



Farm Production and
Conservation

January 29th, 2021

Farm
Service
Agency

TO: Kristi Lieske
Program Administrator
Delaware Coastal Management Program
100 W. Water Street, Suite 7B
Dover, DE 19904
DNREC_FederalConsistency@state.de.us
(Send via email)

Sussex County
21315 Berlin Rd, Unit 1
Georgetown, DE 19947

P: 302-856-3990 Ext. 2
F: 855-401-1964

FROM: USDA Farm Service Agency Facility Loans

SUBJECT: Request for Concurrence

The USDA, Farm Service Agency (FSA) is completing an environmental review of the proposed construction of a new Grain Farm Storage Facility using two USDA Farm Storage Facility Loans. The project will consist of grain storage bins on poured concrete footings, grain dryer equipment, handling augers/tubes, a grain dump, controls/building, electrical installation/trenching, propane, etc. The area of disturbance is located on a 18.4 acre tract located on West Stein Highway West of Seaford, Delaware. The project is referred to as the [REDACTED] farm, tax map 531-12.00-83.02. The project is located South side of RT 20 (Stein Hwy), 1100' West of CR 553, approximately 0.5 mile West of the Town limits of Seaford (at 4722 West Stein Hwy). The area is in a rural part of the county and it is surrounded by farmland, farms, and single family homes. There is one commercial and one private grain facility within sight of this project. The tract is mostly cropland with a workshop, storage shed, and pesticide shed. There is no residence on the tract, the property is used for support for [REDACTED] farming operations in Sussex County. It is proposed that the project will disturb less than 1 acre of cleared ground (currently fallow cropland). In prior years the farm was used as a farm producing grain crops. A stormwater permit for the project will be obtained after approval by the Sussex County Conservation District.

There is currently a utility line and driveway running down the center of the farm that will be utilized for the proposed facility. The Grain Facility will be located on the Northeast side of the property, 200 feet North of the pesticide shed. Only the area necessary for the proposed construction will be disturbed.

FSA requests a consistency review of the proposed actions associated with the above referenced project pursuant to Section 307 of the Coastal Zone Management Act.

Enclosed are the following:

- Location map
- Aerial view of property for its current use
- FEMA flood map
- GIS topo map
- Soils map
- Drawings of project location or footprint and related design plans as appropriate



United States Department of Agriculture

The proposed action would include such activities as: the construction of a grain storage and handling facility on existing cropland.

FSA is providing notification it anticipates the proposed Federal action would [not] affect coastal uses or resources of the State of Delaware. Your concurrence with this determination is requested within thirty (30) days of the email delivery receipt or delivery of this letter based on standard United States Post Office delivery schedules not to exceed 5 days from the related post mark. If we do not hear from you within the specified time frame it will be assumed that you are in agreement and have no further interest in this matter.

Please feel free to contact Caitlin V. Sheffer at 302-856-3990 Ext. 2 or caitlin.sheffer@usda.gov should you have any questions or need further information. Correspondence may be sent to: Sussex County FSA, 21315 Berlin Rd, Unit 1, Georgetown, Delaware 19947.

Sincerely,

A handwritten signature in black ink that reads "Caitlin V. Sheffer". The signature is written in a cursive, flowing style.

Caitlin V. Sheffer
County Executive Director

Enclosures



Initial Review: _____
Updated On: _____
Complete: _____
Official Use Only

Coastal Zone Management Act Federal Consistency Form

This document provides the Delaware Coastal Management Program (DCMP) with a Federal Consistency Determination or Certification for activities regulated under the Coastal Zone Management Act of 1972, as amended, and NOAA's Federal Consistency Regulations, 15 C.F.R. Part 930. Federal agencies and other applicants for federal consistency are not required to use this form; it is provided to applicants to facilitate the submission of a Consistency Determination or Consistency Certification. In addition, federal agencies and applicants are only required to provide the information required by NOAA's Federal Consistency Regulations.

Project/Activity Name: [Redacted] Farm Grain Facility West of Seaford

I. Federal Agency or Non-Federal Applicant Contact Information:

Contact Name/Title: Caitlin V. Sheffer

Federal Agency Contractor Name (if applicable): _____

Federal Agency: USDA Farm Service Agency
(either the federal agency proposing an action or the federal agency issuing a federal license/permit or financial assistance to a non-federal applicant)

Mailing Address: 21315 Berlin Road, Unit 1

City: Georgetown State: DE Zip Code: 19947-3184

E-mail: caitlin.sheffer@usda.gov Telephone #: 302 259 7451

II. Federal Consistency Category:

- Federal Activity or Development Project (15 C.F.R. Part 930, Subpart C)
- Outer Continental Shelf Activity (15 C.F.R. Part 930, Subpart E)
- Federal Financial Assistance (15 C.F.R. Part 930, Subpart F)
- Federal License or Permit Activity (15 C.F.R. Part 930, Subpart D)
- Federal License or Permit Activity which occurs wholly in another state (interstate consistency activities identified in DCMP's Policy document)

