NRCS

Helping People Help the Land

Web Soil Survey

Jorge L. Lugo-Camacho
MLRA Soil Survey Project Leader
www.pr.nrcs.usda.gov
Jorge.lugo@pr.usda.gov

¿Qué es el Web Soil Survey?

- El Web Soil Survey (WSS) provee **la información oficial de suelos más actualizada producida por la Cooperativa Nacional de Catastros de Suelos (NCSS)**.
- La información de los catastros de suelos se puede obtener a través de:
  - Mapas, descripciones y tablas que corresponden a los suelos identificados en estos mapas.
- El sitio se actualiza y se mantiene en línea como la única fuente autorizada de información sobre los catastros de suelos.

¿Cómo puedo entrar al Web Soil Survey?

- Se puede entrar a través de las siguientes páginas en línea:

  http://soils.usda.gov/

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

  http://www.pr.nrcs.usda.gov/soils

Caribbean Area NRCS - Microsoft Internet Explorer

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- Site Map
- Emergency Preparedness
- Earth Team Volunteers

- Find a Service Center

Welcome to the NRCS Caribbean Area: Puerto Rico and U.S. Virgin Islands Web Site.

National Leadership Review for th

An NRCS National Leadership Review Tea
USDA Deputy Under Secretary for Natura
Districts CEO Krysta Harden, local NRCS
partnership agreement to manage resour
Assessment Project.

...More Info

Signup Announced for 2008 Cons

Applications for the 2008 Conservation S

...More Info

V.I. RC&D Selected for 2008 U.S. EPA Environmental Quality Award!

The Virgin Islands Resource Conservation & Development Council, Inc. (V.I. RC&D) has been selected to receive a 2008 U.S. EPA Environmental Quality Award! The Council's award is in the category of Non-Profit Organization, Environmental or Community Group.

...More Info

New San Germán Soil Survey Now Available

The NRCS Caribbean Area is pleased to announce that the **Soil Survey of the San Germán Area, Southwestern Puerto Rico**, is now available. The new San Germán Soil Survey replaces the Soil Survey of the Lajas Valley Area issued in April 1965, which should no longer be used.

...More Info

Puerto Rico Field Office Closures: Ponce, Loiza & Humacao

The Natural Resources Conservation Service informs the public of office closures in Ponce, Loiza and Humacao counties. The Ponce office closure was effective on February 29, 2008; the Loiza & Humacao office closures were effective September 30, 2007.

...More Info

For additional information, please contact: José A. Castro

For comments about the website, please contact: Julie Wright

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural

Information About:

- Soils
- Water
- Air
- Plants
- Animals

Information For:

- Communities
- Farmers and Ranchers
- Homeowners
- CB NRCS Employees
- Policy Makers
- Teachers and Students
- Volunteers

En la página electrónica del NRCS en el Área del Caribe, (www.pr.nrcs.usda.gov), selecciona el enlace "Soils" (Suelos).

Trusted sites

Soils | Caribbean Area NRCS - Microsoft Internet Explorer

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Address http://www.pr.nrcs.usda.gov/technical/soil_survey/ Go McAfee SiteAdvisor

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- Water

- Find a Service Center

Caribbean Area Soils

Updated July 07, 2008

The Caribbean Area, comprised of Puerto Rico and the United States Virgin Islands, is part of the National Cooperative Soil Survey (NCSS) program. The National Cooperative Soil Survey (NCSS) is a nationwide partnership of federal, regional, state, and local agencies and institutions. This partnership works together to cooperatively investigate, inventory, document, classify, and interpret soils and to disseminate, publish, and promote the use of information about the soils of the United States and its trust territories. The activities of the NCSS are carried out on national, regional, and state levels.

Web Soil Survey is now better than ever! Originally launched in August 2005, the improved and enhanced version 2.0 is now available online. Be... ...ments, new featu... ...ped to make the program more responsive to its growing customer base. Some new features incl... ...cy layers, a topographic map layer, and the ability to create custom soil resource reports.

Seleccione el enlace “Web Soil Survey”

New Mapping Tool Makes Things Easy

USDA-NRCS introduces MLRA Explorer — A new web-based mapping to... ...o search by Major Land Resource Areas (MLRA) and Land Resource Areas (LLR) using a variety of geographic and attribute qu... ...with narrative descriptions and photos. It also provides the user with the ability to print and/or export specific subsets of the USDA Agriculture Handbook 296.

Caribbean Area Soils Information

Many of these reports require Adobe Acrobat

- New San Germán Soil Survey Now Available!
- Soil Data Mart - **The most current official soil information.** Determine and download soil tabular and spatial data for one soil survey area at a time. Generate a variety of reports for one soil survey area at a time.
- Instructions on how to use Soil Data Mart (En Español)
- Web Soil Survey - Access to soil survey information is provided through maps. All text and tables relate to the map symbols and the areas delineated on these maps.
- Representative Soil of Puerto Rico
- Representative Soil of the United States Virgin Islands
- General Soil Map of Puerto Rico
- General Soil Map of the United States Virgin Islands (105KB)
- Map of Caribbean Area Major Land Resource Areas (42 KB)
- Caribbean Area Soil Survey Status Map (40 KB)
- Highly Erodible Land (HEL) Definitions
- Hydric Soils Criteria Definitions

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Web Soil Survey - Home - Microsoft Internet Explorer

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Address http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

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All NRCS Sites

Browse by Subject

- Soils Home
- National Cooperative Soil Survey (NCSS)
- Archived Soil Surveys
- Status Maps
- Official Soil Series Descriptions (OSD)
- Soil Series Extent Mapping Tool
- Soil Data Mart
- Geospatial Data Gateway
- eFOTG
- National Soil Characterization Data
- Soil Geochemistry Spatial Database
- Soil Quality
- Soil Geography
- Geospatial One Stop

...erful way ...ata.

START WSS

Welcome to Web Soil Survey (WSS)

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Three Basic Steps

1 Define.

Click to view larger image.

Use the Area of Interest tab to define your area of interest.

2 View/Explore.

Click the Soil Map tab to view or print a soil map, or click the **Soil Data Explorer** tab to access soil data for your area and determine the suitability of the soils for a particular use. The items you want saved in a report can be

I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil Survey
- Know whether Web Soil Survey works in my web browser
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

Announcements/Events

- Web Soil Survey 2.1 has been released! View description of new features.

I Want Help With...

- How to use Web Soil Survey
- How to use Web Soil Survey Online Help
- Known Problems and Workarounds
- Frequently Asked Questions
- Citing Web Soil Survey as a source of soils data

