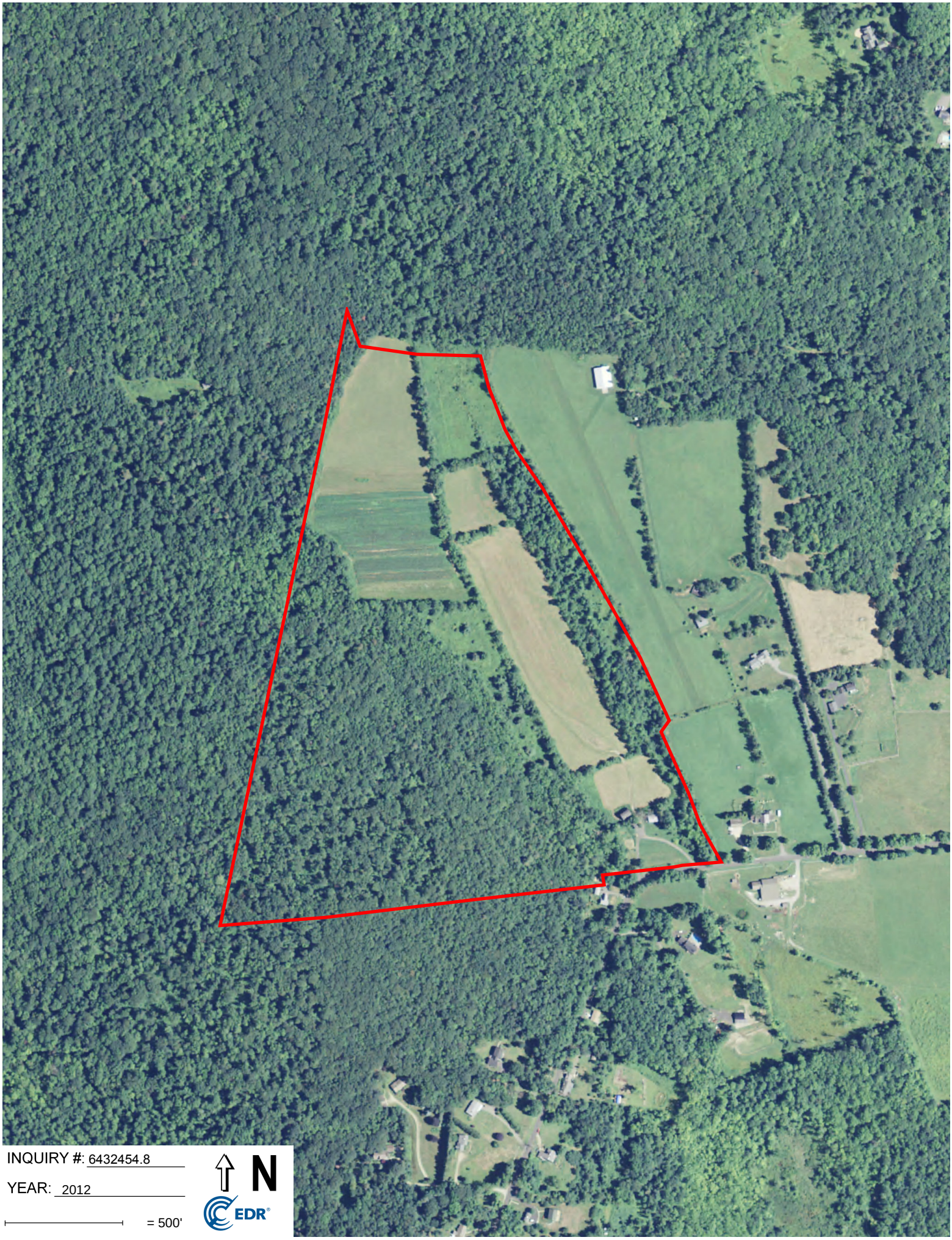
EDR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= 500'
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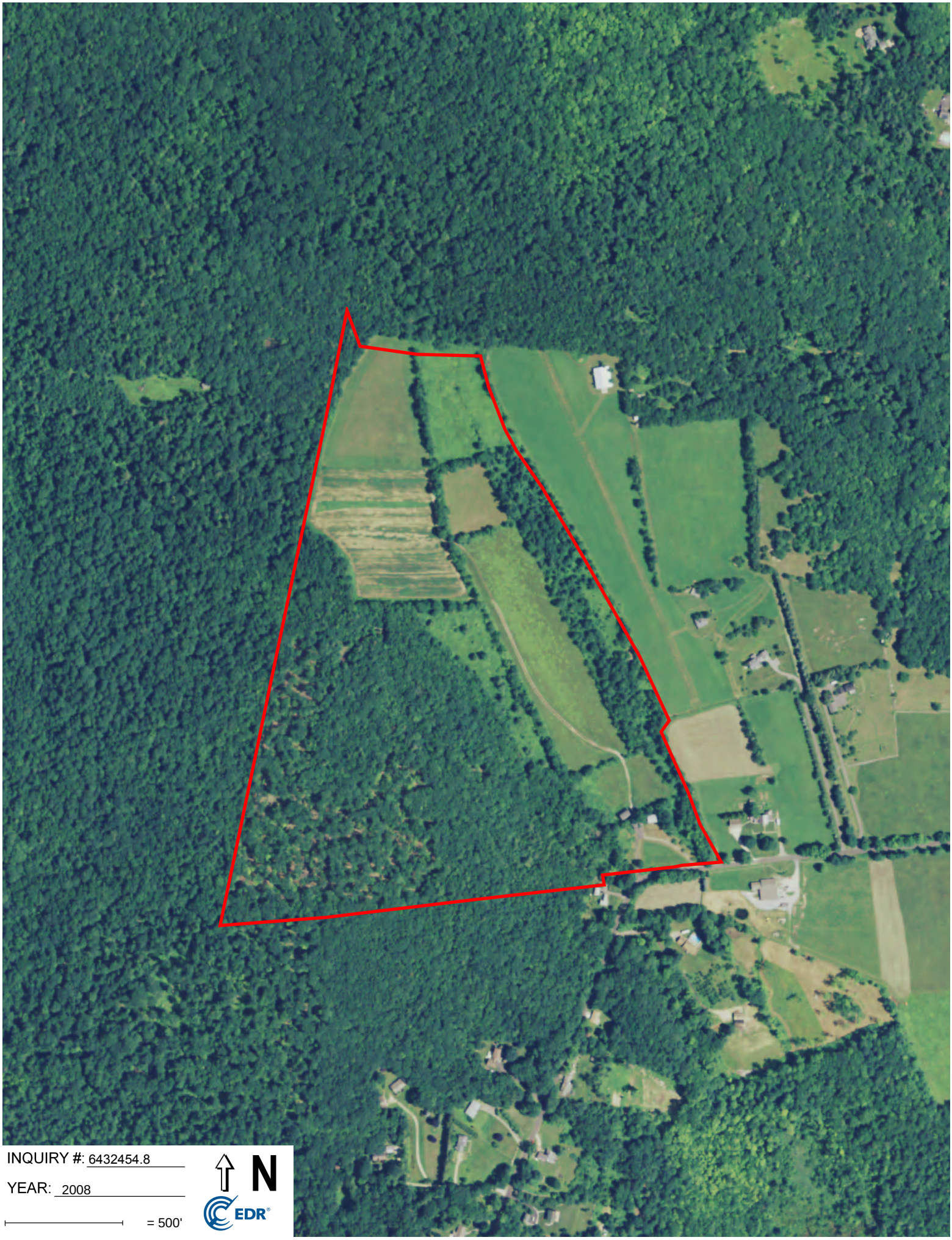
EDR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YEAR: 2008
= 500'
N
EDR


INQUIRY #: 6432454.8
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 6432454.8

YEAR: 1996

= 500'

N

EDR

INQUIRY #: 6432454.8

YEAR: 1991

= 500'

N

EDR

INQUIRY #: 6432454.8

YEAR: 1990

= 500'

N

EDR

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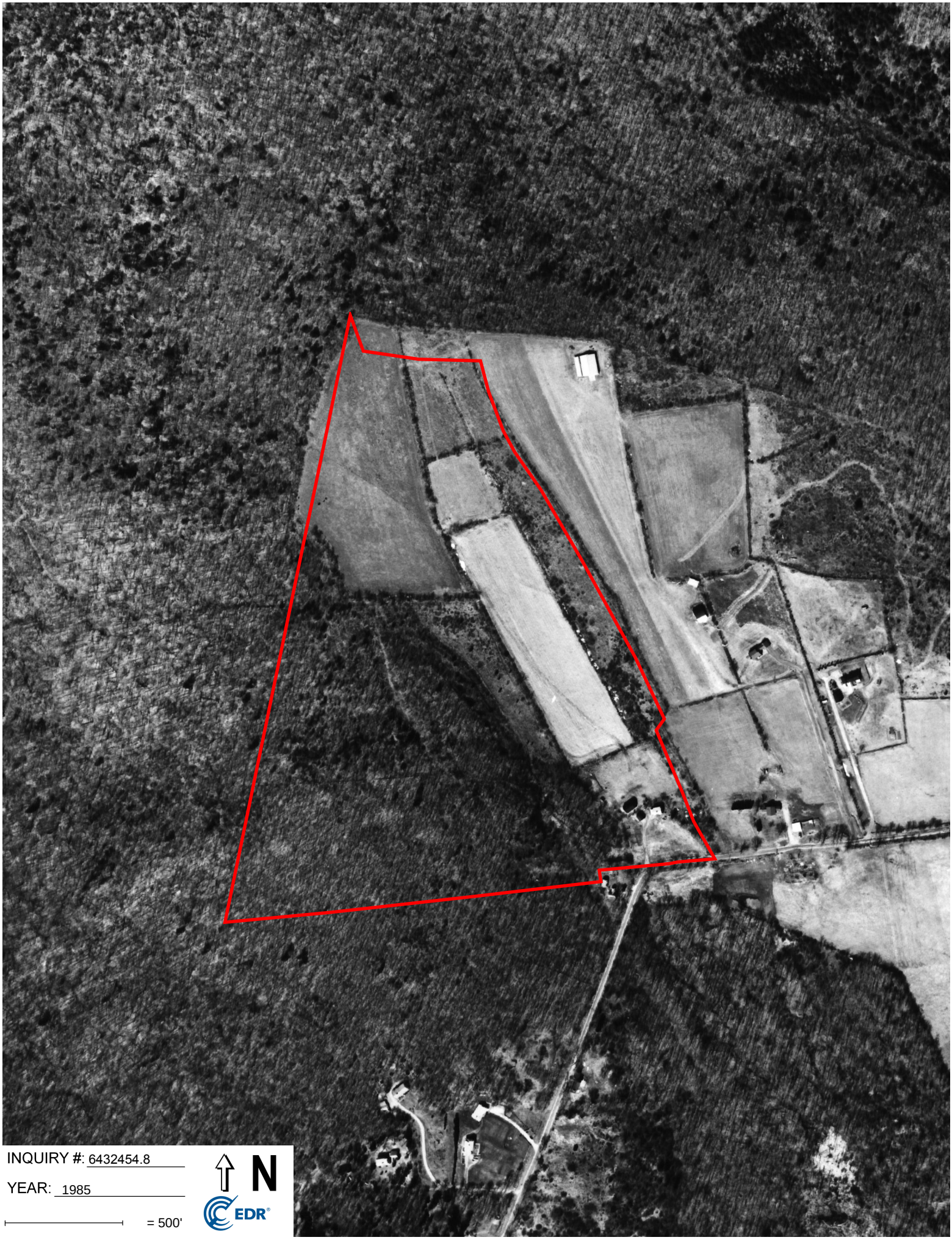

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YEAR: 1985

= 500'

N

EDR

INQUIRY #: 6432454.8

YEAR: 1974

= 500'