III. Detailed Project Description (attach additional sheets if necessary):

The USDA, Farm Service Agency (FSA) is completing an environmental review of the proposed construction of a new Grain Farm Storage Facility using two USDA Farm Storage Facility Loans. The project will consist of grain storage bins on poured concrete footings, grain dryer equipment, handling augers/tubes, a grain dump, controls/building, electrical installation/trenching, propane tanks, etc. The area of disturbance is located on a 18.4 acre tract located on West Stein Highway West of Seaford, Delaware. The project is referred to as the [Redacted] farm, tax map 531-12.00-83.02. The project is located South side of RT 20 (Stein Hwy), 1100' West of CR 553, approximately 0.5 mile West of the Town limits of Seaford (at 4722 West Stein Hwy). The area is in a rural part of the county and it is surrounded by farmland, farms, and single family homes. There is one commercial and one private grain facility within sight of this project. The tract is mostly cropland with a workshop, storage shed, and pesticide shed. There is no residence on the tract, the property is used for support for [Redacted] farming operations in Sussex County. It is proposed that the project will disturb less than 1 acre of cleared ground (currently fallow cropland). In prior years the farm was used as cropland producing grain crops. A stormwater permit for the project will be obtained after approval by the Sussex County Conservation District.

IV. General Analysis of Coastal Effects (attach additional sheets if necessary):

The entire State is in the Coastal Zone. The grain bin project is similar in impact to the construction of a large shed with a concrete floor - the concrete footprint will become impermeable and create additional runoff that will be absorbed by the surrounding acreage. The site is over 1.5 miles North of the Nanticoke River, over 20 miles West of the Delaware/Rehoboth Bay, over 20 miles East of the Chesapeake Bay, and over 15 miles ESE of the Choptank River. There are no ditches on or near the property, so the project will have minimal Coastal Effects.

V. Detailed Analysis of Consistency with DCMP Enforceable Policies (attach additional sheets if necessary):

Policy 5.1: Wetlands Management

The property in question is all Prior Converted cropland (prior to 1985) and is not subject to NRCS wetland regulations as long as the property is maintained as cropland. No wetlands are located on the property according to the NRCS wetlands mapper. A FSA 858 will be completed for the site.

Policy 5.2: Beach Management

N/A - 20 plus miles from any beach

Policy 5.3: Coastal Waters Management (includes wells, water supply, and stormwater management. Attach additional sheets if necessary)

The proposed project area is not located within a Coastal Barrier. The project is more than 20 miles from the nearest Coastal Barrier. The onsite water supply is from a 4" diameter 80' deep PVC well screened in the Columbia Aquifer. The land has very little slope, and no ditches or water bodies are nearby to the project area. Stormwater management will be a minimal concern with this project.

Policy 5.4: Subaqueous Land and Coastal Strip Management

The Columbia aquifer is the most used local aquifer. No wetlands are located on the property according to the NRCS wetlands mapper. The property is not located within the coastal strip.

Policy 5.5: Public Lands Management

N/A No Public Lands involved.

Policy 5.6: Natural Lands Management

N/A No nearby Natural Lands

Policy 5.7: Flood Hazard Areas Management

Area of Minimal Flood Hazard

Policy 5.8: Port of Wilmington

N/A

Policy 5.9: Woodlands and Agricultural Lands Management

N/A Property is all cleared cropland.

Policy 5.10: Historic and Cultural Areas Management

According to State of Delaware SHPO CHRIS mapping system (see attached), there are no Historic and Cultural Resources on this property - all sites are on adjacent properties. The oldest buildings on this property are less than 6 years old.

Policy 5.11: Living Resources

IPAC list was obtained (see attached) and it noted no species of concern

Policy 5.12 Mineral Resources Management

N/A No sand or gravel mining/dredging.

Policy 5.13: State Owned Coastal Recreation and Conservation

N/A

Policy 5.14: Public Trust Doctrine

N/A

Policy 5.15: Energy Facilities

N/A

Policy 5.16: Public Investment

N/A

Policy 5.17: Recreation and Tourism

N/A

Policy 5.18: National Defense and Aerospace Facilities

N/A

Policy 5.19: Transportation Facilities

N/A

Policy 5.20: Air Quality Management

When in operation during harvest season, grain dust and pod/cob plant material will be present immediately around the grain bin site, which is more than 500' from any residence. The propane drying equipment will vent directly through the grain and generate minimal air pollution. There will be grain truck exhaust emissions. The existing commercial grain handling facility to the Northeast of this property will have more air quality impact.

Policy 5.21: Water Supply Management

The existing 4"x80' well will supply all onsite needs, the project will not withdraw from surface waters. The grain facility will not require a water supply.

Policy 5.22: Waste Disposal Management

The owner maintains a dumpster onsite. Any waste generated during the Grain Bin construction (packaging) will be controlled and properly disposed of by the constructor and land owner. The grain facility generates no waste of its own, other than from possible seed cleaning. Cracked seed is often used as animal feed. Grain is hauled in, conditioned and stored, and hauled back out eventually - there is minimum - if any waste generated.