Done

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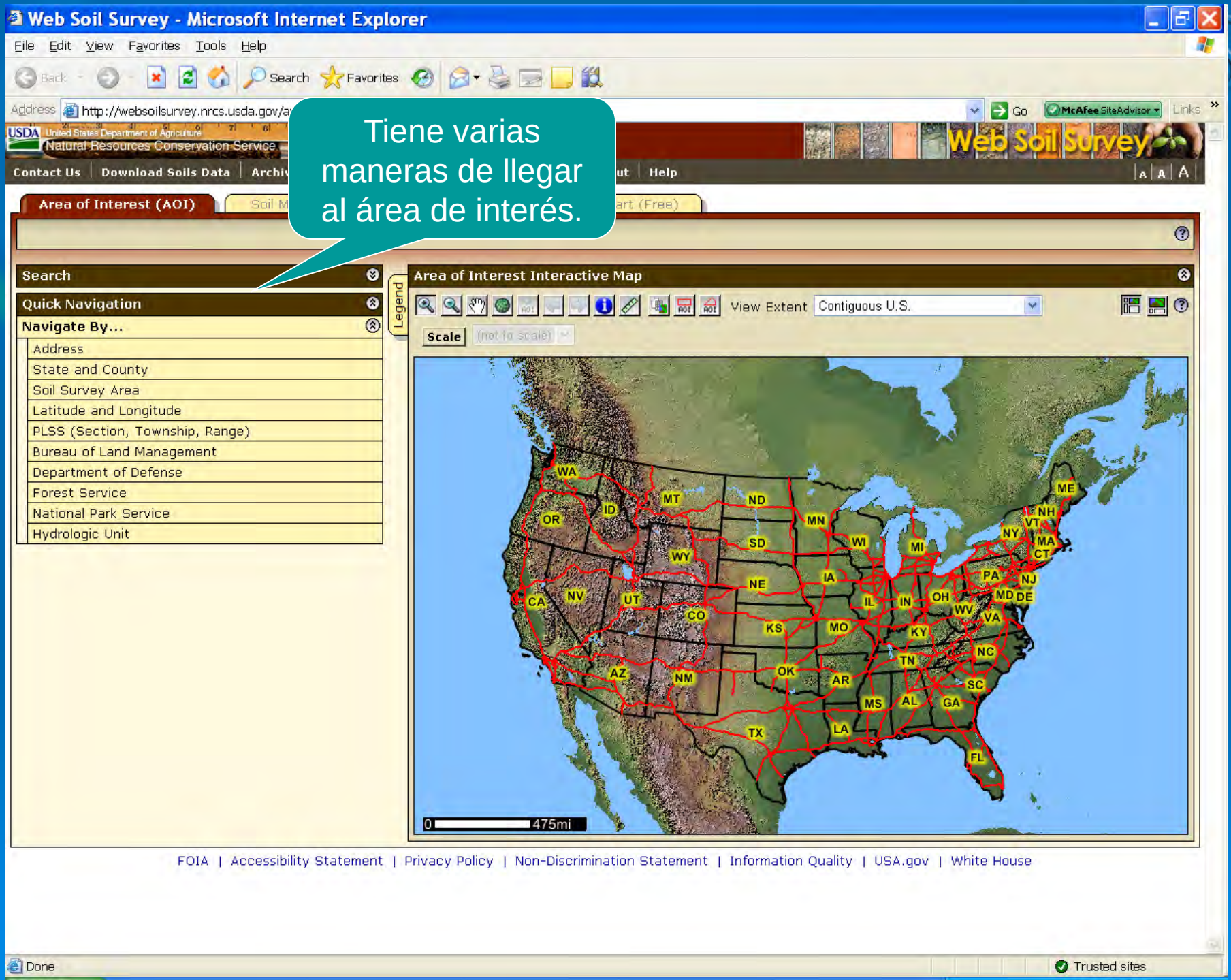
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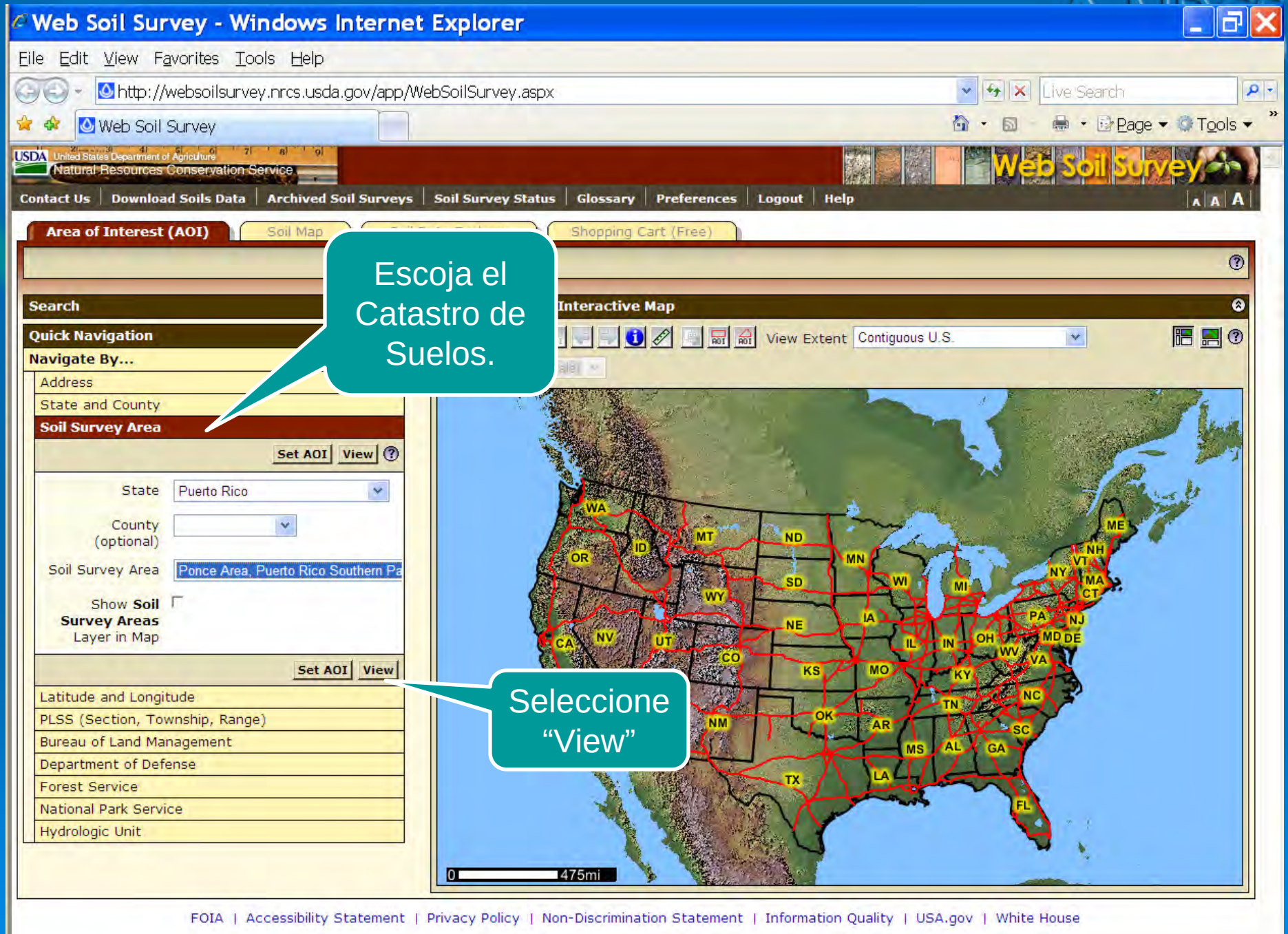
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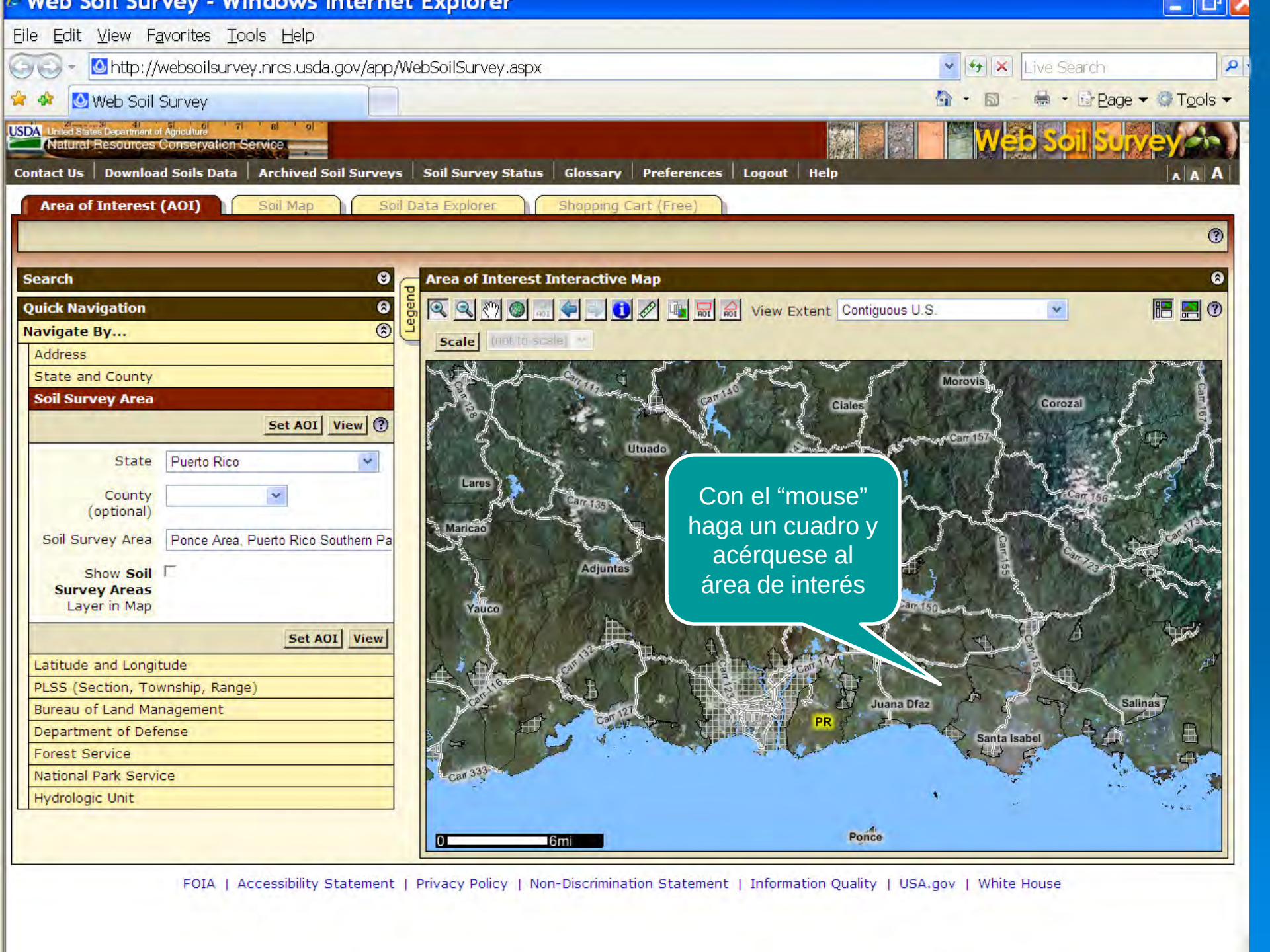
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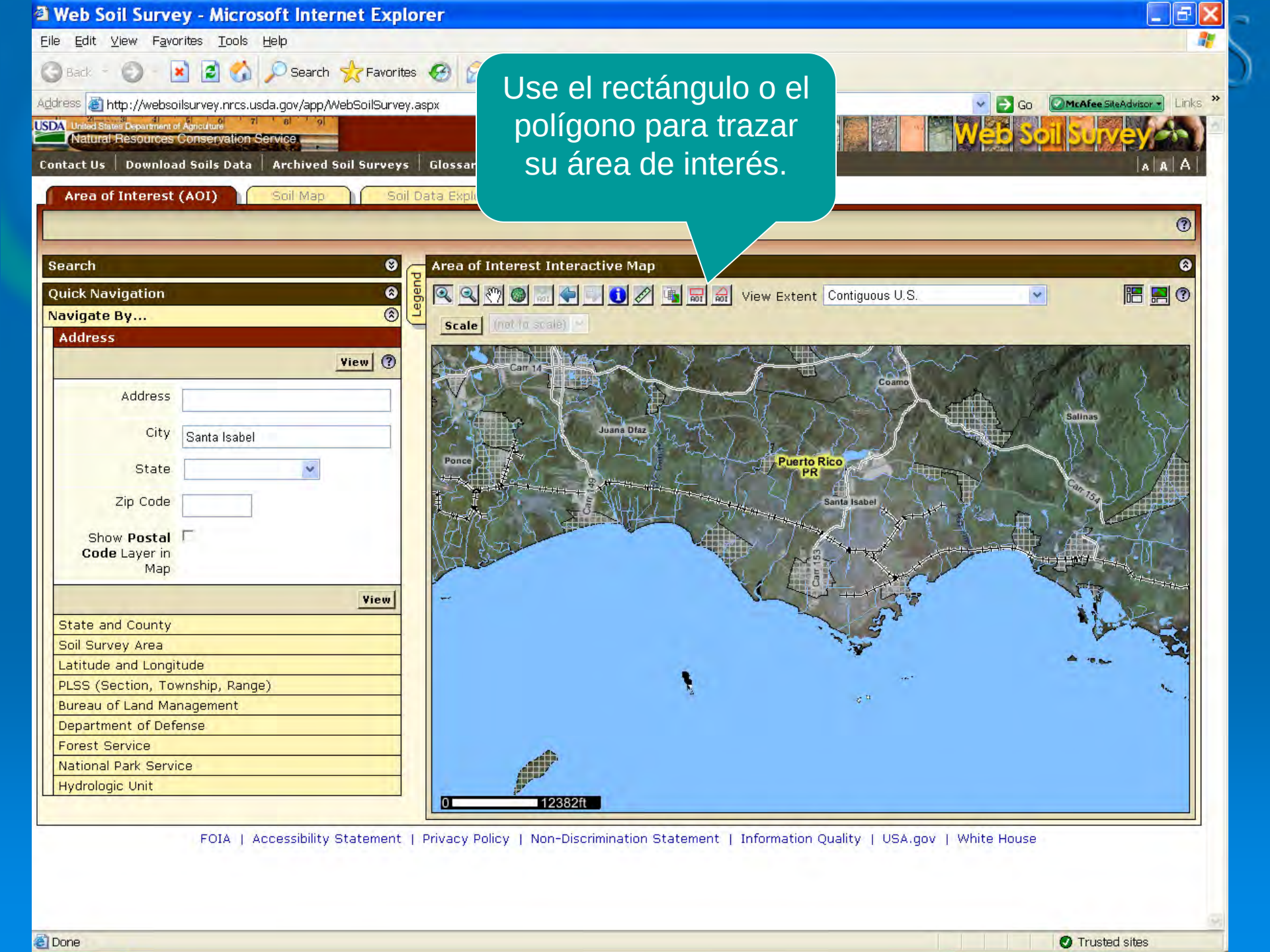
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Use el rectángulo o el polígono para trazar su área de interés.
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National Park Service