N

EDR

INQUIRY #: 6432454.8

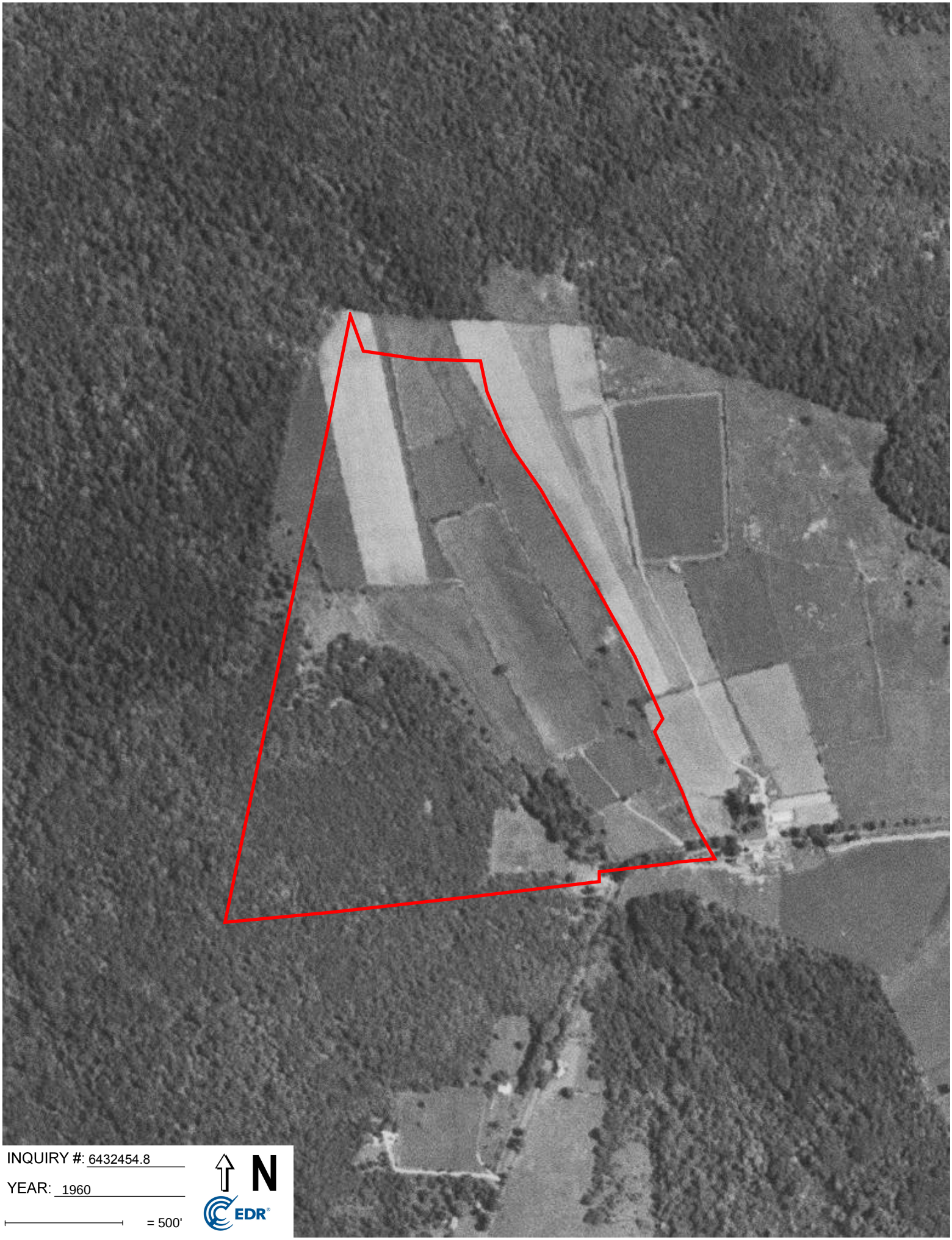
YEAR: 1970

= 500'

N

EDR


INQUIRY #: 6432454.8
YEAR: 1969
= 500'
N
EDR



INQUIRY #: 6432454.8

YEAR: 1960

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EDR

INQUIRY #: 6432454.8

YEAR: 1958

= 500'

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EDR

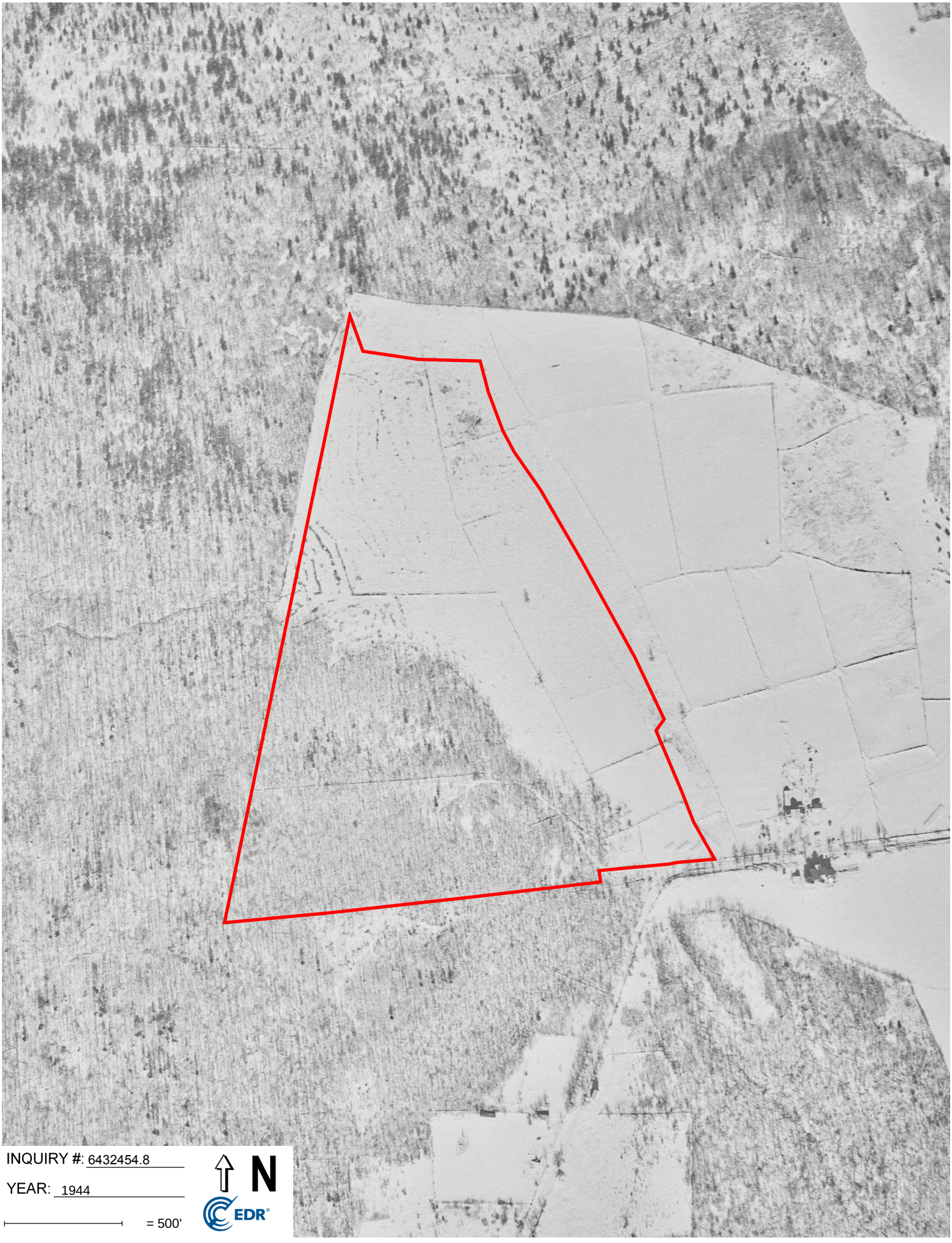
INQUIRY #: 6432454.8

YEAR: 1951

= 500'

N

EDR



INQUIRY #: 6432454.8

YEAR: 1944

= 500'

N

EDR

INQUIRY #: 6432454.8

YEAR: 1941

= 500'

N

EDR

INQUIRY #: 6432454.8

YEAR: 1934

= 500'

N

EDR

Greenskies Goshen PV Solar Facility

129 Bartholomew Hill Rd

Goshen, CT 06756

Inquiry Number: 6432454.3

April 01, 2021

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/01/21

Site Name:

Greenskies Goshen PV Solar F
129 Bartholomew Hill Rd
Goshen, CT 06756
EDR Inquiry # 6432454.3

Client Name:

SLR
45 Glastonbury Boulevard
Glastonbury, CT 06033
Contact: Emily Allison

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by SLR 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 # 96A9-4F64-95B6

PO # 16763.00011

Project Phase I ESA - 129 Bart. Hill

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 #: 96A9-4F64-95B6

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™

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Greenskies Goshen PV Solar Facility
129 Bartholomew Hill Rd
Goshen, CT 06756

Inquiry Number: 6432454.5
April 02, 2021

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 city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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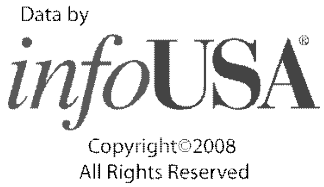


RESEARCH SUMMARY

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
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1968	☑	☐	Price & Lee's City Directory
1962	☐	☐	Price & Lee's City Directory

FINDINGS

TARGET PROPERTY STREET

129 Bartholomew Hill Rd
Goshen, CT 06756

Year	*CD Image*	*Source*	
BARTHLMW HL RD			
1995	pg A6	EDR Digital Archive	
BARTHOLOMEW HILL RD			
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A5	EDR Digital Archive	
1992	pg A7	EDR Digital Archive	
1968	pg A8	Price & Lee's City Directory	
1962	-	Price & Lee's City Directory	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 2017

5	MERRILL, DALE K
10	HANNY, WILLIAM F
13	BARKER, ERNEST B
21	LUCAS, DANIEL B
22	WHITTLE, WILLIAM E
32	OLSON, THOMAS L
61	WRIGHT, ELYSE M
70	EGGERS, WILLIAM G
71	ORTIZ, RICARDO E
75	WHITE, JAMES A
80	BITTEL, JAMES M
92	FITZGERALD, JAMES M
100	BELLAMY-JOYA, SUSAN
106	KORNER, WILLIAM J
121	CZAJA, JAMES S
129	HARNETT, JOSEPH W
	HARNETTE FAMILY FARM
147	CONSTANCE, V J
161	BUJNOWSKI, PETER J
239	LECLAIR, SAM J
266	JACQUES, JEREMY J
297	HANFORD, THOMAS H
300	CONTADINI, SHERRI L
302	HARLOW, GARRET D
304	GIVENS, GEORGE M
315	KELLY, THERESA W

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 2014

5	MERRILL, DALE K
10	HANNY, WILLIAM F
12	LUCAS, LORRAINE
13	BARKER, ERNEST B
21	LUCAS, DANIEL B
22	OCCUPANT UNKNOWN,
32	OLSON, THOMAS L
39	MAIGRET, DOUGLAS L
58	HACHE, ROGER J
61	BOONSHAFT, BARRY M
70	SCHLACKMAN, STEVE L
71	BORZANSKY, ROY
	MARCHAND, SARAH T
	OCCUPANT UNKNOWN,
	ORTIZ, RICARDO E
75	WHITE, JAMES A
80	BITTEL, JAMES M
85	OCCUPANT UNKNOWN,
92	FITZGERALD, WILLIAM J
100	BARBERO, JOSHUA P
106	PALMER, EVELYNN C
121	CZAJA, JAMES S
129	HARNETT, JOSEPH W
	HARNETTE FAMILY FARM
147	BREAKELL, SETH P
161	BUJNOWSKI, PETER J
163	LOCKWOOD, ESTHER V
239	FINERAHTY, JUDY
266	JACQUES, RICHARD J
297	HANFORD, THOMAS H
300	CONTADINI, CARL D
302	HARLOW, GARRET D
304	CONTADINI, SHERRI L
315	KELLY, EUGENE L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 2010

5	MERRILL, DALE K
10	HANNY, WILLIAM F
13	BARKER, ERNEST B
21	LUCAS, DANIEL B
22	BUTTS, REGINALD W
32	OLSON, THOMAS L
39	MAIGRET, DOUGLAS L
58	HACHE, ROGER J
61	BOONSHAFT, BARRY M
70	SCHLACKMAN, STEVE L
71	BORZANSKY, ROY
	HUTTON, JENNIFER L
75	WHITE, JAMES A
80	BITTEL, JAMES M
121	CZAJA, JAMES S
129	HARNETT FAMILY FARM
	MUCHELOT, BARBARA
147	BREAKELL, SETH P
161	BUJNOWSKI, LAUREN
163	LOCKWOOD, EUGENE L
297	HANFORD, THOMAS H
302	HARLOW, GARRET D
315	KELLY, EUGENE L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 2005

5	MERRILL, DALE K
10	HANNY, WILLIAM F
13	BARKER, ERNEST B
21	LUCAS, DANIEL B
22	BUTTS, REGINALD W
32	OLSON, THOMAS L
39	MAIGRET, DOUGLAS L
58	HACHE, ROGER J
65	LOFFREDO, RICHARD
70	SCHLACKMAN, STEVEN
71	BAUMANN, CAROL E
	BORZANSKY, ROY
75	WHITE, JAMES J
80	BITTEL, JAMES M
100	CARR, JOYCE S
106	B KORNER TRUCKING LLC
	PALMER, EVELYNN L
121	CZAJA, JAMES S
129	HARNETT, JOSEPH W
	JWH REALTY & RIVERSIDE RO
	RIVERSIDE ROLLER PARK
163	LOCKWOOD, EUGENE L
239	MARR, PATSY B
297	HANFORD, THOMAS H
300	CONTADINI, CARL F
315	KELLY, EUGENE L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 2000