Policy 5.23: Development

The proposed project construction involves ground disturbance below the plow zone. If approved the applicant will be required to have any and all pertinent permits for entrances and general construction.

Policy 5.24: Pollution Prevention

In terms of Pollution Prevention, the grain bin project is similar in impact to the construction of a large shed with a concrete floor - the concrete footprint will become impermeable and create additional runoff that will be absorbed by the surrounding acreage. The grain bins will generate no appreciable waste or pollution when they are in operation, other than plant material dust, grain truck, and grain dryer emissions.

Policy 5.25: Coastal Management Coordination

The FSA has consulted with USFW, CZM, and Delaware Tribe of Indians

VI. JPP and RAS Review (Check all that apply):

Has the project been reviewed in a monthly Joint Permit Processing and/or Regulatory Advisory Service meeting?

- JPP
- RAS
- None

*If yes, provide the date of the meeting(s): _____

VII. Statement of Certification/Determination and Signature (Check one and sign below):


FEDERAL AGENCY CONSISTENCY DETERMINATION. Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity is consistent to the maximum extent practicable with the enforceable policies of the Delaware Coastal Management Program.

OR

FEDERAL AGENCY NEGATIVE DETERMINATION. Based upon the information, data, and analysis included herein, the federal agency, or its contracted agent, listed in (I) above, finds that this proposed activity will not have any reasonably foreseeable effects on Delaware's coastal uses or resources (Negative Determination) and is therefore consistent with the enforceable policies of the Delaware Coastal Management Program.

OR

NON-FEDERAL APPLICANT'S CONSISTENCY CERTIFICATION. Based upon the information, data, and analysis included herein, the non-federal applicant for a federal license or permit, or state or local government agency applying for federal funding, listed in (I) above, finds that this proposed activity complies with the enforceable policies of the Delaware Coastal Management Program and will be conducted in a manner consistent with such program.

Signature:		
Printed Name:	Caitlin V. Sheffer	Date: 2/2/21

Pursuant to 15 C.F.R. Part 930, the Delaware Coastal Management Program must provide its concurrence with or objection to this consistency determination or consistency certification in accordance with the deadlines listed below. Concurrence will be presumed if the state's response is not received within the allowable timeframe.

Federal Consistency Review Deadlines:

Federal Activity or Development Project (15 C.F.R. Part 930, Subpart C)	60 days with option to extend an additional 15 days or stay review (15 C.F.R. § 930.41)
Federal License or Permit (15 C.F.R. Part 930, Subpart D)	Six months, with a status letter at three months. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.63)
Outer Continental Shelf Activity (15 C.F.R. Part 930, Subpart E)	Six months, with a status letter at three months. If three month status letter not issued, then concurrence presumed. The six month review period can be stayed by mutual agreement. (15 C.F.R. § 930.78)
Federal Financial Assistance to State or Local Governments (15 C.F.R. Part 930, Subpart F)	State Clearinghouse schedule

OFFICIAL USE ONLY:

Reviewed By:	Fed Con ID:	Date Received:
Public notice dates: _____ to _____	Comments Received: <input type="checkbox"/> NO <input type="checkbox"/> YES <i>[attach comments]</i>	
Decision type: <small>(objections or conditions attach details)</small>	Decision Date: _____	



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Chesapeake Bay Ecological Services Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401-7307

Phone: (410) 573-4599 Fax: (410) 266-9127

<http://www.fws.gov/chesapeakebay/>

<http://www.fws.gov/chesapeakebay/endsppweb/ProjectReview/Index.html>

In Reply Refer To:

October 28, 2020

Consultation Code: 05E2CB00-2021-SLI-0133

Event Code: 05E2CB00-2021-E-00329

Project Name: [REDACTED] FSFL West Seaford

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. This species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Chesapeake Bay Ecological Services Field Office

177 Admiral Cochrane Drive

Annapolis, MD 21401-7307

(410) 573-4599

Project Summary

Consultation Code: 05E2CB00-2021-SLI-0133

Event Code: 05E2CB00-2021-E-00329

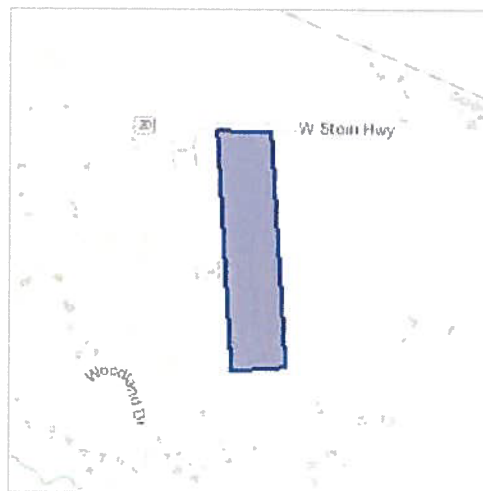
Project Name: ██████████ FSFL West Seaford

Project Type: AGRICULTURE

Project Description: 531-12.00-83.02 South side of RT 20, around 1100 feet West of Neal's School Road intersection

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.6388887323685N75.65790473313271W>



Counties: Sussex, DE

Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.