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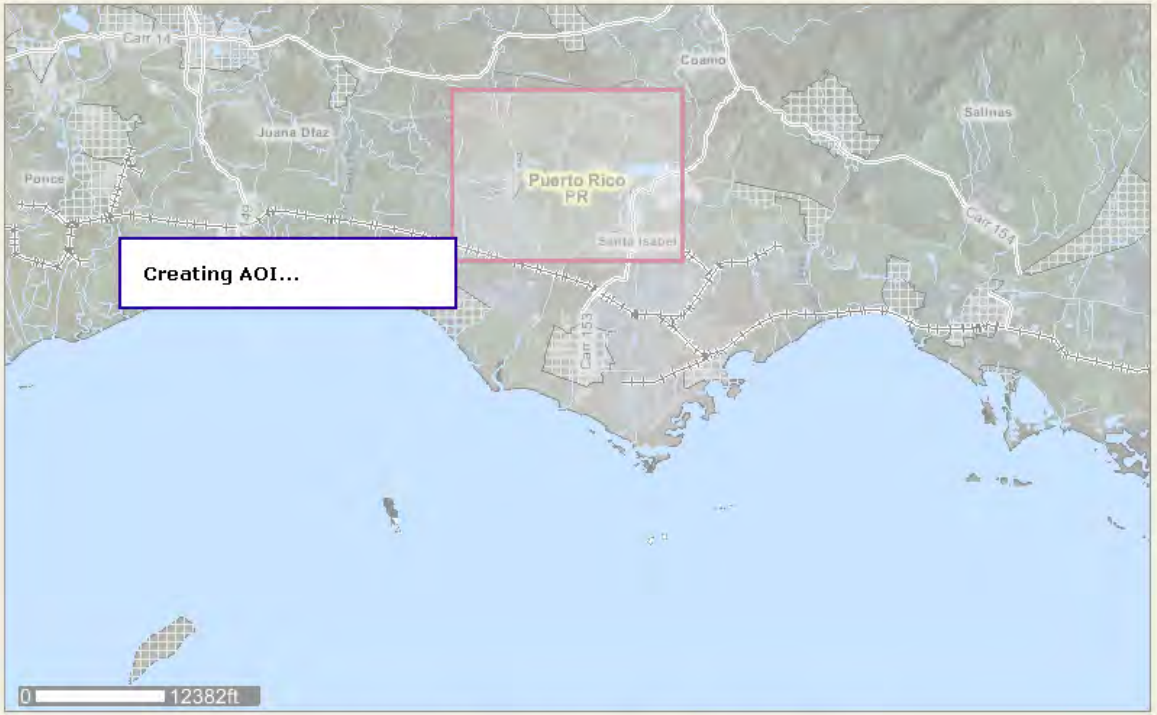

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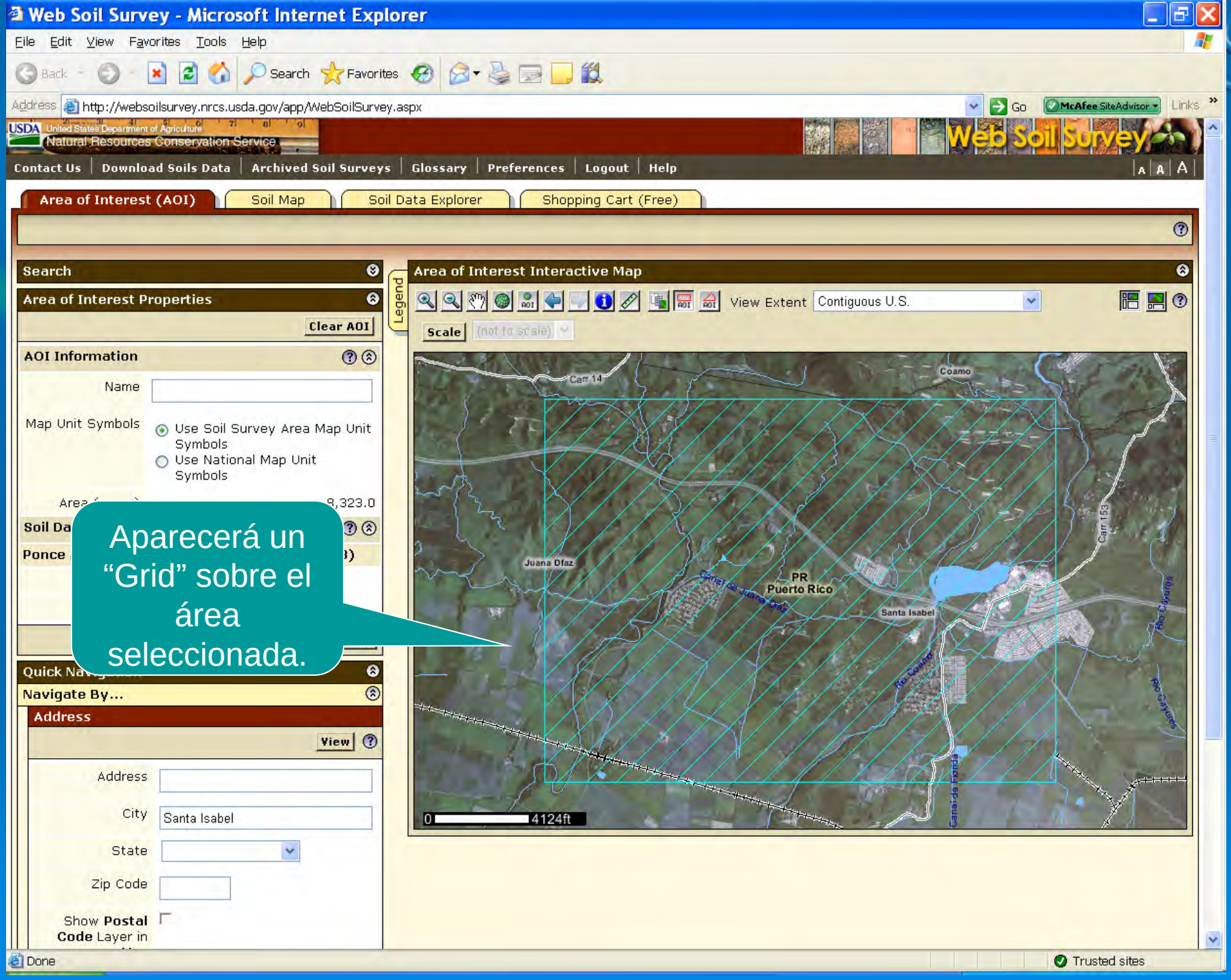
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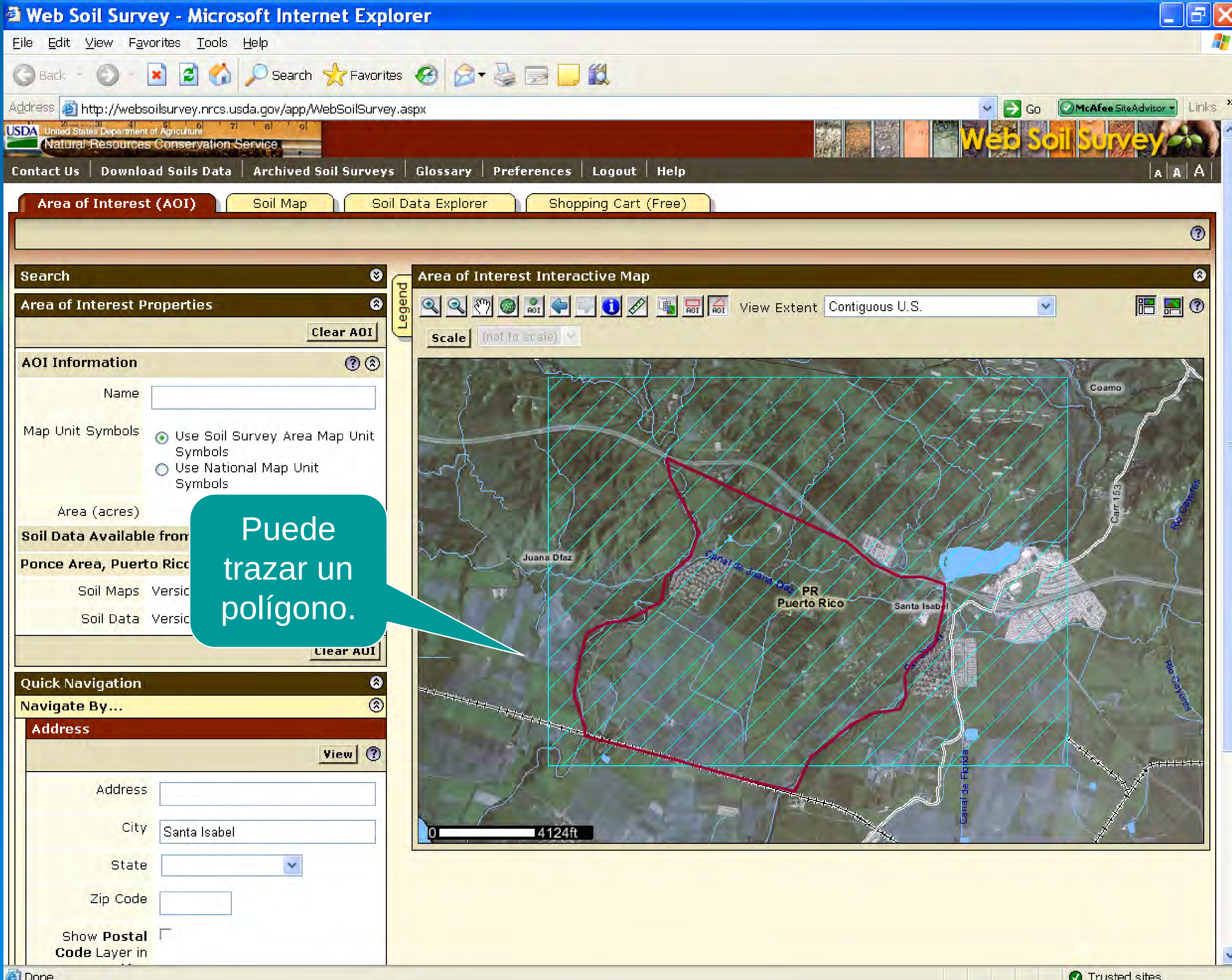
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Pase a la próxima pantalla.