5	MERRILL, D K
10	HANNY, WILLIAM F
13	BARKER, ERNEST
21	LUCAS, DANIEL
22	BUTTS, REGINAL W
32	OLSON, THOMAS L
39	MAIGRET, DOUGLAS L
58	HACHE, R
61	BOONSHAFT, BARRY
70	EGGERS, W
71	BAUMANN, CAROL
	BORZANSKY, PAUL
	HUTTON, J
	ORTIZ, R
75	WHITE, JAMES
80	BITTEL, JAMES
85	LOFFREDO, RICHARD
100	CARR, S
106	PALMER, L
121	CZAJA, JAMES S
129	HARNETT, JOSEPH W
147	BREAKELL, THOMAS A
161	BUJNOWSKI, ARTHUR J
163	LOCKWOOD, EUGENE L
239	MARR, DOUGLAS H
297	HANFORD, THOMAS
	TRIOMPO, T A
315	KELLY, H
	WALLA, T M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHLMW HL RD 1995

5	MERRILL, DALE K
22	BUTTS, R W
32	OLSON, THOMAS L
39	MAIGRET, L
58	HACHE, R
71	BAUMANN, CAROL
80	BITTEL, JAMES
82	JENKINS, JAMES L
92	OCONNELL, MICHAEL
100	BELLMAY, J
112	ANSTETT, LEON E JR
121	CZAJA, JAMES S
129	HARNETT, JOSEPH W
147	BREAKELL, ADAM
161	BUJNOWSKI, ARTHUR J
163	LOCKWOOD, EUGENE L
239	MARR, DOUGLAS H
266	JACQUES, RICHARD J JR
315	WALLA, T M

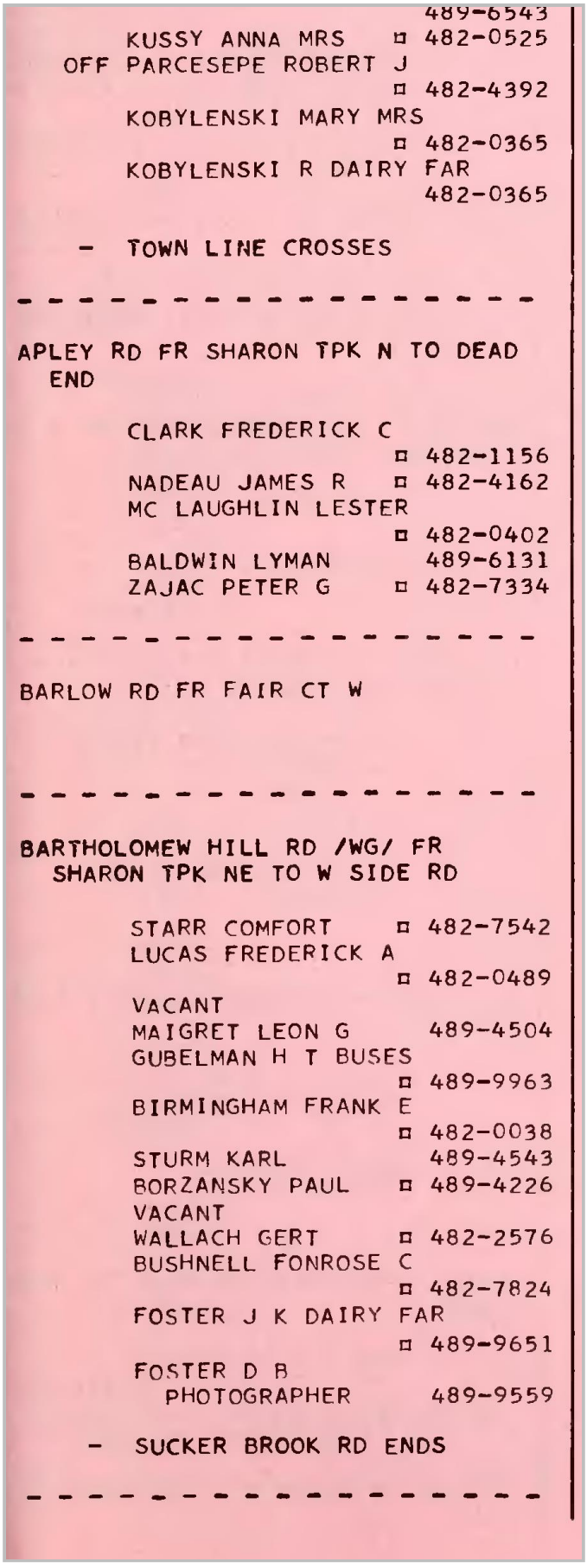
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BARTHOLOMEW HILL RD 1992

5	MERRILL, DALE K
10	HANNY, WILLIAM F
12	CZAJA, JAMES S
13	BARKER, ERNEST
21	PRADETTO, JOHN
22	BUTTS, R W
32	OLSON, THOMAS L
39	BLIGH, L K
58	HACHE, R
61	BOONSHAFT, BARRY
71	BAUMANN, A J
	BORZANSKY, PAUL
	BRINKHOFF, DANIEL L
75	HUEMPFNER, ADOLF
80	BITTEL, JAMES
100	BARBERO, J
112	ANSTETT, LEON E JR
129	HARNETT, JOSEPH W
161	BUJNOWSKI, ARTHUR J
163	LOCKWOOD, EUGENE L
239	MARR, DOUGLAS H
315	KELLY, H
	WALLA, T M

Target Street	Cross Street	Source
✓	-	Price & Lee's City Directory

BARTHOLOMEW HILL RD 1968



489-6543
KUSSY ANNA MRS ¤ 482-0525
OFF PARCESEPE ROBERT J
¤ 482-4392
KOBYLENSKI MARY MRS
¤ 482-0365
KOBYLENSKI R DAIRY FAR
482-0365

\- TOWN LINE CROSSES

APLEY RD FR SHARON TPK N TO DEAD END

CLARK FREDERICK C
¤ 482-1156
NADEAU JAMES R ¤ 482-4162
MC LAUGHLIN LESTER
¤ 482-0402
BALDWIN LYMAN 489-6131
ZAJAC PETER G ¤ 482-7334

BARLOW RD FR FAIR CT W

BARTHOLOMEW HILL RD /WG/ FR SHARON TPK NE TO W SIDE RD

STARR COMFORT ¤ 482-7542
LUCAS FREDERICK A
¤ 482-0489
VACANT
MAIGRET LEON G 489-4504
GUBELMAN H T BUSES
¤ 489-9963
BIRMINGHAM FRANK E
¤ 482-0038
STURM KARL 489-4543
BORZANSKY PAUL ¤ 489-4226
VACANT
WALLACH GERT ¤ 482-2576
BUSHNELL FONROSE C
¤ 482-7824
FOSTER J K DAIRY FAR
¤ 489-9651
FOSTER D B
PHOTOGRAPHER 489-9559

\- SUCKER BROOK RD ENDS

APPENDIX E

SUPPORTING DOCUMENTS

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

Town of Goshen, CT

Property Listing Report

Map Block Lot 08-012-003-00 Account 00210900

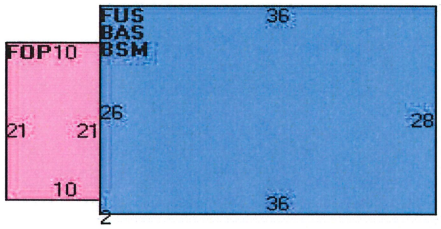
Property Information

Property Location	129 BARTHOLOMEW HILL ROAD
Owner	HARNETT JOSEPH W &
Co-Owner	MUCHELOT BARBARA
Mailing Address	129 BARTHOLOMEW HILL GOSHEN CT 06756
Land Use	101 Single Family
Land Class	R
Zoning Code	RA5
Town Clerk Map #	TC#372
Subdiv. Lot #	

Neighborhood	30
Acreage	69.1
Utilities	
Lot Setting/Desc	
Survey Map	
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	1980
Stories	2
Building Style	Colonial
Building Use	Residential
Building Grade	C
Floors	Carpet
Total Rooms	7

Bedrooms	3 Bedrooms
Full Bathrooms	1
Half Bathrooms	1
Bath Style	Old Style
Kitchen Style	Old Style
Roof Style	Gambrel
Roof Cover	Asph/F Gls/Cmp

Exterior Walls	Aluminum Sidng
Interior Walls	Drywall/Sheet
Heating Type	Hot Water
Heating Fuel	Propane/Gas
AC Type	None
Gross Bldg Area	3234
Total Living Area	2016

Report Created On 4/1/2021

Town of Goshen, CT

Property Listing Report | Map Block Lot 08-012-003-00 | Account 00210900

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	164100	114870
Extras	0	0
Outbuildings	32200	22540
Land	438100	82080
Total	634400	219490

Outbuilding and Extra Items

Type	Description
Barn w Loft	1280.00 S.F.
Barn w Loft	576.00 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1008	1008
Basement	1008	0
Finished Upper Story	1008	1008
Framed Open Porch	210	0
Total Area	3234	2016

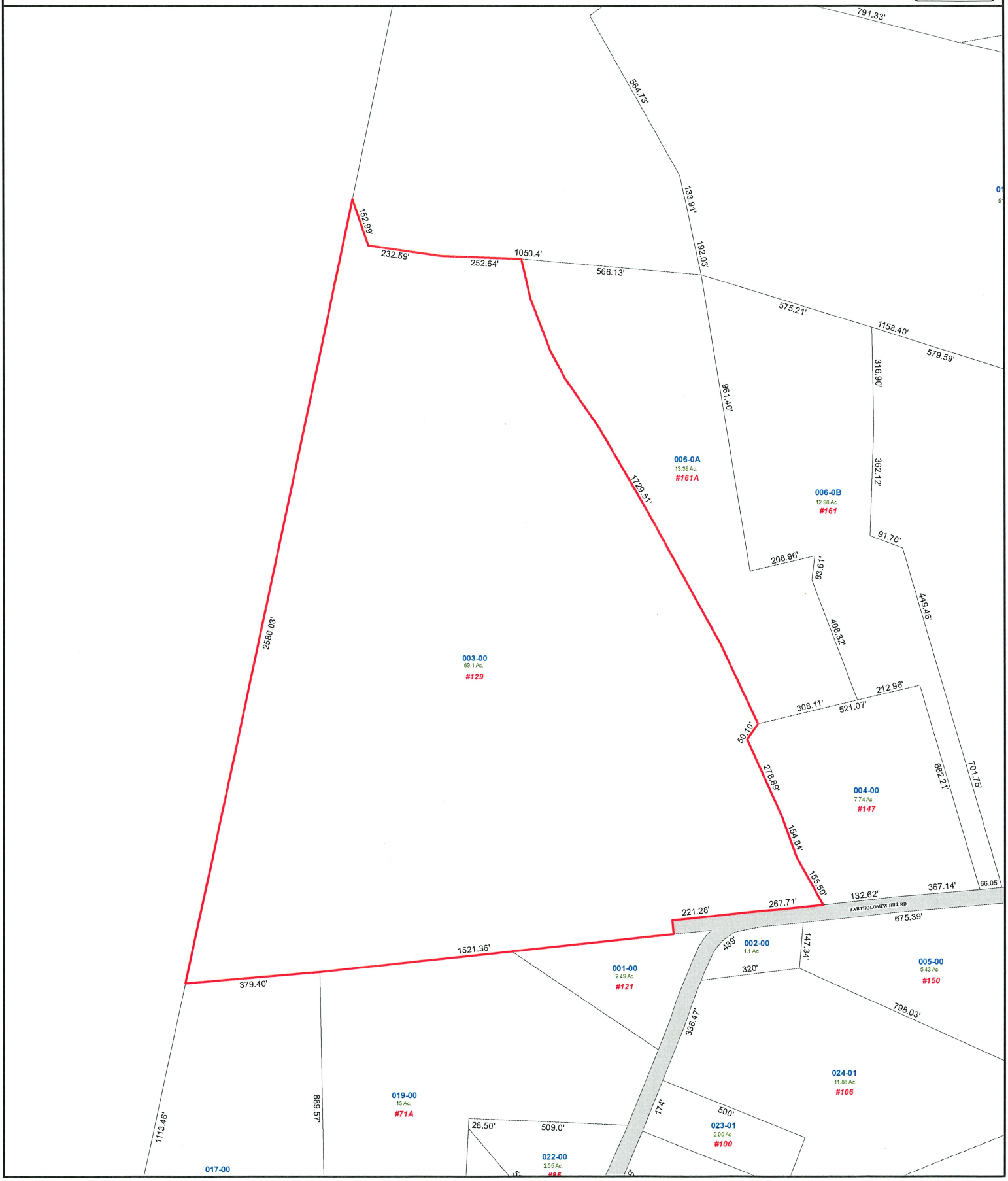
Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
HARNETT JOSEPH W &	65/ 390	1/15/1979	0