Wetlands

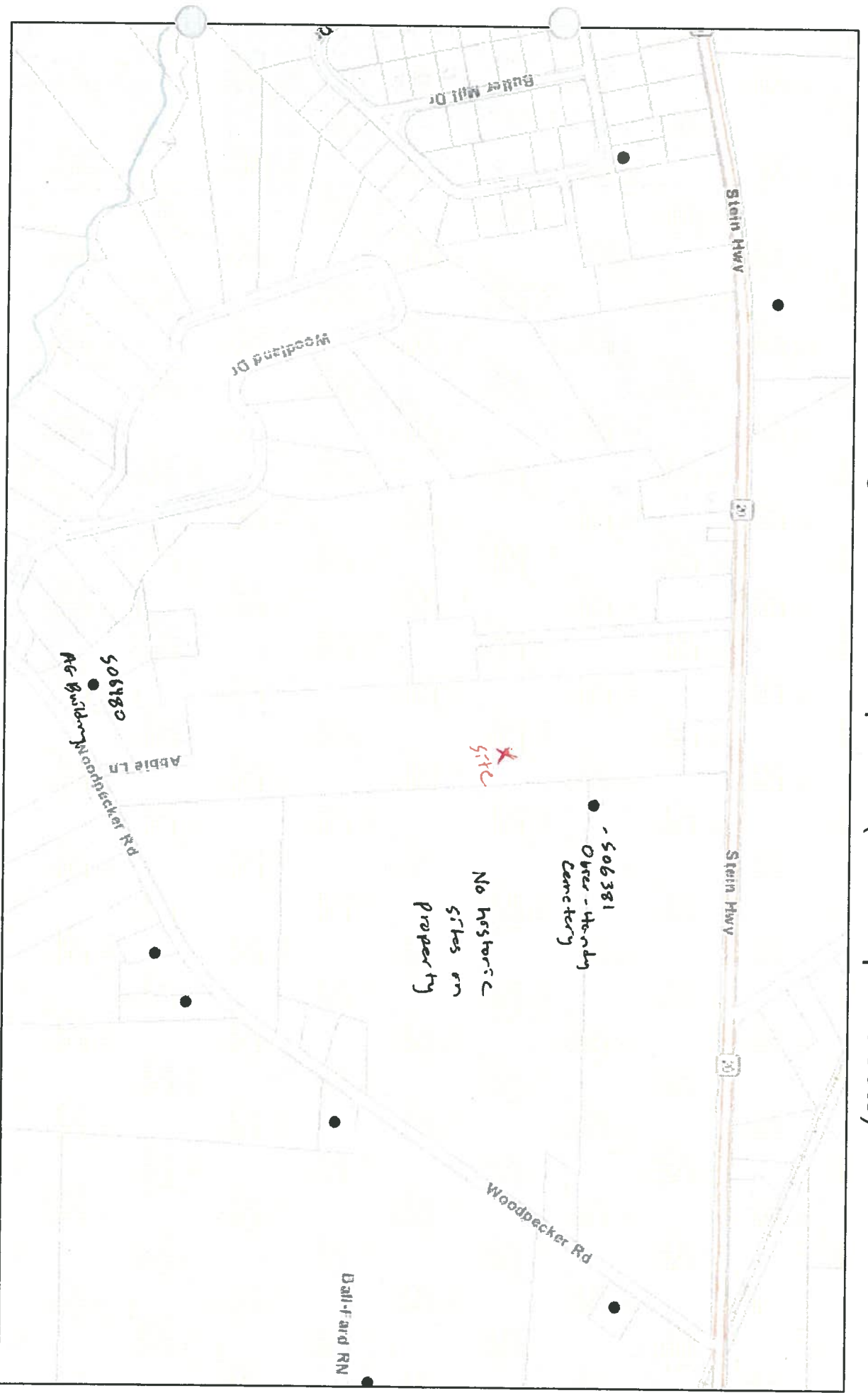
Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

National Register-listed Properties (Basemap - Streets)



October 29, 2020

Other Historic Properties



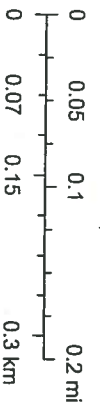
Delaware County Boundaries

New Castle County Parcels

Other

Kent County Parcels

Sussex County Parcels



1:9,028

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only to landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was State Plane Delaware zone (FIPSZONE 0700). The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NNGS12
National Geodetic Survey
SSM-C-3, #9222
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at <http://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was provided in digital format by Delaware Geospatial Data Exchange. The base map features were compiled at a scale of 1:24,000 from aerial photography dated 2011.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