Search

Area of Interest Properties

Clear AOI

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Map U Map Unit

Symbols

Area (acres) 3,008.6

Soil Data Available from Web Soil Survey

Ponce Area, Puerto Rico Southern Part (PR688)

Soil Maps Version 2, Feb 15, 2006

Soil Data Version 5, Dec 27, 2006

Clear AOI

Quick Navigation

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City Santa Isabel

State

Zip Code

Show Postal Code Layer in

Area of Interest Interactive Map

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Obtiene el mapa y la leyenda de suelos.

Search

Map Unit Legend

Ponce Area, Puerto Rico Southern Part (PR688)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AgD	Aguilita gravelly clay loam, 12 to 20 percent slopes	97.6	3.2%
AgF	Aguilita gravelly clay loam, 20 to 60 percent slopes	153.1	5.1%
AhF	Aguilita stony clay loam, 20 to 60 percent slopes	5.6	0.2%
CoD	Callabo silty clay loam, 12 to 20 percent slopes	58.9	2.0%
CoE	Callabo silty clay loam, 20 to 40 percent slopes	82.6	2.7%
CoF2	Callabo silty clay loam, 40 to 60 percent slopes eroded	189.5	6.3%
Cx	Cortada silty clay loam	39.2	1.3%
CyB	Cuyon loam, 0 to 5 percent slopes	8.5	0.3%
FtB	Fraternidad clay, 2 to 5 percent slopes	707.0	23.5%
GPQ	Gravel pits, quarry	42.8	1.4%

Legend

Soil Map

Scale

Done

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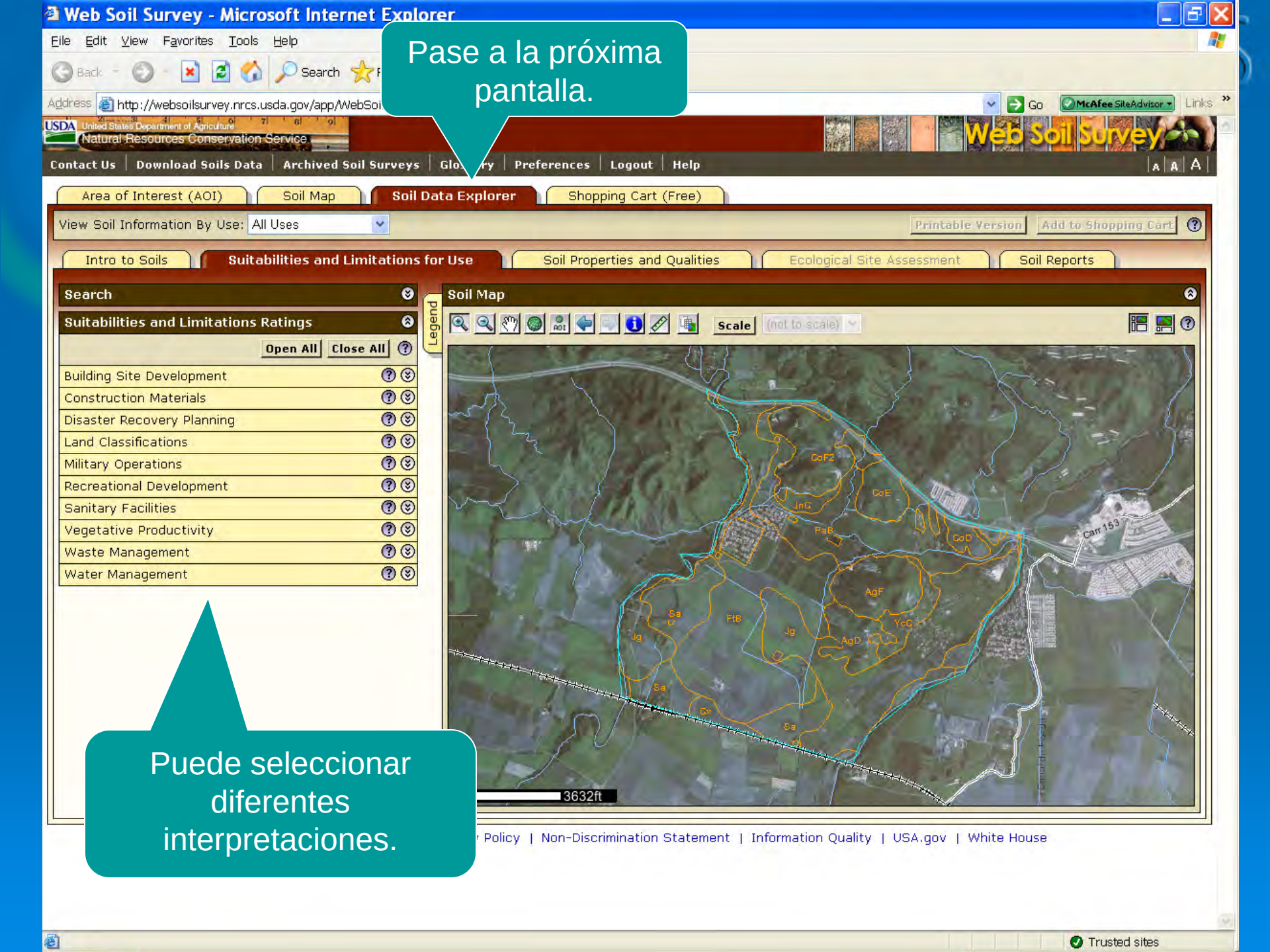
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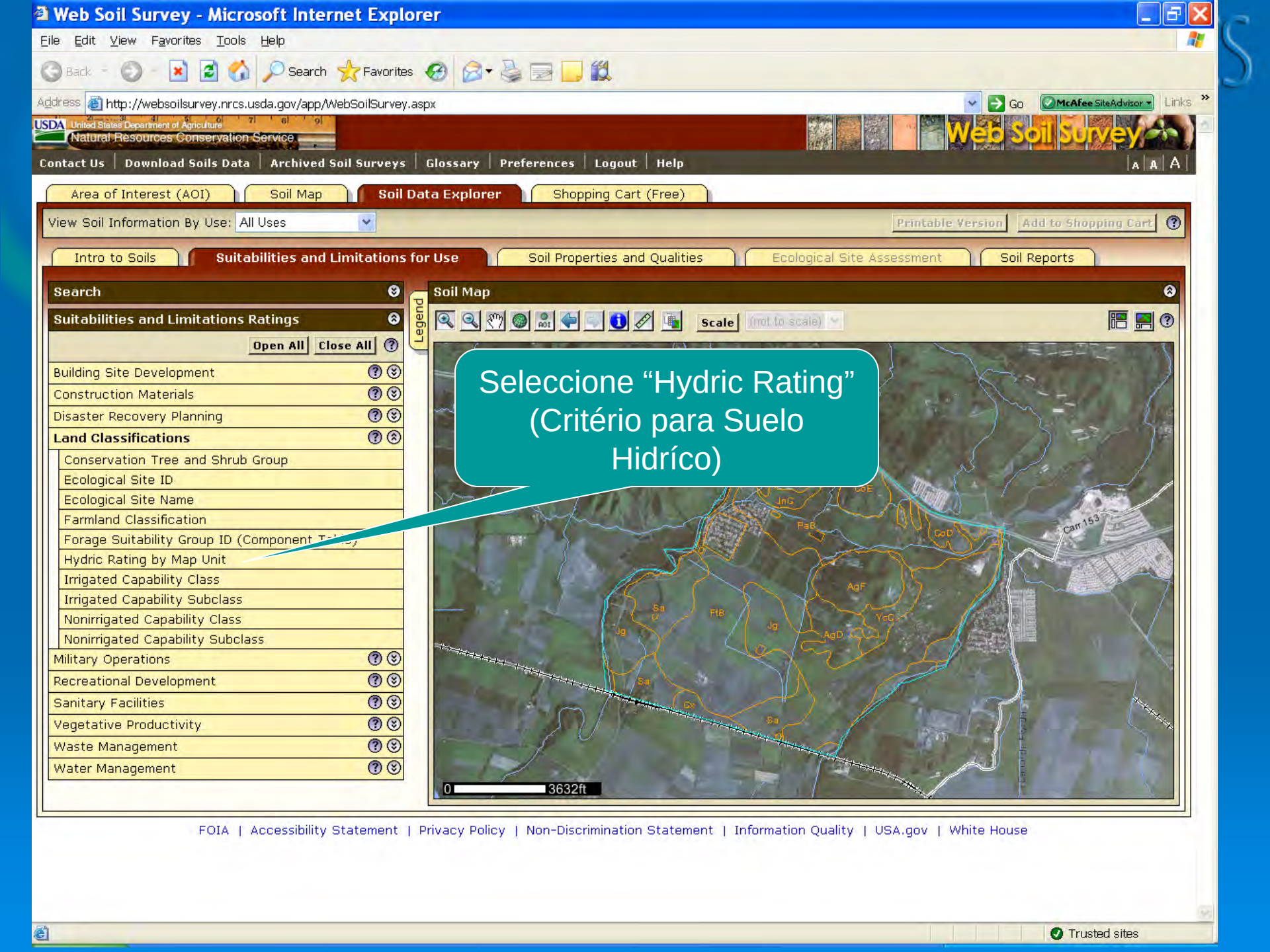
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Ecological Site Name
Farmland Classification
Forage Suitability Group ID (Component
Hydric Rating by Map Unit
Irrigated Capability Class
Irrigated Capability Subclass
Nonirrigated Capability Class
Nonirrigated Capability Subclass
Military Operations
Recreational Development
Sanitary Facilities
Vegetative Productivity
Waste Management
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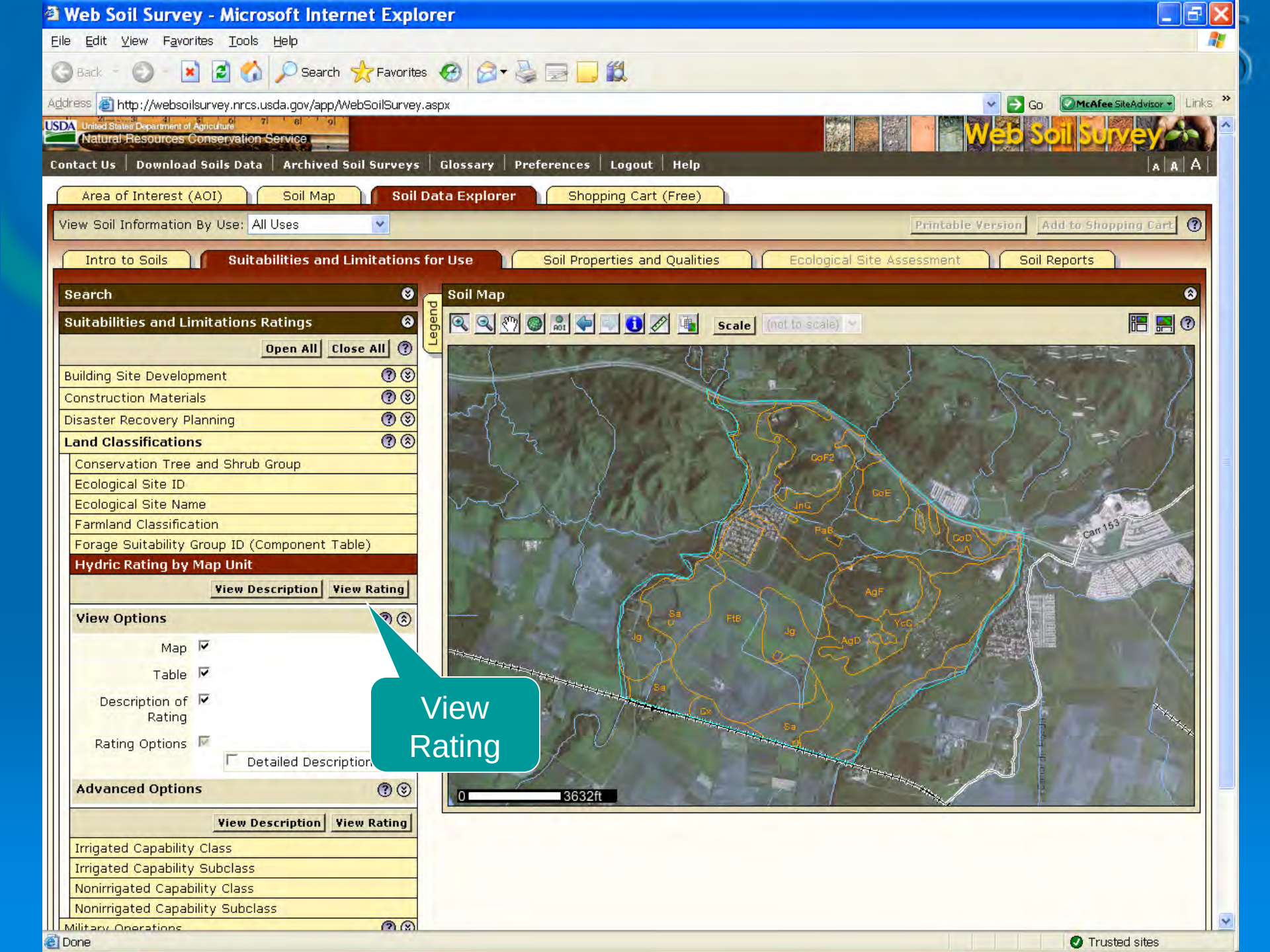
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Ecological Site Name
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Forage Suitability Group ID (Component Table)
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GoE
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AgD
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FtB
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☐ Detailed Description