Report Created On 4/1/2021

Town of Goshen, Connecticut - Assessment Parcel Map

Parcel: 08-012-003-00 **Location:** 129 BARTHOLOMEW HILL ROAD



Approximate Scale: 1 inch = 400 feet

0 210 420 630 840 Feet

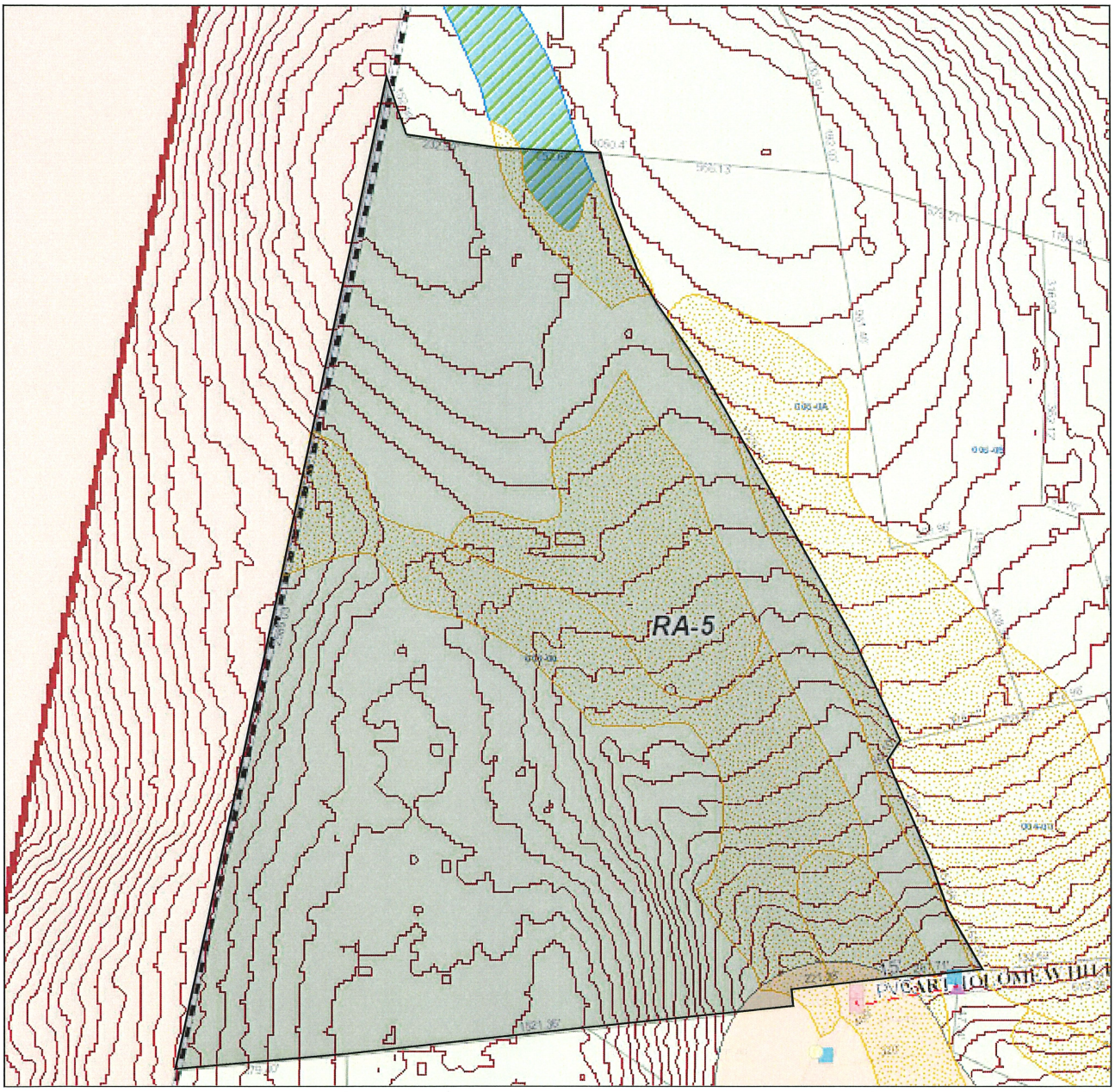
Map Produced: July 2020

Disclaimer: This map is for informational purposes only All information is subject to verification by any user. The Town of Goshen and its mapping contractors assume no legal responsibility for the information contained herein.

Town of Goshen

Geographic Information System (GIS)

Date Printed: 4/1/2021



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Goshen and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 400 feet

0 400 Feet

N W E S

Town of Goshen, CT: GIS Legend

Map Layer Symbols

- Town Line
- Parcel Lines
- Discontinued Roads
- Major Roads
- ROW
- ROW Easement
- Water Bodies
- Rivers & Streams

Planimetric Symbols

Zoning

- CB
- RA-1
- RA-2
- RA-5
- RR
- WL

Sanitary System

- Sanitary Lines
- Manholes
- Pump Stations

Drainage System

- Drainage Lines
- Culverts
- Pipes
- Catchbasins
- Headwall
- Box Culvert
- Ditch
- Outfalls
- Storm Chamber
- Storage Tank
- Storm Manhole
- Lake Input
- Other
- Unknown

Wetland Soils

- Alluvial and Floodplain Soils
- Poorly Drained and Very Poorly Drained Soils

Farmland Soils

- Prime Farmland Soils
- Statewide Important Farmland Soils
- Natural Diversity Database Area
- Aquifer Protection Area

Legend Produced November 2013

NEW ENGLAND GEOSYSTEMS
GEOGRAPHIC INFORMATION SYSTEM CONSULTANTS

ing: Goshen, Harwinton, Litchfield, Morris, Torrington, Thomaston, Bethlehem

TORRINGTON AREA HEALTH DISTRICT

Phone: 489-0436

Permit to Install or Repair Sewage Disposal System

No. 2285

THIS PERMIT EXPIRES IN ONE YEAR

Permission is hereby granted to: J.W. HARVEY & B. MUNRO Date 5/15/79

Address 32 ROBIN RD, FARMINGTON, CT

to perform the work checked below in accordance with the Public Health Code of the State of Connecticut.

- ☒ Install a Septic Tank 1,000 gal.
- ☒ Install Leaching System 675 sq. ft.
- ☐ Install Curtain Drain ft.
- ☐ Repair Existing System
- ☐ Fill Needed Yds.
- ☐ Soil Pipe Below top of Foundation Ft.

on the premises located at BARTHOLOMEW HILL RD 29

(No.) (Street)

GOSHEN

(Town) (Lot #) (Subdivision)

* (INSTALLER CONTACT THIS OFFICE BEFORE STARTING SYSTEM)

Authorized Signature Lee C. Campbell

Title Sanitarian Approved 8/22/79

GAC

REMARKS: TRENCHES HIGH SWALE ABOVE SYSTEM

* Important: Permit Must Be Shown to Installer

TORRINGTON AREA HEALTH DISTRICT
19 Taylor Street, Torrington, Conn. 06790

Serving: Goshen, Harwinton
Litchfield, Morris, Torrington

Phone: 489-0436

APPLICATION

For Permit to Install or Repair Sewage Disposal System

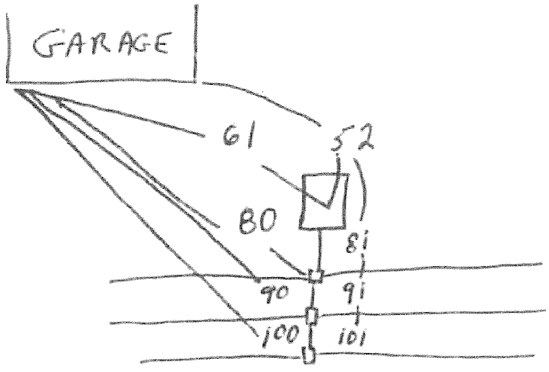
Date May 8th, 1979

The undersigned hereby applies for a permit to:
Install a Septic Tank Yes Install a Leaching System Yes
On the premises located at: No. ____ Street Bartholomew Hill Town Goshen
Is this lot part of an approved subdivision? Name John K. Foster Lot # 6
Residential structure 1 Family Number of Bedrooms 3 Other 4
Do you intend on having plumbing fixtures in the basement No Kind ____
Do you intend to have a swimming pool No Above or below ground ____
Is this property located on a public watershed No Which one ____
Type of water supply: Public ____ Private Spring-Well
Owner J.W. Harnett Address 32 Robin Rd., Frmgtn Phone 677-0192
Licensed Installer Breakell & Ives Address Route 4 Phone 491-2791
IT IS AGREED that the work shall be done in accordance with the provisions of the Public Health Code of Connecticut governing the construction of on-site subsurface sewage disposal systems. I further agree that the work must be done by a contractor licensed in Conn to perform this work. I agree to notify the TAHD before backfilling in order that an inspection may be made.
Telephone Pole Number E-27, E-28 Signed J.W. Harnett
Barbara Michelot
Buried Oil Tank ( ) Yes (X) No

SERVING:
GOSHEN, HARWINTON
LITCHFIELD, MORRIS
TORRINGTON

TORRINGTON AREA HEALTH DISTRICT
19 Taylor Street, Torrington, Conn. 06790 Tel. 489-0436

NAME B. MICHELOT Tel. ____
ADDRESS BARTHOLMEW HILL RD - GOSHEN
INSTALLER B & I Tel. ____



78
78
80

78
78
80

256
3
768 ft² O.K.

8/22/79
Date

Gary A. Campbell
Health Official

TAHD N.68

FORM #2 THOMASTON HEALTH DEPARTMENT APPLICATION NO. 2285

INVESTIGATION FOR SEWAGE DISPOSAL SYSTEM

Owner J. HARNETT & B. MICHELOT LOCATION BART. HILL RD, GOSHEN

PERCOLATION TESTS: (Record all tests) 5/9/79 (Date) SOIL MOISTURE: ✓ (high, med., low, etc.)

TEST READINGS

HOLE #1		HOLE #2		HOLE #3		HOLE #4	
Time	Reading	Time	Reading	Time	Reading	Time	Reading
2:15	13¼						
2:20	13¾						
2:25	14¼						
2:30	14¾						

TABULATION OF TEST RESULTS

Hole	Location	Depth (Inches)	Presoak (Hrs.)	Minimum Percolation Rate (Mins./Inch)
1	100' from Rd On of field	28"	1½ hrs.	10 min.
2				
3				
4				

OBSERVATION PITS: (Record all pits) 5/9/79 (Date) Ground Water Table: ✓ ✓ (Near Max., Below Max., Etc)

SOIL DESCRIPTIONS

PIT A	PIT B	PIT C	PIT D
0-8 top 8-28 Rd Br loam 28-48 gray sandy loam 48-7' pan w/ large Stones H2O @ 68" No Ledge	0-4' as observed at #1 Hit H2O Line		

TABULATION OF OBSERVATION PITS

Pit	Location	Depth	Ledge At	Ground Water At	Soil Mottling At
A	field	7'	None	68"	48"
B	"	- hit water line & Stopped digging			
C					
D					

SPECIAL CONDITIONS

System design larger than 2,000 g.p.d. ~ Water supply watershed ~

Ground water less than 5 ft. ~ Possible seasonal high ground water ~

Distance to watercourse, marsh or pond ~ Possible seasonal flooding ~

Limited suitable area ~ Excessive slope (over 15%) ~

Marginal soil (30 - 60 mins./inch) ~ Reserve area required Yes

Unsuitable soil (slower than 60 min./inch) ~

Ledge less than 7 ft. ~ Ledge less than 5 ft. ~

Underlying soil layers: (less than 4 ft. deep) Slower than 1 inch in 60 minutes ~

Slower than 1 inch in 20 minutes ~

Ledge outcrop ~ Other ~

CONCLUSION

Suitable for sewage disposal ✓

Unsuitable for sewage disposal ~

Additional investigation required ~

Test Feb. 1 - May 31 required ~

Engineer's plan required ~

Plans to be sent to State Health Dept. ~

DESIGN RECOMMENDATIONS

1,000 gal
675 ft - trenches - high
Open swale above system

Investigated by Craig A Campbell Title Sanitarian

Confirmed/Witnessed by ~ Title ~

Comments:

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

As part of the American Society for Testing and Materials (ASTM) Standard E1527-13 Phase I Environmental Site Assessment (ESA) report, it is required that the "user" (the party for whom the assessment is being prepared) provide the information below to the best extent of the user's knowledge in order to help the environmental professional to identify any recognized environmental conditions (RECs) at the property.

It is understood that you, the user, may have little or no information; please complete the questionnaire to the best extent of your knowledge. If you do not have an answer, please feel free to write, "don't know," or "not to my knowledge." It is also encouraged that the questionnaire be completed and returned as quickly as possible, in time for the completion and issuance of the report, as is required. If you have any questions, please call our office at (860) 400-5701.

Site Name: **Goshen SCEF**

Site Address: **129 Bartholomew Hill Rd.**

City/Town: **Goshen** State: **CT** Zip Code: **06756**

Site Owner:

1. To the extent of your knowledge, has a search of *recorded land title records* (or judicial records, where appropriate) been conducted?

   Greenskies ordered a title report and reviewed same.

2. Are you aware of any environmental liens filed or recorded against the *property* under federal, tribal, state, or local law?