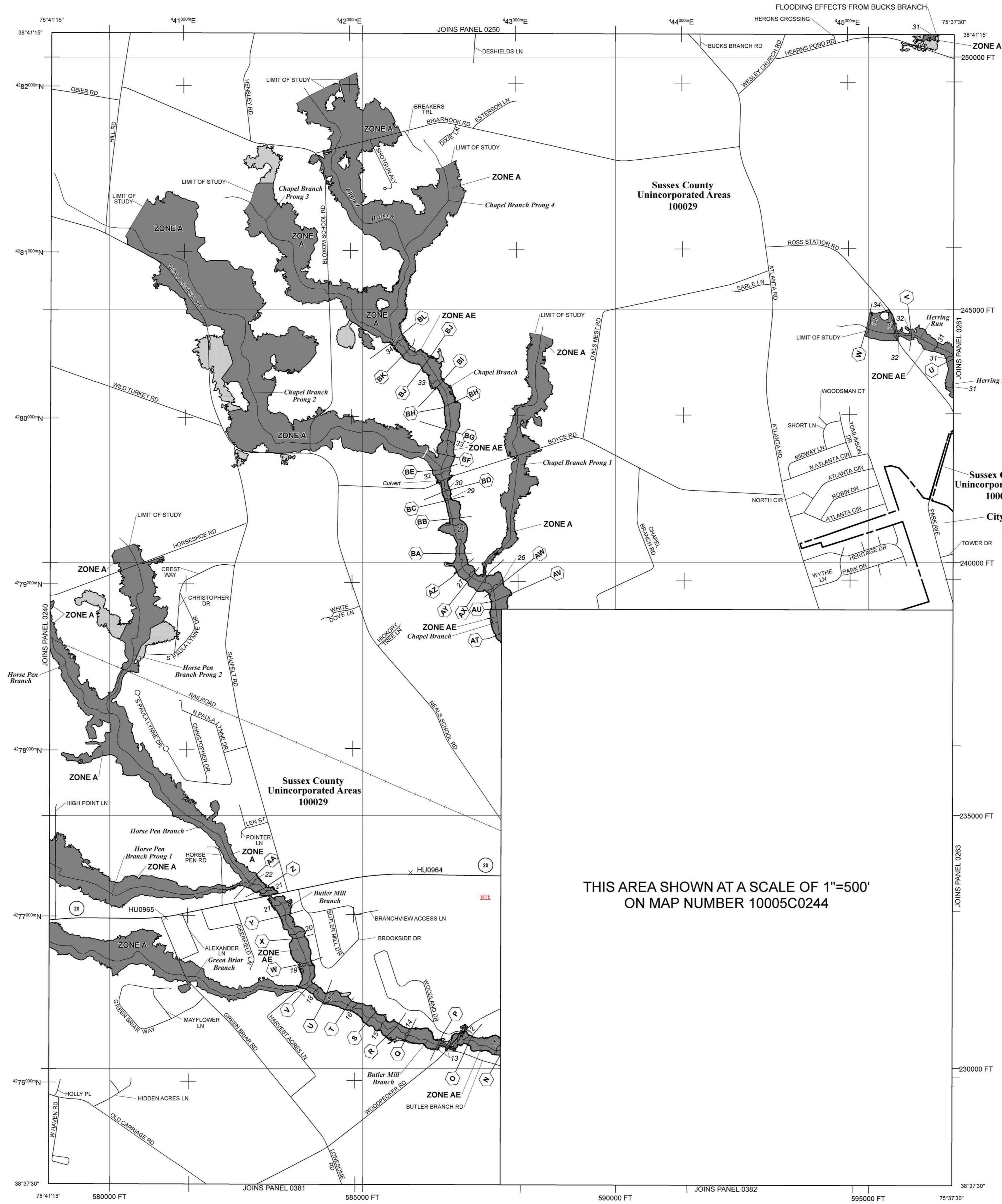
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Information eXchange** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Information eXchange may also be reached by Fax at 1-800-358-9620 and its website at <http://msc.fema.gov/>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/ifip/>.

The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



THIS AREA SHOWN AT A SCALE OF 1"=500'
ON MAP NUMBER 10005C0244

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- ZONE D** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE U** Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- Zone AE boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- Base Flood Elevation line and value; elevation in feet* (EL 987)
- Base Flood Elevation value where uniform within zone; elevation in feet*
- * Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid ticks, zone 18
- 5000-foot grid values; Delaware State Plane coordinate system (FIPSZONE = 0700), Transverse Mercator projection
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
JUNE 16, 1995

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
See Notice to Users page in FIS Report

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

500 0 500 1,000 1,500 2,000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0245L

FIRM

FLOOD INSURANCE RATE MAP

SUSSEX COUNTY, DELAWARE

AND INCORPORATED AREAS

PANEL 245 OF 660

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL SUFFIX
SEAFORD, CITY OF	100048	0245 L
SUSSEX COUNTY	100029	0245 L

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

MAP NUMBER 10005C0245L

MAP REVISED JUNE 20, 2018

Federal Emergency Management Agency



U.S. Fish and Wildlife Service

National Wetlands Inventory

FSN11521_T41506_Wetlands



October 29, 2020

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

This map is for general reference only. The U.S. Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Sussex County, Delaware