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- Nonirrigated Capability Subclass
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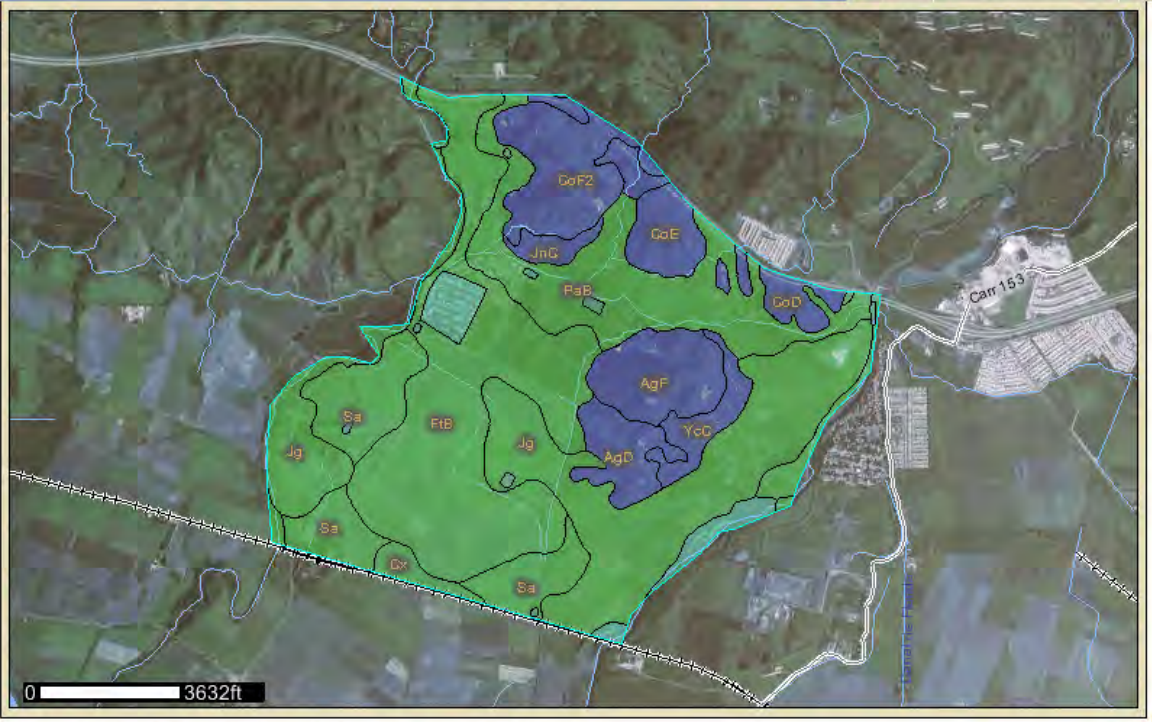
- Waste Management
- Water Management



Tables — Hydric Rating by Map Unit — Summary By Map Unit

Summary by Map Unit — Ponce Area, Puerto Rico Southern Part

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AgD	Aguilita gravelly clay loam, 12 to 20 percent slopes	Not Hydric	97.6	3.2%
AgF	Aguilita gravelly clay loam, 20 to 60 percent slopes	Not Hydric	153.1	5.1%
AhF	Aguilita stony clay loam, 20 to 60 percent slopes	Not Hydric	5.6	0.2%
CoD	Callabo silty clay loam, 12 to 20 percent slopes	Not Hydric	58.9	2.0%
CoE	Callabo silty clay loam, 20 to 40 percent slopes	Not Hydric	82.6	2.7%
CoF2	Callabo silty clay loam, 40 to 60 percent slopes eroded	Not Hydric	189.5	6.3%
Cx	Cortada silty clay loam	Partially Hydric	39.2	1.3%

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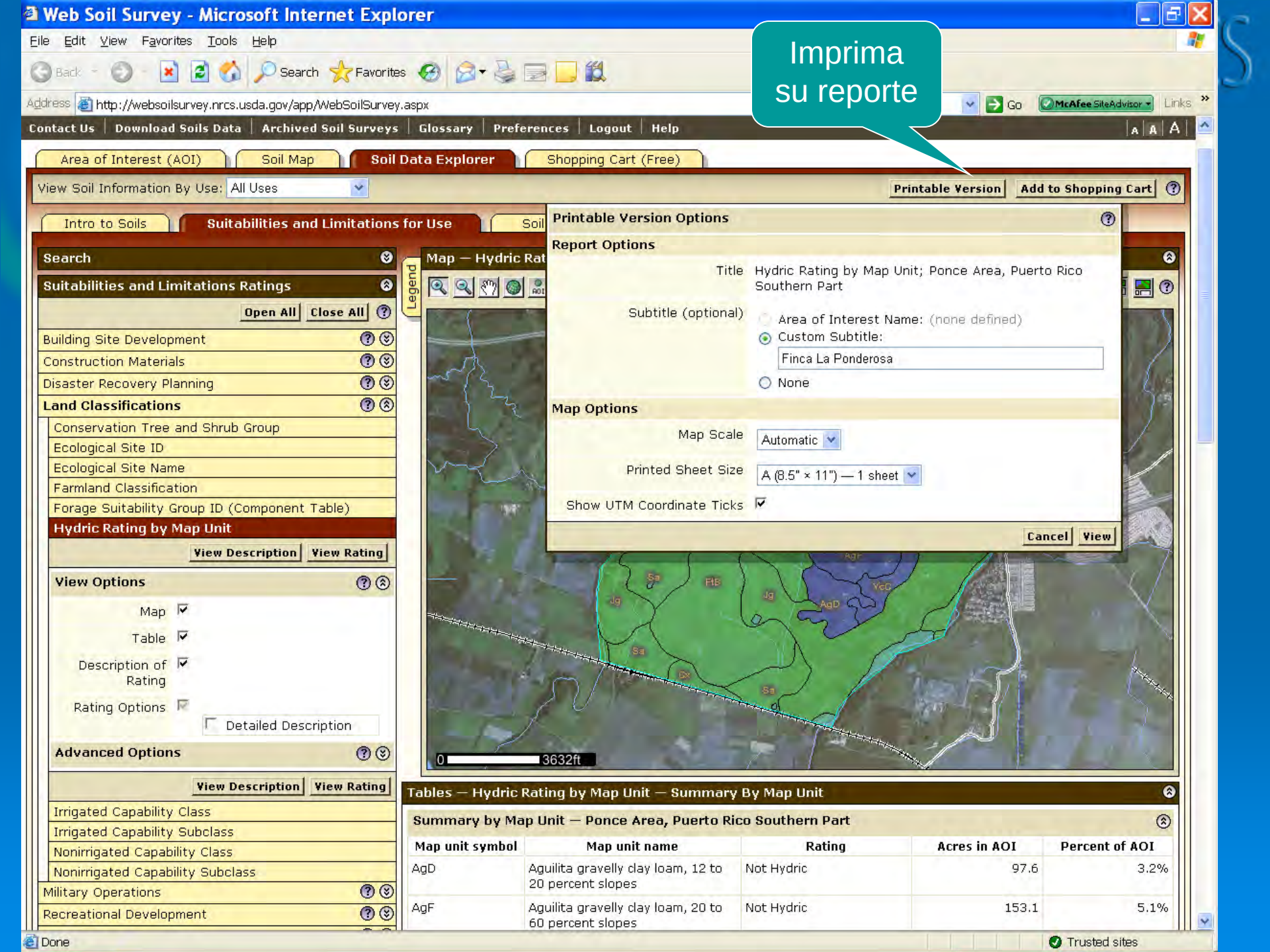