   NO

3. Are you aware of any activity use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the *property*, and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

   NO

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

   NO

5. This question applies to users who intend to purchase the *property*: **N/A**

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

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

6. Commonly known or *reasonably ascertainable* information on the *property*:

   (a.) Do you know the past uses of the *property*? **Just the residential use by current landowner**

   (b.) Do you know of specific chemicals that are present or once were present at the *property*? **NO**

   (c.) Do you know of spills or other chemical releases that have taken place at the *property*? **NO**

   (d.) Do you know of any environmental cleanups that have taken place at the *property*? **NO**

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

NO

Please provide copies of any environmental documentation with respect to the *property*. Examples of this type of documentation:

- environmental permits (including but not limited to wastewater, National Pollutant Discharge Elimination System (NPDES), solid waste disposal, hazardous waste disposal, underground injection);
- notices from any government agency relating to the violation of environmental laws;
- safety plans (spill prevention, countermeasure and control plans, safety data sheets);
- underground and/or above ground storage tank documentation;
- previous environmental assessment reports;
- environmental compliance audit reports;
- environmental liens and/or activity use limitations;
- geotechnical studies.

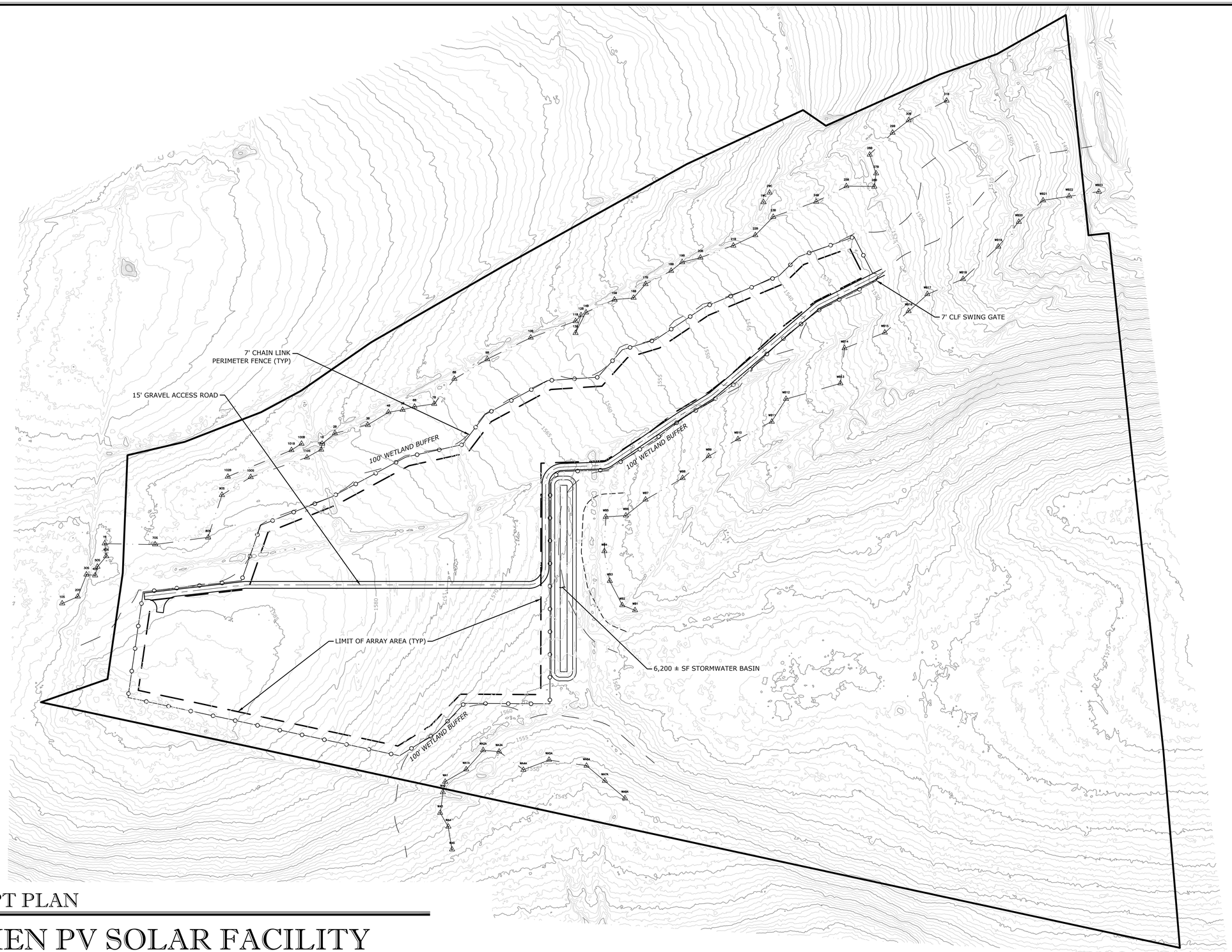
Name of User: **Gina L. Wolfman (Greenskies Clean Energy LLC)**

Title: **Senior Project Developer**

Relationship to Site: **Developer for proposed solar project; future tenant**

Date: **April 1, 2021**

Gina L. Wolfman



CONCEPT PLAN

GOSHEN PV SOLAR FACILITY

129 BARTHOLOMEW HILL ROAD
GOSHEN, CONNECTICUT 3/24/2021

SLR
1350 MAIN STREET, SUITE 1012
SPRINGFIELD, MA
413.241.6920
SLRCONSULTING.COM

0 100' 200' 300' 400' NORTH

PHASE I ENVIRONMENTAL SITE ASSESSMENT OWNER QUESTIONNAIRE

As part of the American Society for Testing and Materials (ASTM) Standard E1527-13 Phase I Environmental Site Assessment (ESA) report, it is required that the "owner" (the owner of the property for which the assessment is being prepared) provide the information below to the best extent of the owner's knowledge in order to help the environmental professional to identify any recognized environmental conditions (RECs) at the property.

Please complete the questionnaire to the best extent of your knowledge. If you do not have an answer, please feel free to write, "don't know," or "not to my knowledge." It is also encouraged that the questionnaire be completed and returned as quickly as possible, in time for the completion and issuance of the report, as is required. If you have any questions, please call our office at (860) 400-5701.

Site Name:

Site Address:
129 BARTHOLOMEW HILL RD

City/Town: GOSHEN

State: CT

Zip Code: 06756

Site Owner:
Joseph Harnett & Barbara Muehlot

Key Manager (if other than owner, with specified knowledge or site):

Please answer to the best of your ability; you have no obligation to answer them.

1. Based on your knowledge of *recorded* land title records for the property, are there any environmental liens filed or recorded against the *property* under federal, tribal, state, or local law?
   NO

2. Based on your knowledge have any activity use limitations (AULs), such as *engineering controls*, land use restrictions, or *institutional controls*, been put in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state, or local law? NO

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

4. Commonly known or *reasonably ascertainable* information about the *property*:

(a.) Have any Environmental Site Assessment Reports been completed for the property?
NO

(b.) Do you know of specific chemicals that are present or once were present at the *property*?
Pyrethrin & Malathion

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?
NO

(d.) Do you know of any environmental cleanups that have taken place at the *property*?
NO

(e.) Does the facility have any current or historical environmental permits (for example, solid waste disposal permits, hazardous waste permits, wastewater permits, NPDES permits, underground injection permits)?
NO

(f.) Are there any safety plans, preparedness and prevention plans, spill prevention plans, countermeasure or other best management practices plans related to operations of the facility?
NO

(g.) Have any reports been completed in relation to hydrogeologic conditions on the property or surrounding area?

Unknown

(h.) Are there any notices or other correspondences from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property?

NO

(i.) Do you have any reports on hazardous waste generation, waste manifests or associated reports?

NO

(j.) Have any underground storage tanks (USTs) been removed, abandoned, or taken out of service from the facility or property?

NO

(k.) Are there any current USTs at the site?

NO

(l.) Has any contaminated soil been discovered and/or remediated at the facility without oversight by an appropriate regulatory agency?

NO

(m.) Do you have any other information you would like to include based on your history with the site in relation to potential environmental risks?

NO

5. Based on your knowledge and experience related to the *property* have there been any releases or spills of chemicals to environmental media (soil, and/or groundwater, and/or surface water) at the *property*?

NO

Please provide copies of any environmental documentation with respect to the *property*. Examples of this type of documentation:

- environmental permits (including but not limited to wastewater, National Pollutant Discharge Elimination System (NPDES), solid waste disposal, hazardous waste disposal, underground injection);
- notices from any government agency relating to the violation of environmental laws;
- safety plans (spill prevention, countermeasure and control plans, safety data sheets);
- underground and/or above ground storage tank documentation;
- previous environmental assessment reports;
- environmental compliance audit reports;
- environmental liens and/or activity use limitations;
- geotechnical studies.

Form Completed By (name): JW Hamm

Title: Owner

Relationship to Site: Owner

Date: 6 April 2021

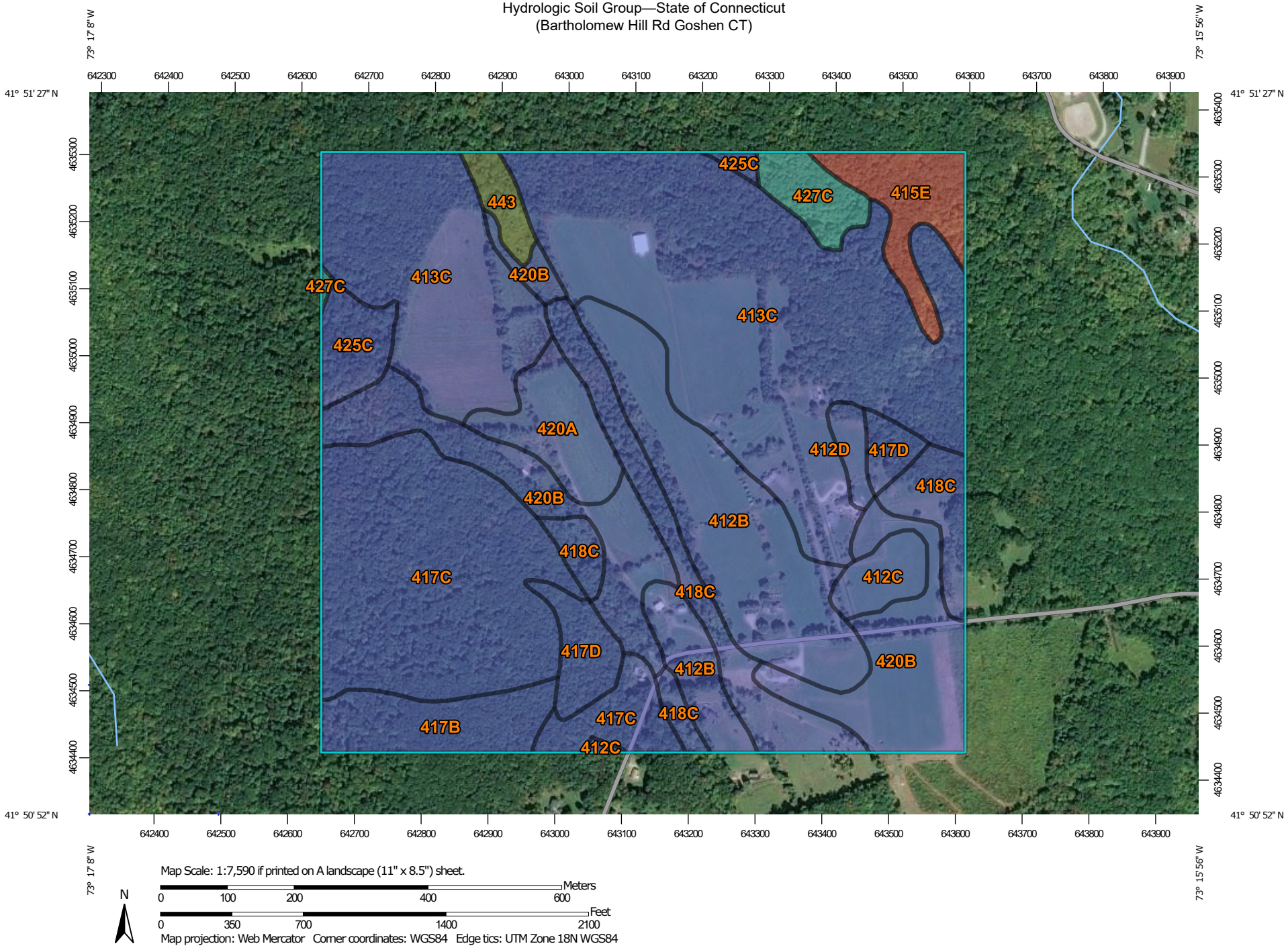
List of Contaminated or Potentially Contaminated Sites

"Hazardous Waste Facilities" as defined by Section 22a-134f of the Connecticut General Statutes

TOWN OF: GOSHEN

Name	Address	Site Definition	Investigation Started	Remediation Started	Post Remedial Monitoring Started	Remediation Completed	ELUR	ELUR Type
54391	375 West Hyerdale Drive	Leaking Underground Storage Tanks – Completed						
Goshen Public Works Department	38 Torrington Road	Leaking Underground Storage Tanks – Rem. Started						
Hugh Allen	48 Old Middle Street	Leaking Underground Storage Tanks – Completed						
Jerry Luman	21 Bear Hill Rd.	Leaking Underground Storage Tanks – Completed						
Mark Brossman Residence	128 Seeley Rd.	Leaking Underground Storage Tanks – Completed						
Miles Residence	East North St.	Leaking Underground Storage Tanks – Investigation						
Mr.henry Schwab	16 Brynmoor Ct.	Leaking Underground Storage Tanks – Completed						
Plant Pump Station #6/527	Beach Street	Leaking Underground Storage Tanks – Completed						
Richard Dufor	29 Tyler Lake Heights	Leaking Underground Storage Tanks – Completed						
Robert Gifford	64 Old Middle St. (rt 63)	Leaking Underground Storage Tanks – Completed						
Ronald Mandle	139 Wells Ford Drive	Leaking Underground Storage Tanks – Completed						
Smith Residence	10 Hyerdale Rd.	Leaking Underground Storage Tanks – Completed						
Transducer Products Inc	211 North Street	Inventory of Hazardous Waste Disposal Sites						
Treasure House	Rte. 63	Leaking Underground Storage Tanks – Completed						