Legend

National_Wetland.SDE.wetlands

Wetland Determination Identifiers Prepared by FSA
Not To Scale

● Restricted Use

▼ Limited Restrictions

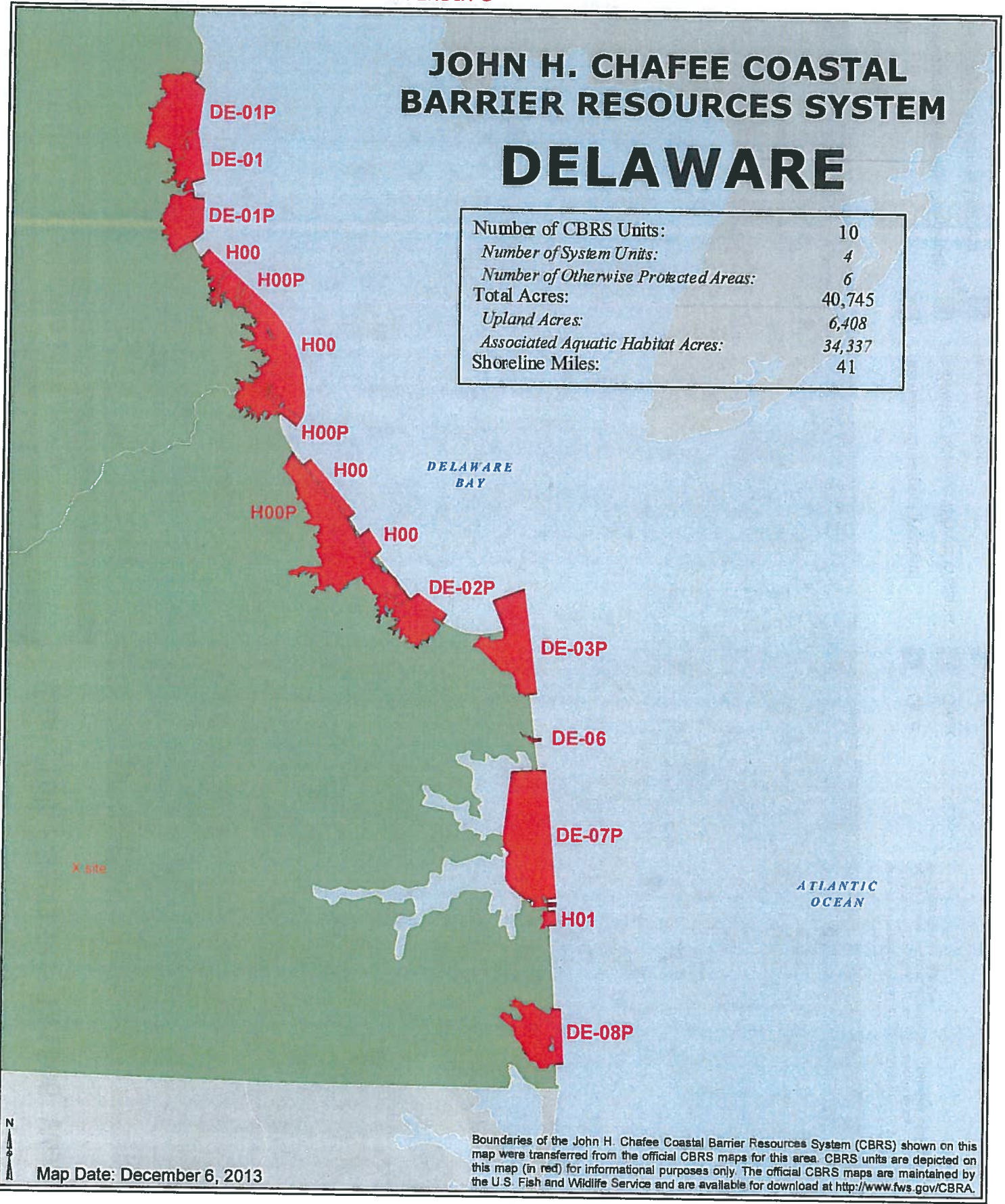
■ Exempt from Conservation Compliance Provisions

FSN: 11521
Tract: 41506
Acres: 18.48

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM DELAWARE

Number of CBRS Units:	10
Number of System Units:	4
Number of Otherwise Protected Areas:	6
Total Acres:	40,745
Upland Acres:	6,408
Associated Aquatic Habitat Acres:	34,337
Shoreline Miles:	41



X site

ATLANTIC OCEAN

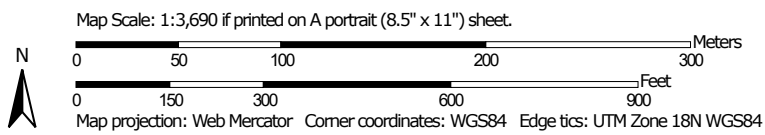
DELAWARE BAY



Map Date: December 6, 2013

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area. CBRS units are depicted on this map (in red) for informational purposes only. The official CBRS maps are maintained by the U.S. Fish and Wildlife Service and are available for download at <http://www.fws.gov/CBRA>.