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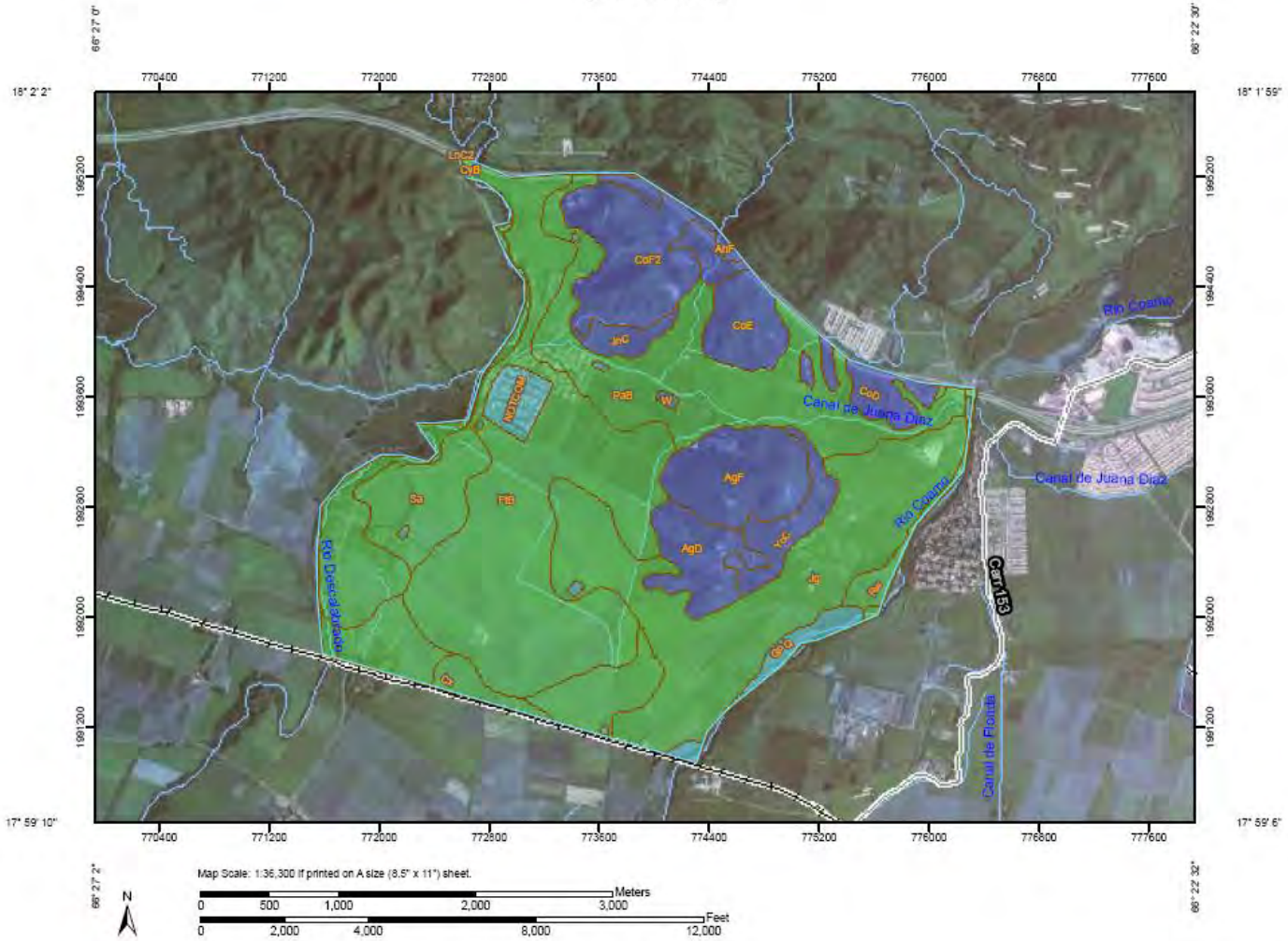
Hydric Rating by Map Unit
(Finca La Ponderosa)



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National Cooperative Soil Survey

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Hydric Rating by Map Unit–Ponce Area, Puerto Rico Southern Part
(Finca La Ponderosa)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Soil Ratings
- All Hydric
- Partially Hydric
- Not Hydric
- Unknown Hydric
- Not rated or not available

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads

MAP INFORMATION

Map Scale: 1:36,300 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 19N NAD83

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

Soil Survey Area: Ponce Area, Puerto Rico Southern Part
Survey Area Data: Version 5, Dec 27, 2006

Date(s) aerial images were photographed: 2004

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.

Hydric Rating by Map Unit

Hydric Rating by Map Unit— Summary by Map Unit — Ponce Area, Puerto Rico Southern Part				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AgD	Agullita gravelly clay loam, 12 to 20 percent slopes	Not Hydric	97.6	3.2%
AgF	Agullita gravelly clay loam, 20 to 60 percent slopes	Not Hydric	153.1	5.1%
AhF	Agullita stony clay loam, 20 to 60 percent slopes	Not Hydric	5.6	0.2%
CoD	Caliabo silty clay loam, 12 to 20 percent slopes	Not Hydric	58.9	2.0%
CoE	Caliabo silty clay loam, 20 to 40 percent slopes	Not Hydric	82.6	2.7%
CoF2	Caliabo silty clay loam, 40 to 60 percent slopes eroded	Not Hydric	189.5	6.3%
Cx	Cortada silty clay loam	Partially Hydric	39.2	1.3%
CyB	Cuyon loam, 0 to 5 percent slopes	Partially Hydric	8.5	0.3%
FtB	Fraternidad clay, 2 to 5 percent slopes	Partially Hydric	707.0	23.5%
GPQ	Gravel pits, quarry	Unknown Hydric	42.6	1.4%
Jg	Jacaguas silty clay loam	Partially Hydric	690.2	22.9%
JnC	Jacana clay, 5 to 12 percent slopes	Not Hydric	31.2	1.0%
LnC2	Llanos clay, 5 to 12 percent slopes, eroded	Not Hydric	0.4	0.0%
NOTCOM	Not complete	Unknown Hydric	43.6	1.5%
PaB	Paso Seco clay, 2 to 5 percent slopes	Partially Hydric	422.4	14.0%
Rw	Riverwash	Partially Hydric	31.9	1.1%
Sa	San Anton clay loam	Partially Hydric	285.0	9.5%
W	Water >40 acres	Unknown Hydric	12.2	0.4%
YcC	Yauco silty clay loam, 5 to 12 percent slopes	Not Hydric	106.9	3.6%
Totals for Area of Interest			3,008.6	100.0%

Description

This rating indicates the proportion of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is designated as "all hydric," "partially hydric," "not hydric," or "unknown hydric," depending on the rating of its respective components.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

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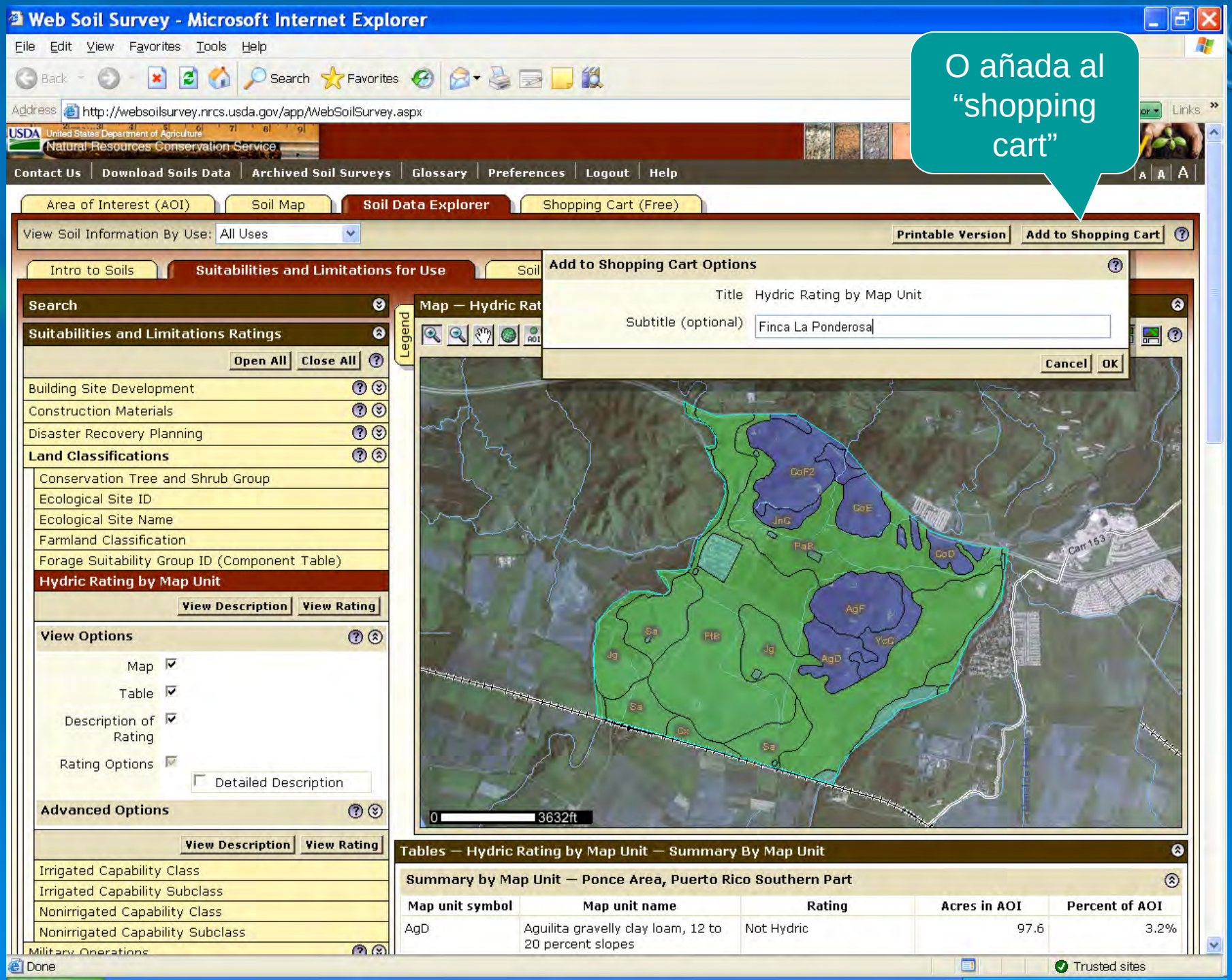
Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.