Hydrologic Soil Group—State of Connecticut
(Bartholomew Hill Rd Goshen CT)



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Lines

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Points

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Water Features

Streams and Canals

Transportation

Rails
Interstate Highways
US Routes
Major Roads
Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
Survey Area Data: Version 20, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 23, 2018—Sep 17, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
412B	Bice fine sandy loam, 3 to 8 percent slopes	B	24.4	11.4%
412C	Bice fine sandy loam, 8 to 15 percent slopes	B	3.3	1.5%
412D	Bice fine sandy loam, 15 to 25 percent slopes	B	1.6	0.7%
413C	Bice-Millsite complex, 3 to 15 percent slopes, very rocky	B	74.7	34.8%
415E	Westminster-Millsite-Rock outcrop complex, 15 to 45 percent slopes	D	6.4	3.0%
417B	Bice fine sandy loam, 3 to 8 percent slopes, very stony	B	7.3	3.4%
417C	Bice fine sandy loam, 8 to 15 percent slopes, very stony	B	34.4	16.0%
417D	Bice fine sandy loam, 15 to 25 percent slopes, very stony	B	5.3	2.5%
418C	Schroon fine sandy loam, 2 to 15 percent slopes, very stony	B	15.7	7.3%
420A	Schroon fine sandy loam, 0 to 3 percent slopes	B	6.5	3.0%
420B	Schroon fine sandy loam, 3 to 8 percent slopes	B	24.7	11.5%
425C	Shelburne fine sandy loam, 8 to 15 percent slopes, very stony	B	4.2	2.0%
427C	Ashfield fine sandy loam, 8 to 15 percent slopes, very stony	C	3.7	1.7%
443	Brayton-Loonmeadow complex, extremely stony	C/D	2.2	1.0%
Totals for Area of Interest			**214.5**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

APPENDIX F

LIMITATIONS

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted environmental industry standards and practices applicable to the work described in this report. The opinions presented are subject to the following inherent limitations:

1. This report was prepared for the exclusive use of the entity referenced in Section 1.6. SLR has no liability for this report and its contents to any other entity.

2. This Phase I ESA report is subject to the terms and conditions in the SLR proposal referenced in Section 1.4 and in the contract between SLR and its client under which the work was performed. Any use of the Phase I report constitutes acceptance of the limits of SLR's liability specified in the contract. SLR's liability extends only to its client and not to any other parties who may obtain the Phase I report.

3. SLR derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the Site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions in the report.

4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the scope of work. The scope of work is presented in Section 1.4 and was agreed to by the client.

5. SLR's Phase I ESA reports present professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.

6. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, Site location, and project indicated. This report is not a definitive study of contamination at the Site and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions was not performed as part of this investigation, unless indicated in Section 1.4. No sampling or chemical analyses of structural materials or other media was completed as part of this study unless explicitly stated in Section 1.4.

7. This report is based, in part, on unverified information supplied to SLR by third-party sources. While efforts have been made to substantiate this third-party information, SLR cannot guarantee its completeness or accuracy.

APPENDIX G

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Phase I Environmental Site Assessment

Greenskies Clean Energy, LLC
127 Washington Avenue
West Building, Lower Level
North Haven, Connecticut 06473

May 2021

SCOTT G. BRISTOL, LEP, PG

Principal Consultant

YEARS OF EXPERIENCE

- 14 With This Firm
- 18 With Other Firms

EDUCATION

- BS, Geology / Geophysics
  University of Connecticut

TECHNICAL REGISTRATIONS

- Professional Geologist - NY
- Environmental Professional - CT
- Hazmat Operations Emergency Responder
- HAZWOPER Trained

AFFILIATIONS

- Environmental Professionals of Connecticut
- Brownfield Coalition of the Northeast Advisory Council
- Connecticut Environmental Forum
- Member: East Hampton (CT) Brownfields Redevelopment Agency
- Chairman: CT AWWA Chapter, Residuals Committee

Mr. Bristol is a Licensed Environmental Professional who has 32 years of experience including Phase I Environmental Site Assessments; Phase II and III Site Investigations; and remedial action planning, estimating, and performance. His experience also includes real estate restoration and redevelopment, regulatory negotiations, and regulatory interpretation and his focus is on brownfield site reuse/redevelopment. He is a volunteer member of his local Brownfields Redevelopment Agency and has served as both Chairman and Vice-Chairman. He is also a long-time member of Environmental Professionals of Connecticut and the Connecticut Environmental Forum. He has worked closely with national and regional commercial companies and local and state government agencies. Mr. Bristol is an accomplished Project Manager with a proven ability to effectively organize and lead project teams.

SELECTED PROJECT EXPERIENCE

UTILITY INFRASTRUCTURE

- **Utility Upgrade Project | Waterbury, CT**
  Project Manager in charge of the investigation and assessment of known or suspected environmental contamination issues along East Main Street in Waterbury, Connecticut. Work included a Phase I Corridor Assessment as well as the installation of multiple borings and microwells to assess actual conditions based upon the analysis of likely contaminants of concern. The collected site data was then used as the basis for determining appropriate health and safety protocols and soil handling/management requirements.

- **Utility Client | CT and MA**
  Project Manager responsible for scope development, budgeting, and project execution for multiple and wide-ranging Eversource projects. Most projects have involved soil characterization and assessment for infrastructure / capital improvement projects. Projects have been located throughout Connecticut and Western Massachusetts including in the Towns of New Canaan, Milford, Weston, Torrington, Newtown, Hartford, Durham, East Haddam, Montville, Waterford, Southington, Middlefield, Greenwich, and Manchester.

- **Utility Client**
  Project Manager responsible for scope development, budgeting, and project execution for multiple and wide-ranging utility projects. Most projects have involved soil characterization and assessment for infrastructure / capital improvement projects. Projects have been located throughout Connecticut and Western Massachusetts.

- **Utility Client | CT**
  Project Manager responsible for wastewater discharge permitting for a new central service center constructed for a CT based electric utility. Permitting efforts included a review of system components, recommendations for operational efficiencies related to the discharge and coordination with regulatory activities.

BROWNFIELD REDEVELOPMENT

- **Site Acquisition & Reuse Planning | Easthampton, MA**
  Project Manager responsible for the evaluation of existing data and the collection of new environmental data for a former textile mill on behalf of a prospective purchaser of the mill. Redevelopment plans included partial site demolition and the conversion of historic portions of the mill structures to high-end apartments and condominiums. Project work included likely environmental liabilities as well as the impacts of the environmental conditions upon site redevelopment planning. Recommendations included potential modifications to the redevelopment plan to minimize overall project environmental liabilities.

- **Site Acquisition & Reuse Planning | Avon, CT**
  Licensed Environmental Professional responsible for assisting a well-known regional developer with the evaluation of environmental data associated with a planned large, multiparcel, mixed-use development. The site is the former location of a large manufacturer of explosive components such as fuses and other items. Initial work included the review of all available environmental documents and providing opinions to the development team concerning the potential long-term liabilities and the possible application and implications of the Connecticut Transfer Act. Subsequent work included recommendations for additional due diligence investigations and the potential consequences of the findings of those investigations. Work has included analysis of various "what if" scenarios associated with the potential environmental impacts. Contaminants of concern included chlorinated solvents, residual petroleum compounds, polyaromatic hydrocarbons, residual explosive compounds, metals, and pesticides. Other issues included managing and/or removing an area historically used for the disposal of solid waste. Due to the significant interest of both buyer and seller to have the planned development come to fruition, recommendations have been made to cost-effectively manage the environmental investigations and remediation of the various areas of concern, helping to ensure the economic viability of the development project.

- **Site Acquisition & Reuse Planning | Ridgefield, CT**
  Project Manager responsible for assisting the Town of Ridgefield with the acquisition of a 40+ acre former corporate headquarters and research and development facility located near the center of town. The town desired to acquire the facility and the land in order to secure the development rights for the land as well as to provide for increased municipal facilities. Initial work included the review of all available environmental documents and providing expert opinions to the Board of Selectmen concerning the potential long-term liabilities to the town and the impact of the Connecticut Transfer Act upon the contemplated transaction. Subsequent work included due diligence investigations and recommendations concerning financial impacts to the town, both near and long term. Involvement with the project has continued postacquisition and has included assistance and advice regarding site redevelopment, building demolition, and potential subsequent transfers of ownership of portions of the property.

- **Site Assessment/Investigation | Stratford, CT**
  Project Manager and Licensed Environmental Professional responsible for planning and conducting fast-track environmental due diligence investigations of a former industrial property in Stratford, Connecticut. The client was interested in the purchase of this abandoned Transfer Act property for the development of a hotel and mixed use building. The investigations revealed

the presence of a previously unknown area of significant soil and groundwater contamination. Further investigations were performed to help identify remedial options and cost estimates for remediation. The remedial options were tailored to the site development plans. Additional activities included building abatement cost estimating, building demolition estimates and geotechnical investigations.

- **East Hartford Site Assessment Program | East Hartford, CT**
  Project Manager and LEP responsible for scope development and work plan execution for the East Hartford Brownfield Assessment Program. The Town of East Hartford was the recipient of grant funds to assess various brownfield properties. As part of the program, Phase I/II/III and similar assessments were performed on several properties ranging from a long abandoned building redeveloped into a coffee shop, to an existing dry cleaning establishment, to an East Hartford housing authority building, to a large commercial property. The later, a former Showcase Cinemas, underwent additional studies including hazardous building material surveys. Ultimately, under arrangement with the Capital Region Development Authority, plans, specifications, and cost estimates were prepared for the demolition of the structure and the preparation of the site for potential interested developers.

- **Waterbury Brownfield Redevelopment (Food HUB) | Waterbury, CT**
  Project Manager and Licensed Environmental Professional responsible for assessment and remediation of a brownfield property in Waterbury, Connecticut. The site is the location of a farm produce processing and washing facility. The site investigation and remediation have been funded using an EPA Brownfield grant administered by the CT Department of Economic Development. Several options for remediation were evaluated and based upon cost projections, an engineering control was determined to be the most cost effective solution to allow the development to proceed within available funding.

- **Seaview Avenue Site Remediation & Reuse Planning | Bridgeport, CT**
  Responsible for evaluating past site assessment data at a 16-acre former industrial site located along the Yellow Mill Channel and the Bridgeport Regional Maritime Complex and evaluating impacts of the contamination upon the planned site development. The parcel is a portion of the former Carpenter Technology site and had soil and groundwater contamination consisting of heavy metals, petroleum hydrocarbons, and PCBs. The site contamination issues have long hindered the city's efforts to identify a site reuse plan and to locate a developer. The proposed site development plans were developed to appropriately manage soil and groundwater issues while still allowing for a site plan that contains mass transit opportunities, community spaces, pedestrian-friendly streets, open spaces, waterfront development, extensive landscaping, and environmentally sustainable design practices supporting mixed-use commercial and retail buildings and uses.

- **Tingue Dam Bypass Channel Site Assessment, Remediation, & Reuse Planning | Seymour, CT**
  Responsible for the environmental investigation of subsurface contamination issues at Tingue Dam Bypass Channel. This construction project was designed to allow for fish passage around the historic dam. The bypass channel was routed through a former mill complex located along the bank of the Naugatuck River and site soils had been contaminated during the many years of industrial activity at the site. Worked closely with and provided advice to the Connecticut Department of Energy & Environmental Protection, the U.S. National Oceanic and Atmospheric Administration, and the entire project team to develop plans and specifications to allow for the management of contaminated groundwater and soil in a cost-effective and safe manner. Provided support during construction to manage the environmental activities and to ensure compliance with the project plans and specifications.

- **Penobscot River Restoration, Howland Dam Bypass Channel Subsurface Investigation - Site Assessment & Reuse Planning | Howland, ME**
  Conducted a subsurface environmental assessment to support the development of a preliminary design of a fish bypass

channel at the Howland Dam. The dam was the former location of a large mill complex. Analyzed the physical and chemical data generated as a result of the subsurface investigations and summarized the findings within the preliminary design documents. Over 9,000 lines of chemical data were compared to applicable Maine Department of Environmental Protection thresholds. Geologic cross sections and profiles were created to graphically present the types of materials encountered during drilling. All activities from mobilization to sample collection to data interpretation and presentation were completed in a period of 21 days.