Soil Map—Sussex County, Delaware
FSFL site)




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

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 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Sussex County, Delaware
 Survey Area Data: Version 21, Jun 11, 2020

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

Date(s) aerial images were photographed: Nov 21, 2018—Mar 12, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
FmB	Fort Mott loamy sand, 2 to 5 percent slopes	5.5	25.0%
HbA	Hambrook sandy loam, 0 to 2 percent slopes	5.4	24.4%
HbB	Hambrook sandy loam, 2 to 5 percent slopes	0.3	1.5%
HnA	Hammonton sandy loam, 0 to 2 percent slopes	1.0	4.8%
HrB	Henlopen-Rosedale complex, 2 to 5 percent slopes	3.7	16.8%
IeA	Ingleside loamy sand, 0 to 2 percent slopes	5.6	25.6%
RoA	Rosedale loamy sand, 0 to 2 percent slopes	0.1	0.5%
WddA	Woodstown sandy loam, 0 to 2 percent slopes, Northern Tidewater Area	0.3	1.5%
Totals for Area of Interest		21.9	100.0%

National Register-listed Properties (Basemap - Topographic)



November 9, 2020

Other Historic Properties

● Other

▭ Delaware County Boundaries

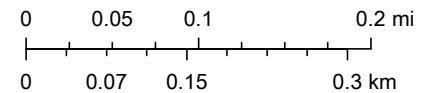
▭ Kent County Parcels

▭ New Castle County Parcels

▭ Sussex County Parcels

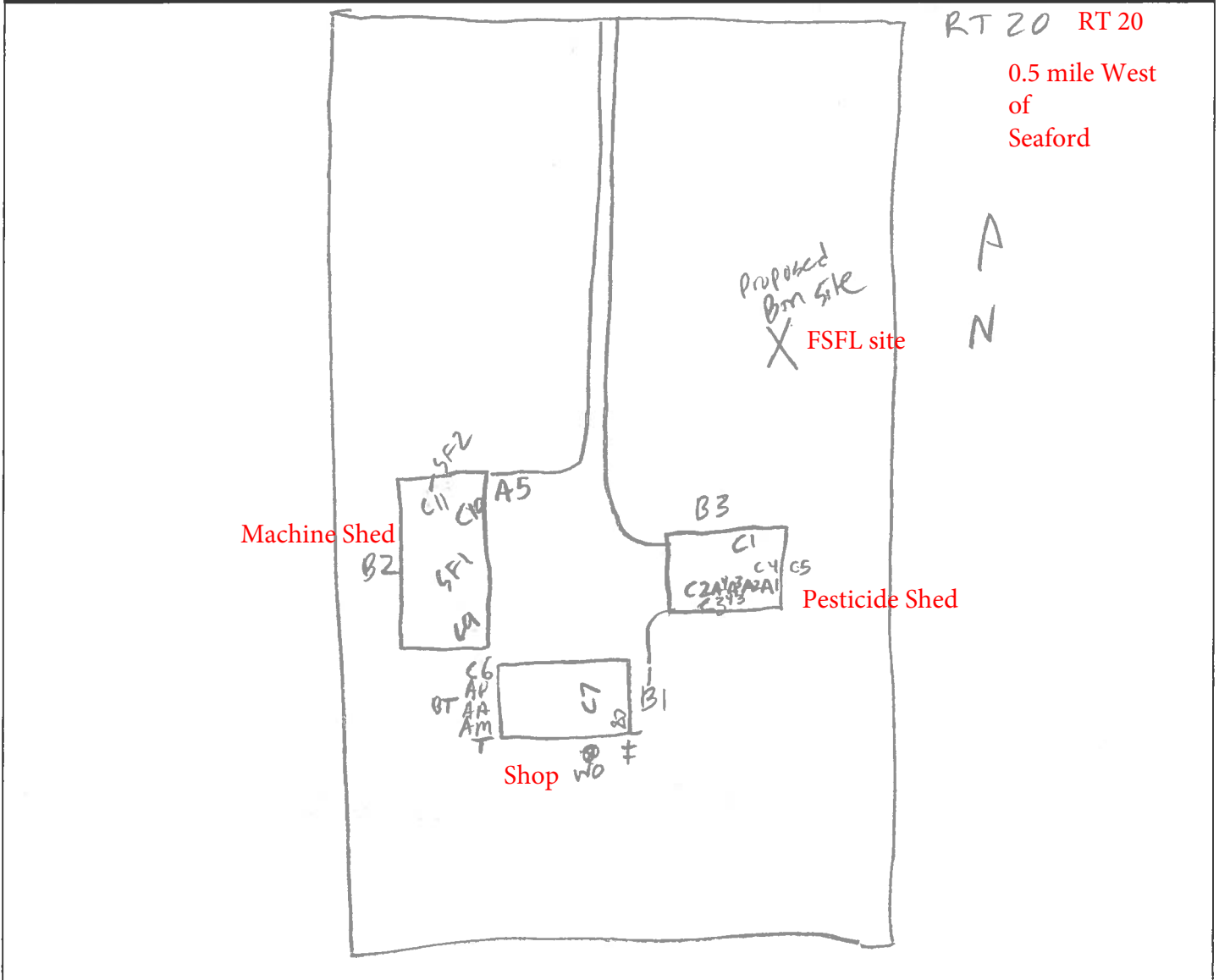
X = proposed site

1:9,028



County of Sussex, DE, Delaware FirstMap, VITA, Esri, HERE, Garmin,

PART F - VISUAL REPRESENTATION OF PROPERTY - In lieu of a sketch, the preparer may attach an aerial photograph with boundaries and areas of concern identified and/or multiple site photographs documenting/supporting form answers.