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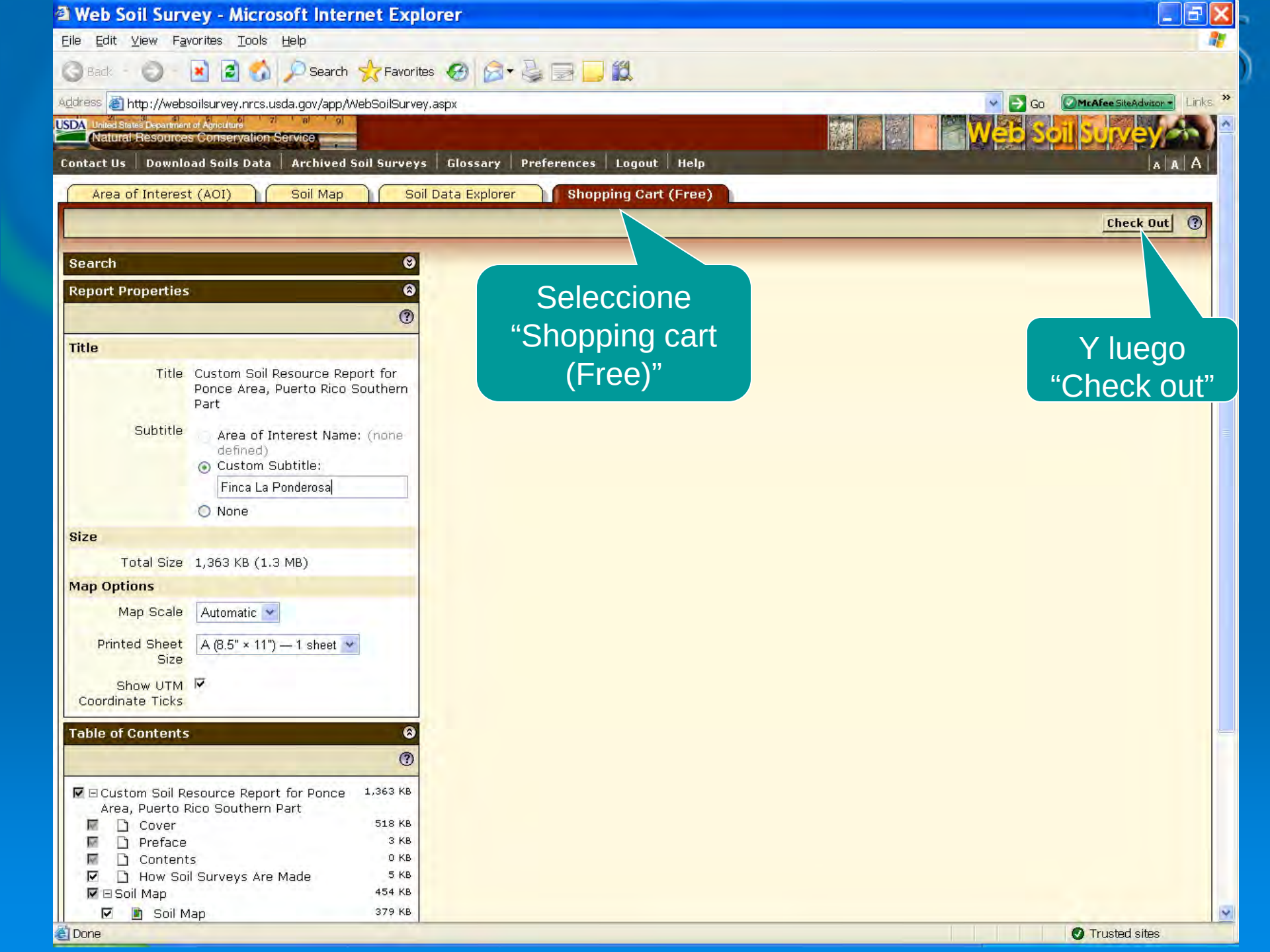
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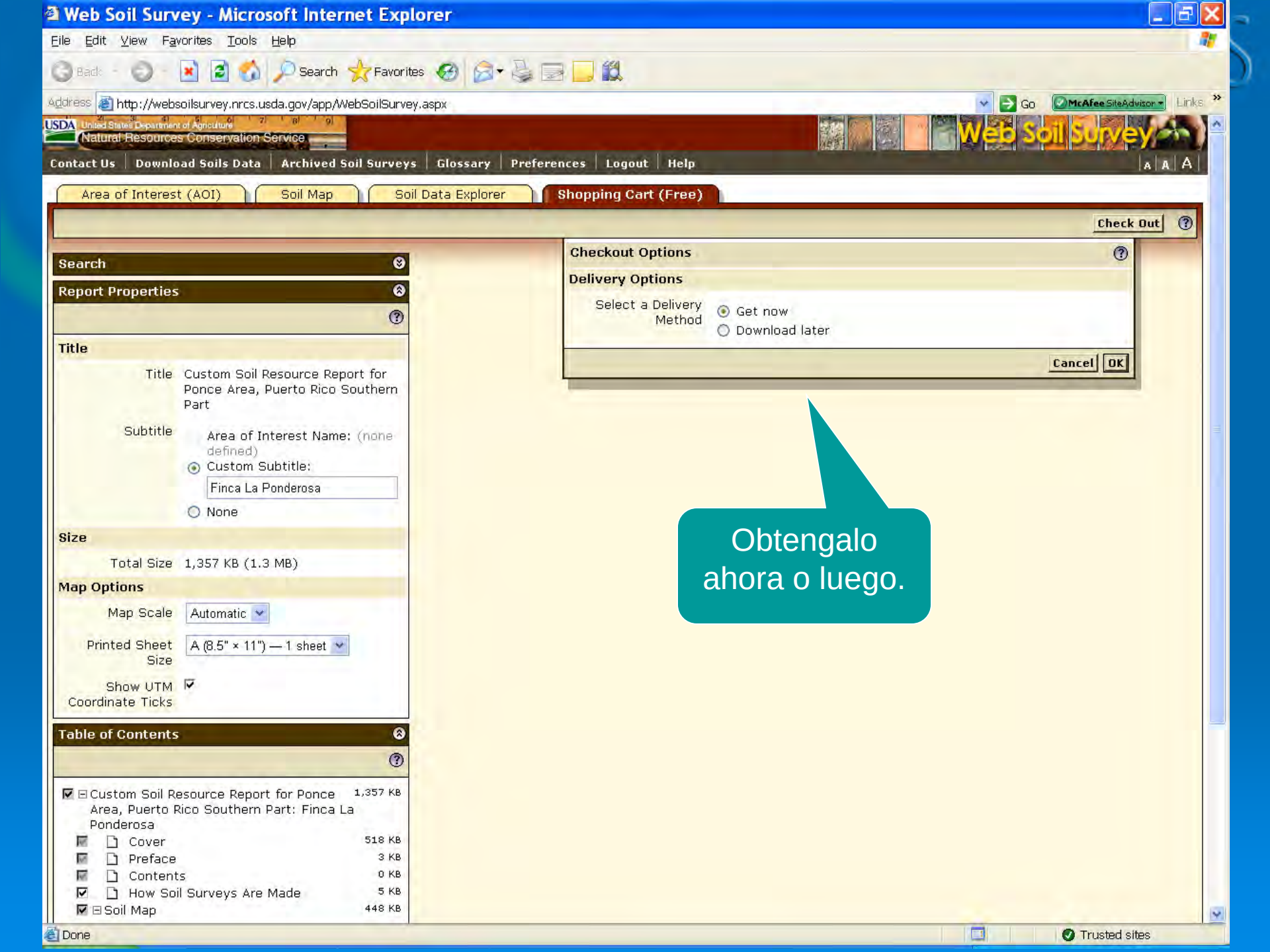
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USDA United States Department of Agriculture

NRCS Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Ponce Area, Puerto Rico Southern Part

Finca La Ponderosa

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

Contents

Ponce Area, Puerto Rico Southern Part

AgD—Aguilita gravelly clay loam, 12 to 20 percent slopes

Map Unit Setting

Elevation: 150 to 820 feet
Mean annual precipitation: 25 to 45 inches
Mean annual air temperature: 77 to 81 degrees F
Frost-free period: 365 days

Map Unit Composition

Aguilita and similar soils: 100 percent

Description of Aguilita

Setting

Landform: Hillslopes
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Head slope, crest, side slope
Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Parent material: Colluvium and residuum

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water capacity: Moderate (about 7.3 inches)