- **Harbor Brook Flood Control Site Reuse Planning | Meriden, CT**
  Environmental Professional responsible for the evaluation of environmental condition of soil and groundwater at the planned location of a large flood control (storage) project in the highly urbanized center of the city. The site was formerly the location of a large industrial mill complex but had more recently been used as the location of a shopping mall. Harbor Brook, which runs under the site within a twin box culvert, is planned to be opened and the entire area excavated to allow for future storage of stormwater and to help alleviate flooding. Project plans require the removal of an estimated 50,000 cubic yards of soil. Assisted the project team with the development of site remediation plans, the design of an engineered control to limit exposure to remaining soil contamination, negotiations with the Connecticut Department of Energy & Environmental Protection, and the development of construction specifications including pre-planning for the disposal of controlled materials and the management and treatment of contaminated groundwater.

- **Site Acquisition | Southington, CT**
  Provided Phase I and Phase II environmental assessments at an industrial property in Southington, Connecticut. Due to financing and purchase agreements, the client's due diligence period was extremely compressed. As a result, all work was performed on an expedited basis. In order to comply with the customer's schedule, initiated a Phase II investigation concurrent with the Phase I. Potential source areas for soil and groundwater impacts were evaluated based upon initial site inspections and a review of the site history. Several groundwater monitoring wells were installed to evaluate the subsurface conditions. Soil and groundwater samples were collected and analyzed on an expedited basis. SLR successfully mobilized internal resources to meet and exceed our customer's expectations concerning the due diligence schedule. Final reports detailing the findings of the Phase I ESA and the Phase II subsurface investigations were submitted within 3 weeks of receiving the initial project authorization.

- **New Britain Department of Public Works Yard Structures | New Britain, CT**
  Oversaw an asbestos and hazardous materials survey at two structures associated with the Department of Public Works Yard located in New Britain, Connecticut. Identified and quantified suspected accessible asbestos-containing materials (ACMs), lead-containing paints (LCPs), and polychlorinated biphenyl (PCB) materials within the two Site buildings. The assessment was performed for the potential redevelopment of the Site as part of the Brownfields Area Revitalization (BAR) Grant project.

SOLID WASTE LANDFILLS

- **Solid Waste Landfill | Redding, CT**
  Assisted the Town of Redding, Connecticut with various permitting and compliance issues associated with the closed solid waste landfill. Work has included preparation of Stormwater Pollution Prevention Plans, Stormwater Discharge Permits, and assistance with the analysis of excess stored materials and development of potential disposal solutions; landfill inspections including mapping of groundwater and landfill leachate seepage; inspection for slope erosion; and development of potential corrective actions regarding the previously approved landfill cap. Many of the activities have been conducted in response to a Notice of Violation issued by the Department of Energy & Environmental Protection.

- **Historic Solid Waste Landfill | Orange, CT**
  Obtained on behalf of the property owner and developer a permit from the Department of Energy & Environmental Protection to excavate approximately 12,000 cubic yards of this historic, unpermitted solid waste disposal area. As part of the permitting process, developed and issued a plan to manage the excavated solid waste, segregate the solid waste from surrounding soils, conduct sampling of the underlying soils to demonstrate the efficacy of the waste removal and conduct sampling of the remaining soils prior to on-site reuse as borrow material. Ancillary permits obtained included inland wetlands and zoning permits. Provided supervision of all waste excavation and removal activities, including implementation of the approved post-closure monitoring plan. Once fully restored, the site will be developed for residential housing units.

EDUCATIONAL

- **Bristol West Side | Bristol, CT**
- **Groton Schools | Groton, CT**
- **Orchard Hill | South Windsor, CT**
- **Bethel Schools | Bethel, CT**
- **Holland Hill | Fairfield, CT**
- **Deans Mill, West Vine | Stonington, CT**

- **Bristol K-8 Site Selection & Feasibility Consultation Environmental Assessment | Bristol, CT**
  Project Manager and Licensed Environmental Professional assisting the City of Bristol with the assessment of several properties being considered for acquisition as part of a school expansion program. Services provided included Phase I and Phase II Environmental Site Assessments and general LEP consulting services regarding the overall needs to conduct additional assessments and remediation at both "establishment" and non-establishment parcels. Data was collected, evaluated, and interpreted for city personnel and Corporation Counsel for subsequent use in purchase negotiations and land use planning.

ENVIRONMENTAL SITE ASSESSMENTS, REMEDIATION & CONSULTING

- **Industrial Facility | Watertown, CT**
  Licensed Environmental Professional responsible for conducting Phase II and Phase III investigations and site remediation planning, budgeting, and environmental oversight at a now former industrial facility in Watertown, Connecticut. The facility is owned and operated by a large multinational industrial manufacturer and is subject to the Connecticut Property Transfer Act. Work at the facility has spanned nearly 15 years and has included initial soil and groundwater assessment activities, removal of 12 underground storage tanks, cleaning and abandonment-in-place of 37 underground storage tanks, remediation of several areas of concern, additional soil and groundwater delineation, and site remediation verification activities in accordance with the Transfer Act. Additional services have included the development of plans and specifications associated with building decommissioning, including the cleaning and/or removal of all process piping, all process equipment, various tanks, mixers, and air handling equipment. The site has been verified as clean and the CTDEEP has approved the verification.

- **Former RCRA Facility | Cheshire, CT**
  Project Manager and Licensed EP for a large former RCRA facility located in Cheshire, Connecticut. The site has a long history of environmental investigations by state and federal agencies over a period of nearly 30 years. Compiled the historical information and developed investigative plan to complete assessment activities in compliance with the CT Transfer Act and the Site Characterization Guidance Document. Additional Phase II and Phase III investigations have been completed. Preliminary

plans have been developed to address the remedial needs of the few remaining areas of environmental concern.

- **Transfer Act Site | Cheshire, CT**
  Project Manager and Licensed Environmental Professional for a former industrial property in Cheshire, Connecticut. The property had been subject to investigations by the EPA due to its location within an area of known groundwater contamination and within an aquifer protection zone. The property ownership was transferred in accordance with the Connecticut Transfer Act and Phase II and Phase III investigations have been completed. A Completion of Investigation Report is being prepared in anticipation of a Site Verification.

- **Former Industrial Property | Wallingford, CT**
  Project Manager associated with the evaluation of environmental data at a former industrial site in Wallingford, Connecticut. Historic and current data was reviewed, analyzed, and summarized for a potential purchaser of the parcel. Short- and long-term environmental liabilities were estimated for use in subsequent negotiations with the current owner.

- **Brewer Street Environmental Site Assessments | East Hartford, CT**
  Project Manager responsible for conducting Phase I and Phase II environmental site assessments for two parcels being considered by the Town of East Hartford for the construction of a new firehouse. Both parcels were portions of larger "establishment" parcels. Investigative approach involved the collection and analysis of soil, groundwater, and soil vapor samples. Professional opinions were offered regarding the nature and extent of soil and groundwater impacts, the anticipated cost to remediate the parcels, and the applicability of the Connecticut Property Transfer Law. Options were summarized for use by town officials and Corporation Counsel as part of purchase negotiations.

- **Rentschler Field Environmental Compliance | East Hartford, CT**
  Project team member responsible for the review and compliance with environmental policies and procedures in place for the characterization, handling, and management of soils generated during the performance of design investigations. Field investigations were necessary for the proper evaluation of geotechnical concerns associated with the planned parking, drainage, and roadway improvements. These investigations involved work in areas of known or suspected environmental concerns. Coordination of personnel and subcontractors was necessary to ensure compliance with applicable procedures.

- **North Main Street Extension Brownfields Development Site | Wallingford, CT**
  Project Manager responsible for the evaluation of environmental data at a property in Wallingford, Connecticut that has historically been underutilized. Conducted a review of all environmental data on behalf of a prospective purchaser of the parcel and provided advice regarding potential future assessment and remediation needs as well as quantifying overall environmental liability associated with soil and groundwater impacts.

- **Penobscot River Intake & Raw Water Pump Station | Old Town, ME**
  Project team member responsible for reviewing and evaluating prior environmental data pertaining to PCB-impacted soils in the vicinity of the electrical transformer yard. Identified implications to the proposed routing of water supply piping and provided the project design team with alternatives to excavation and management of impacted soils. Evaluated management options relative to TSCA regulations.

- **Yale University Environmental Assessment & Waste Disposal | New Haven, CT**
  Project Manager responsible for the assessment and characterization of soil contamination resulting from historic use of contaminated fill materials at an athletic facility. Improvements to the existing facility were planned and a preconstruction environmental assessment performed. Materials were properly characterized and identified for off-site disposal.

- **Thames Street Rehabilitation Environmental Site Assessment | Groton, CT**
  Project Manager responsible for conducting Task 110 Corridor Land Use Evaluation associated with the planned reconstruction of Thames Street in Groton, Connecticut. The assessment included the evaluation of past and present land uses and the possibility those land uses resulted in environmental impacts to soil and groundwater that had the potential to adversely affect the construction of roadway improvements.

- **Whitney Center Expansion | Hamden, CT**
  Project Manager for the performance of due diligence investigations of a site used as a residential and continuing care facility for the elderly in Hamden, Connecticut. The facility, which was undergoing significant expansion, was constructed at a location formerly used for the disposal of waste material associated with a gunpowder and munitions manufacturer. Subsequent to the performance of due diligence investigations, coordinated and oversaw numerous phases of pre-demolition inspections for hazardous and/or regulated materials such as lead, asbestos, and universal wastes and post-removal confirmation inspections.

- **Highland Ridge Estates Environmental Site Assessment | Winsted, CT**
  Project Manager responsible for the performance of a time-sensitive environmental site assessment in northwestern Connecticut. Site inspections and site history evaluations were performed for a 600-acre tract of land. Client was provided with a report of findings within 7 days of giving the authorization to proceed.

- **Rails-to-Trails/Trails**
  Project Manager responsible for environmental investigations and the development of plans and specifications for the management of controlled materials resulting from the construction of numerous sections of various rails-to-trails projects in Connecticut and Massachusetts. Locations of the trail projects include or included, New Haven, Cheshire, Southington, Stamford, Chicopee, Braintree, Plymouth (MA).

- **Waste Characterization, Rails-to-Trails | Southington, CT**
  Project Manager responsible for the sampling and characterization of creosote-treated railroad ties located along an abandoned railroad corridor. The corridor is the location of a section of a planned linear trail and nearly 2,500 ties will require off-site disposal.

- **Choate Rosemary Hall Site Assessment | Wallingford, CT**
  Conducted Phase II Environmental Site Assessments at an on-campus building formerly used as a dry cleaning laundry facility. Work included the installation of soil borings, groundwater monitoring wells, and the collection of soil and groundwater samples. Results were compared to the Connecticut Remediation Standard Regulations and recommendations were made for additional site remediation actions. Subsequent work included the planning and supervision of the removal of an underground storage tank from an area of the property with extremely limited access.

SEDIMENT SAMPLING AND ANALYSIS

Project team member responsible for the development of sediment sampling plans associated with the design of various dredging and/or dam removal projects throughout Massachusetts. Coordinated the sampling and data collection activities and then provided an analysis of the contaminant data with respect to 401 Water Quality Certification requirements and ecological effects thresholds. Additional evaluations were typically made regarding the applicability of the provisions of the Massachusetts Contingency Plan and the effect of the noted chemical constituents upon the overall project design. Example projects include:

- Rattlesnake Brook Dam Removal
- Charles River (Watertown) Dam Removal
- Holmes Dam Removal
- High Street Dam Removal
- Quinapoxet Dam Removal
- Rockport Mill Pond Restoration
- Hamilton Reservoir Dredging Design
- Off-Billington Street Dam Removal
- Plymco Dam Removal

- **PCB Assessment**
  Project Manager in charge of the assessment of PCB contamination in soil surrounding several State-owned buildings in a central Connecticut municipality. Work included the development of appropriate sampling plans, the collection of samples in three-dimensions, the estimation of anticipated removal quantities and cost. Work also included communication and negotiation with state and federal regulators and attorneys for both buyer and seller of the buildings and land.

- **PCB Remediation**
  Project Manager in charge of a $1MM PCB assessment and remediation for a local utility. Work has included the collection of numerous samples at multiple depths on an appropriate sample grid. Based upon the assessment work, plans were developed to perform the removal of impacted soils on an expedited basis due to the potential for public concern. Plans and specifications were developed and a contractor for the removal of the soil was retained. Daily coordination and oversight of the contractor was performed. Once complete, project close-out documentation will be prepared. Work is nearly complete.

- **Choate Pond Restoration | Wallingford, CT**
  Assisted the pond restoration project team with the sampling, analysis, and evaluation of the chemical constituents of the sediment in the upper and lower ponds. Evaluated potential release mechanism in local watershed area and developed a sediment sampling plan. Evaluated the chemical analysis results and provided guidance regarding disposal and/or reuse options.

- **Pardee Brook Sediment Sampling & Channel Restoration Plan | Hamden, CT**
  Project Manager responsible for the development of sampling plans and the direction of field activities to evaluate the environmental quality of sediment that had accumulated within a large drainage diversion channel. Restoration plans were subsequently developed for the removal of nearly 10,000 cubic yards of contaminated sediment and the restoration of channel geometry. Additional project tasks included coordination of permits at the local, state, and federal level.