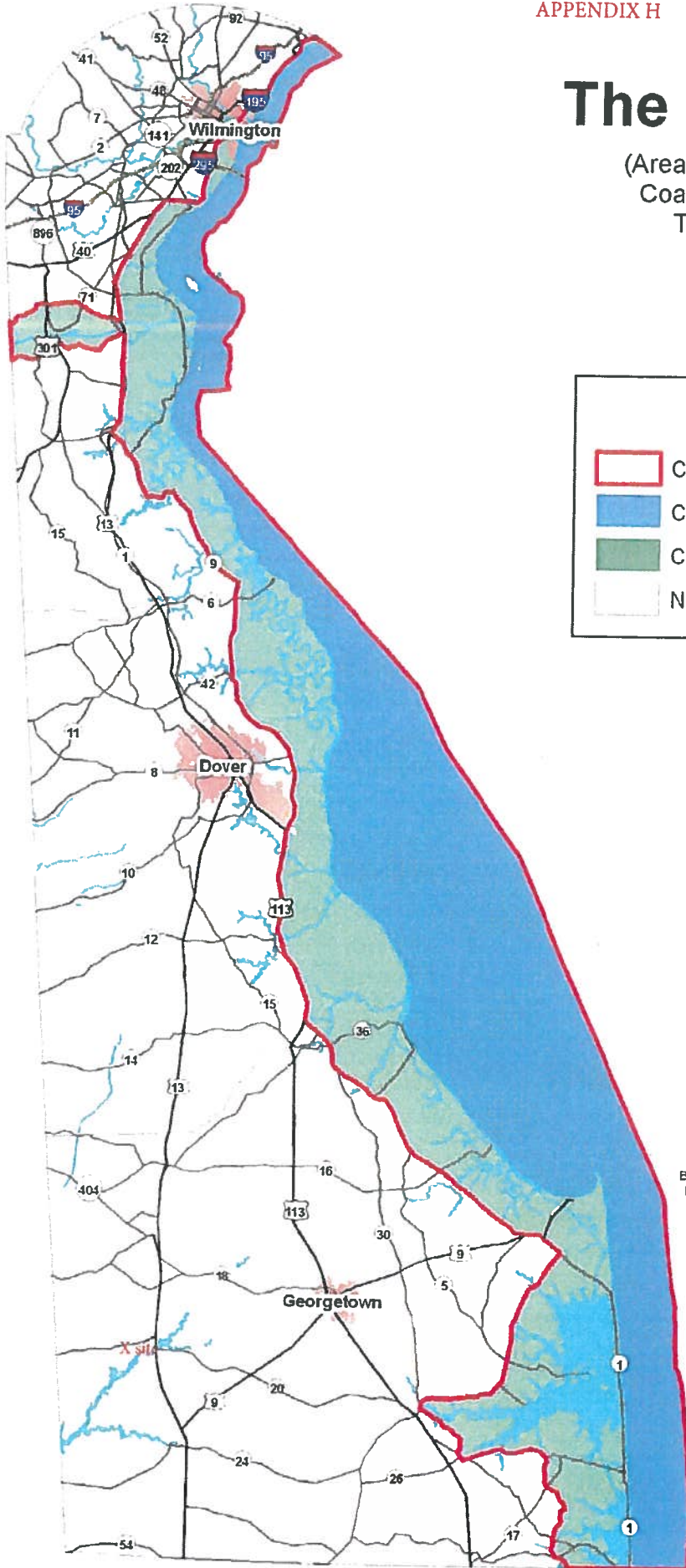


Legend and Map Symbols:

U	UST	++++	Railroad
A	AST	PL	Pond or lagoon
R	Residence	D	Dump or other possibly contaminated site
B	Building	GB	Grain bin or silo
ST	Septic Tank and System	WD	Well-Drinking Water
---	Creek, stream, river	WI	Well-Irrigation
===	Public road	WO	Well-Other
CM	Cemetery	WA	Well-Abandoned
—	Private road or driveway	SS	Stained Soil
BT	Batteries	W	Wetland
T	Tires	‡	Transformer
X	Barrel or drum	C	Containers

The Coastal Strip

(Area regulated by the Delaware Coastal Zone Act Chapter 70, Title 7, Delaware Code)



Legend

- Coastal Zone
- Coastal Zone - Water
- Coastal Zone - Land
- Not regulated by Coast Zone Act

N

Boundary at the mouth of the Delaware Bay is in dispute

This map is prepared primarily for internal DNREC resource management purposes. The information contained hereon is preliminary, and is subject to change or modification at any time. Use of this information by others is at their own risk and the DNREC in no way guarantees the accuracy of the information.