- **Neponset River Sediment Analysis & Riverbank Restoration | Boston, MA**
  Project team member responsible for the collection of sediment samples to support the plans for dam removal and river restoration near Boston, Massachusetts. Sediments were determined to be contaminated with PCBs, PAHs, and heavy metals. Plans were developed and cost estimates prepared for selective removal of sediments and the capping-in-place of riverbank materials in accordance with state and federal requirements.

- **Wapping Road Dam, Jones River Sediment Analysis | Kingston, MA**
  Project team member responsible for the analysis of contaminant data associated with sediment located behind a dam in Kingston, Massachusetts. Data were evaluated with respect to 401 Water Quality Certification requirements and ecological effects thresholds. Additional evaluations were made regarding the applicability of the provisions of the Massachusetts

Contingency Plan due to the fact that some sediment would become exposed subsequent to dam removal and therefore become regulated as soil.

- **University of Connecticut, Environmental Assessment of Sediments, Mirror & Swan Lakes | Storrs, CT**
  Project team member responsible for the assessment and characterization of anthropogenic contamination in the sediments of Mirror and Swan Lakes on the Storrs campus of the University of Connecticut. A feasibility assessment was performed for the sediment dredging and overall deepening of the lakes. The environmental assessment determined that the sediments contained typical urban runoff contaminates. A protocol was developed and implemented for supplemental sampling to support the planned lake restoration activities. Multilevel sediment sampling was conducted to provide additional information concerning the disposal options available for the removed sediments.

- **Hilliards Pond Dam Removal / Restoration | Manchester, CT**
  Project team member and Licensed Environmental Professional responsible for assessing current soil/sediment conditions in the area of the former Hilliard's Pond Dam. Characterization of the environmental status of the soil and sediment was necessary to allow for the development of stream restoration plans. The sediment within and adjacent to the stream channel had become impacted by years of accumulation of sediment containing a variety of typical urban contaminants. Soil and sediment samples were obtained based upon a number of data quality objectives: to determine the quality of the material to be relocated; to determine the quality of the material in the area where the removed sediment was to be placed; and to determine the quality of material that would remain in the newly reconstructed channel. The relocated material and the reuse area were evaluated with respect to the CT Remediation Standard Regulations while the remaining stream bed material was evaluated with respect to risk-based consensus ecological screening levels. The stream restoration and sediment reuse plan was developed, finalized and negotiated with the CT Department of Energy and Environmental Protection.

- **Ledgebrook Condominiums | Norwalk, CT**
  Project team member and Licensed Environmental Professional responsible for assessing the environmental quality of accumulated sediment in a shallow ponded area of Keeler Brook and within a condominium complex. The homeowners association sought to restore the water quality of the pond by dredging the accumulated sediment. The sediment was shown to have contaminants indicative of typical urban runoff and required special handling. A plan to manage the dredged sediment by stabilizing it and reusing the resulting material to create various landscape features throughout the property was developed. Additional samples were obtained of the removed sediment subsequent to stabilization to ensure the contamination concentrations were less than the applicable CT Department of Energy and Environmental Protection sediment reuse criteria.

PERMITTING

- **Wastewater Discharge Permitting | Statewide, CT**
  Project Manager responsible for permitting, permit renewal, and permit compliance evaluation and audits of approximately 30 facilities located throughout Connecticut. These facilities are operated by a major water company and must maintain compliance with a variety of wastewater discharge permits. In some cases, permit compliance issues have necessitated engineering solutions for the elimination of the causes of the noncompliance issues.

- **Mill River Restoration Permitting Consultation | Stamford, CT**
  Provided general permitting support to the City of Stamford and the U.S. Army Corps of Engineers related to the removal and off-site disposal of sediments contaminated by anthropogenic sources.

- **West Beach Park | Stamford, CT**
  Assisted the City of Stamford with permitting issues associated with planned installation of a synthetic turf playing surfaces. Provided testimony in front of local inland wetlands and zoning agency concerning the low potential for environmental effects due to the raw materials used in the manufacturing and construction of the playing surface.

- **Power Plant Customer | Milford, CT**
  Project Manager responsible for NPDES permit-related activities including permit renewals and ensuring compliance with applicable cooling tower and boiler blowdown wastewater discharges. Compliance sampling was conducted in accordance with existing NPDES and SPDES permits. Successive permit excursions with regard to aquatic toxicity limits resulted in additional evaluations and investigations into the root cause of the toxicity. Work included the performance of Toxicity Investigation Evaluations (TIE) and multiple communications with Department of Energy & Environmental Protection personnel. A comprehensive review of all treatment chemicals and processes was performed as well as a review of the potential chemical interactions. Subsequent, unrelated investigations included an evaluation of the chemical and physical composition of the intake water and the relationship to particulate emissions. Additional activities have included the preparation, submittal, and negotiation of permit renewal packages for the plant wastewater discharges.

- **Power Plant Customer | Middletown, CT**
  Project team member responsible for revision and resubmittal of a NPDES permit for a large combined-cycle, natural gas fired power plant. Modifications were made based upon changes to the original plant design. These changes resulted in a modification of the intended discharge streams and the chemicals utilized at the site. Additional assistance was provided with regard to numerous other permit applications for miscellaneous wastewater discharges that resulted from both plant construction and commissioning activities. Many applications required extensive work investigating process flow, chemical compatibility, and toxicity. More recently, activities have included the preparation and submittal of NPDES permit renewal applications.

- **Gas Main Installation | Middletown, CT**
  Prepared and obtained permits for the discharge of wastewater associated with hydrostatic testing of new natural gas pipelines. Coordinated and performed necessary water sampling.

- **Gas Main Installation | New Milford, CT**
  Prepared and obtained permits for the discharge of wastewater associated with hydrostatic testing of new natural gas pipelines. Coordinated and performed necessary water sampling.

- **Gas Main Installation | Waterbury, CT**
  Prepared and obtained permits for the discharge of wastewater associated with hydrostatic testing of new natural gas pipelines. Coordinated and performed necessary water sampling.

WATER SUPPLY EVALUATION

- **Johnsonville Water Supply Evaluation | Moodus, CT**
  Project Manager responsible for the water supply development feasibility evaluations for a planned community in southeastern Connecticut. The feasibility evaluation included the installation of deep bedrock test wells and the performance

of yield tests. The overall feasibility was hampered by the presence of a surface water impoundment and the constraints imposed as a result of the planned community sanitary waste disposal system.

- **Long-Term Potable Water Study | New Fairfield, CT**
  Evaluated existing groundwater and soil contamination data throughout the commercial zone of New Fairfield. From this data an estimate was made, in conjunction with the evaluation of alternatives to existing potable water supplies, of the areas of known or suspected current groundwater contamination as well as an evaluation of the areas that could reasonably be expected to have groundwater contamination in the future.

TRANSFER ACT

- **Transfer Act Site, Horse Hill Road | Westbrook, CT**
  Project Manager and Licensed Environmental Professional assisting the Town of Westbrook with a proposed property transfer. The transaction was a land swap, and the services provided included a review of all available data for all affected properties as well as an evaluation of assessment and remediation needs at all properties. The parcel that met the definition of an establishment contained numerous contaminates in soil and groundwater including heavy metals, chlorides, and other hazardous wastes. Special attention was given to an area of waste disposal that had resulted in shallow soil contamination. Some of these contaminants appeared to have the potential to be present off site. One of the other parcels involved in the land swap included a residential parcel and contained lead at relatively high levels in the shallow soils. The data was reviewed, the need for additional data collection identified, and probable remediation needs and costs as required under the state regulations quantified.

ATHLETIC FACILITIES

- **Evaluation of the Environmental Effects of Synthetic Turf | Multiple Sites, CT**
  Project Manager and principle author of a year-long study of the environmental effects of crumb rubber in-filled synthetic turf athletic fields. This study included the collection of air, water, and material samples for comparison to established risk-based exposure criteria. The study also included an evaluation of the potential for heat transfer from the fields to the air directly above the fields. The study required the derivation of field methodologies for the collection of air samples. Portions of these methods were subsequently adopted by the Connecticut Department of Public Health and the University of Connecticut as well as the New York City Department of Environmental Protection and New York State Department of Environmental Conservation for use in subsequent studies.

- **Fairfield Country Day School | Fairfield, CT**
  Project team member responsible for the assessment of potential environmental risk posed by an installed synthetic playing field. Work conducted included the collection of water samples and analysis for chemicals of interest. Results supported a finding of no risk. Results were presented to a local agency over several nights of testimony.

- **High School Athletic Field Reconstruction | Enfield, CT**
  Provided overall project support and opinion regarding compliance with a remediation action plan to isolate pesticide containing soils. Worked closely with in-house construction managers to ensure timely acceptance of project approvals thereby enabling achievement of project goals and deadlines.

MISCELLANEOUS

- **Roadway Improvements**
  Project Manager in responsible charge of multiple environmental site investigations and assessments in support of roadway improvement projects throughout the State of Connecticut. Municipalities where the work was performed include Greenwich, Waterbury, Stamford, Farmington, Danbury, Redding and others. Work included the performance of Task 110/210 investigations in accordance with DOT protocols and the compilation of plans and specifications for the handling and management of controlled and contaminated media.

- **Intersection Improvements on Route 177 at New Britain Avenue, Mill Street, & CT Route 4 (State Project No. 051-269) | Farmington, CT**
  Project Manager for the performance of a Task 210 subsurface investigation and a Task 310 plans and specifications associated with the planned improvements to the intersection of Route 177 at New Britain Avenue in the Unionville section of Farmington, CT. Investigation included a review of the previously conducted Task 110 and the development of an investigation work plan for the Task 210 investigation. Work included the installation of several soil borings in areas of potential environmental impacts. Data was evaluated and presented to the roadway design team for consideration in the final design. The project plans were reviewed and estimates of the need for special soil management and handling procedures were developed.

- **Chase Avenue Widening & Reconstruction (State Project Nos. 151-296 & 151-297) | Waterbury, CT**
  Project Manager for the performance of a Task 210 subsurface investigation and a Task 310 plans and specifications associated with the planned improvements to Chase Avenue in Waterbury, Connecticut. Investigation included a review of the previously conducted Task 110 and the development of an investigation work plan for the Task 210 investigation. Work included the installation of approximately 30 soil borings in areas of potential environmental impacts. Data was evaluated and presented to the roadway design team for consideration in the final design. The project plans were reviewed and estimates of the need for special soil management and handling procedures were developed.

- **Derby Senior Center | Derby, CT**
  Evaluated an existing vapor and water abatement system. System required troubleshooting to determine cause of malfunction. Recommended and effected repairs that resulted in the proper operation of the abatement system.

- **Founders Village | Branford, CT**
  Conducted environmental inspections of a development site in response to local complaints of improper disposal of waste materials. Provided written and verbal testimony of findings over several nights of local planning agency hearings.

- **Proposed Retail Development | Bridgeport, CT**
  Provided regulatory interpretation assistance to a potential developer of a large brownfield parcel in Bridgeport. The proposed development includes several new buildings and associated intrastate constructed on a waterfront parcel with a long history of industrial use. Significant soil and groundwater contamination exists at the site. Work performed included providing evaluation of development concepts and necessary actions to comply with approved remedial action plan.

- **Hazardous Waste Remediation**
  Project Manager responsible for all aspects of the remediation of lead impacted soil from the location of a large water storage tank. The tank was approximately 80 years old and through the use of lead-based paint on the tank, the soil had become

impacted with lead to the extent that the soil was characteristically hazardous and required disposal as hazardous waste. The performed work included delineation of impacts, contractor selection, contractor oversight, confirmational sampling and analysis, disposal coordination and closure documentation. Work also included support to the client for negotiations with the municipal property owner.

- **Private Owner | Larchmont, NY**
  Provided engineering and construction oversight associated with the removal of a large bulk petroleum storage tank. Due to a significant number of buried utilities, the tank needed to be cut into individual sections prior to removal from the ground. Upon removal, contaminated soil was excavated and disposed off site. Other work performed for this client included the inspection of an existing steel beam and wood bridge that provides the sole access to the property and the subsequent design and bidding support for the replacement of the bridge.

- **Choate Heating Oil Tank Removal | Wallingford, CT**
  Provided LEP oversight for Choate Rosemary Hall's multiyear underground storage tank removal/replacement program. Supervised the collection of soil and groundwater samples and subsequent analysis in accordance with CTDEEP guidance and regulations. Provide guidance regarding soil disposal options.

- **Choate EPA Generator ID Evaluation | Wallingford, CT**
  Assisted Choate Rosemary Hall with waste generation and disposal procedures. Work also included evaluation of regulatory compliance associated with the generation of solid and liquid wastes in accordance with the Resource Conservation and Recovery Act.

- **Choate FOG Compliance | Wallingford, CT**
  Provided project management associated with the permitting, design, and installation of new facilities for the separation of fats, oils, and greases from the existing wastewater discharges from the food preparation kitchen at Choate Rosemary Hall. Space and grade constraints required two FOG separators installed in series to achieve the required treatment efficiency.