Interpretive groups

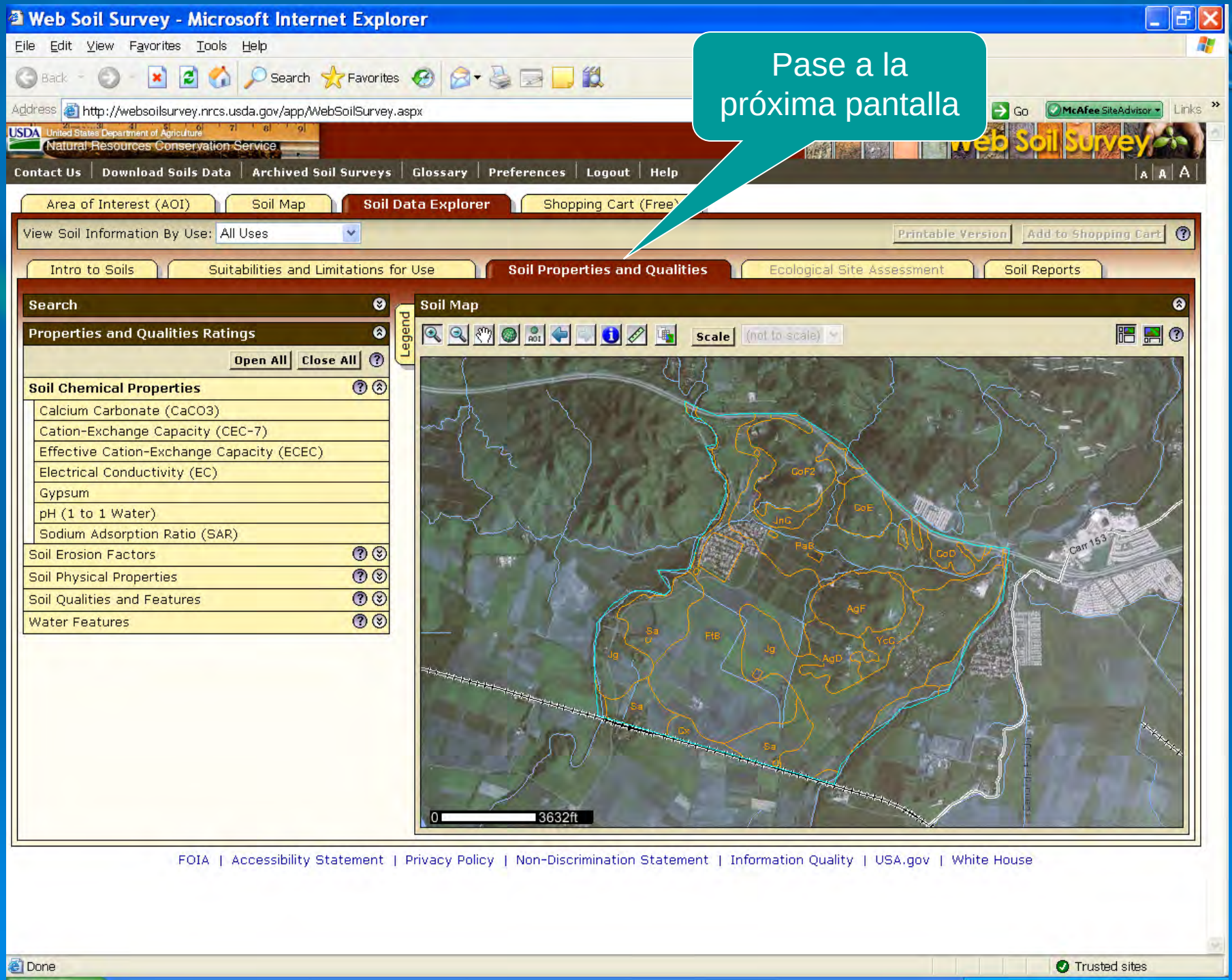
Land capability (nonirrigated): 6e

Typical profile

0 to 13 inches: Gravelly clay loam
13 to 60 inches: Gravelly loam

AgF—Aguilita gravelly clay loam, 20 to 60 percent slopes

Map Unit Setting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Properties and Qualities Rati

Soil Chemical Properties

- Calcium Carbonate (CaCO3)
- Cation-Exchange Capacity (CEC-7)
- Effective Cation-Exchange Capacity (EC
- Electrical Conductivity (EC)
- Gypsum
- pH (1 to 1 Water)

View Description | View Rating

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Advanced Options

Aggregation Method: Dominant Component

Component Percent Cutoff:

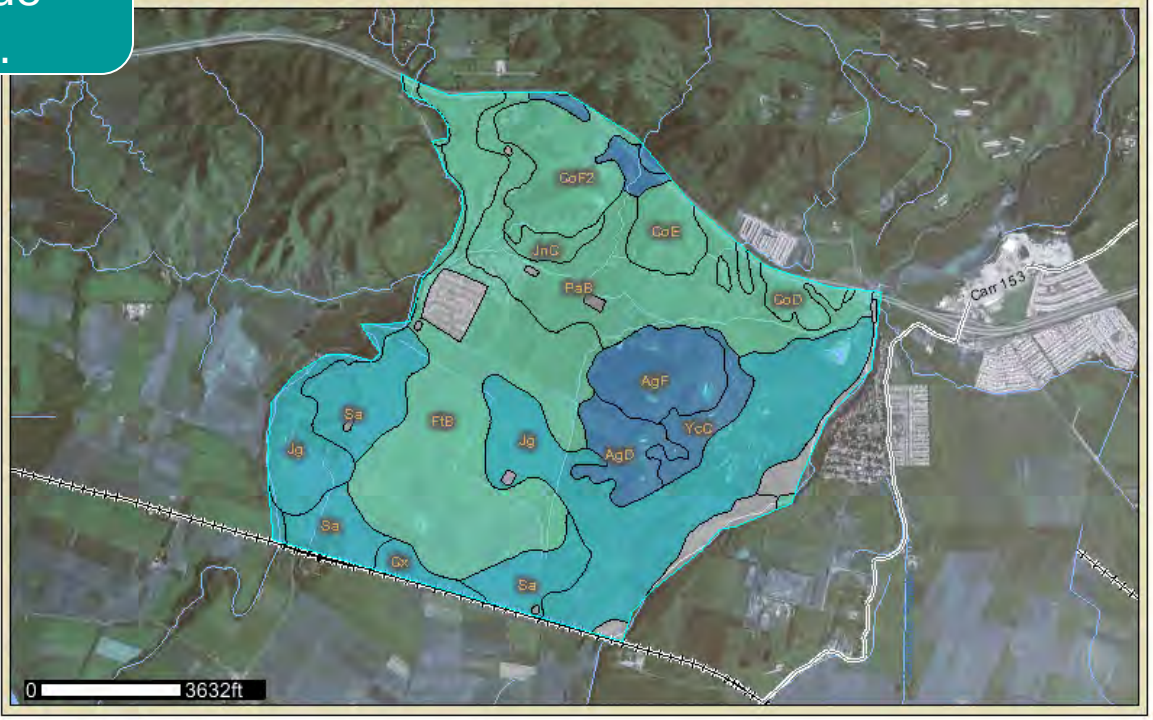
Tie-break Rule: ○ Lower ◉ Higher

Interpret Nulls as Zero: ○ Yes ◉ No

Layer Options: ◉ Surface Layer ○ Depth Range

Top Depth:
Bottom Depth:
○ Inches ◉ Centimeters

Scale (not to scale)



Tables — pH (1 to 1 Water) — Summary By Map Unit

Summary by Map Unit — Ponce Area, Puerto Rico Southern Part

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AgD	Aguilita gravelly clay loam, 12 to 20 percent slopes	8.2	97.6	3.2%
AgF	Aguilita gravelly clay loam, 20 to 60 percent slopes	8.2	153.1	5.1%
AhF	Aguilita stony clay loam, 20 to 60 percent slopes	8.2	5.6	0.2%
CoD	Callabo silty clay loam, 12 to 20 percent slopes	6.7	58.9	2.0%
CoE	Callabo silty clay loam, 20 to 40 percent slopes	6.7	82.6	2.7%
CoF2	Callabo silty clay loam, 40 to 60	6.7	189.5	6.3%

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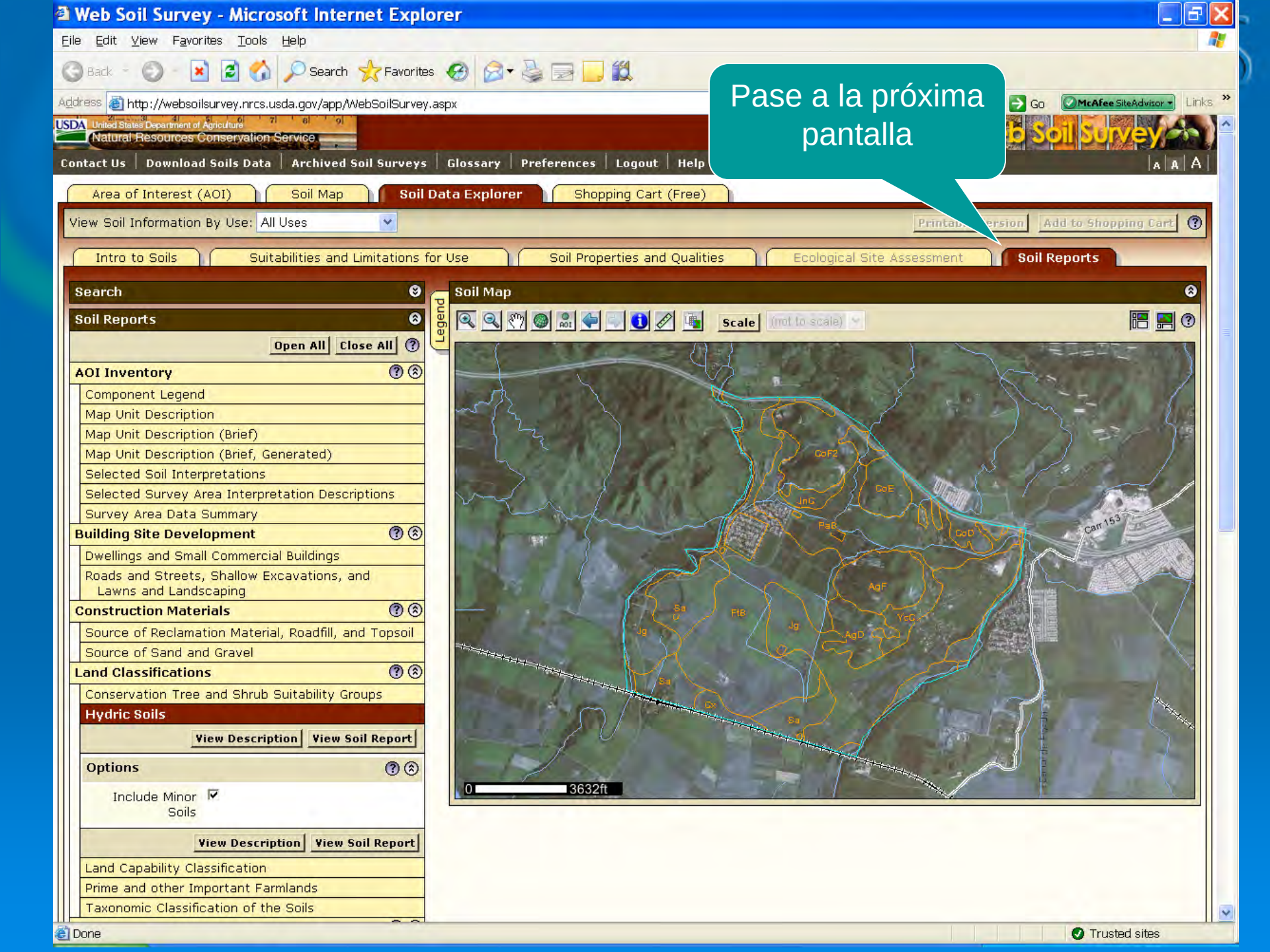
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  - Irrigated and Nonirrigated Yields by Map Unit Component
  - Irrigated Yields by Map Unit

Report — Hydric Soils

Ponce Area, Puerto Rico Southern Part

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric criteria
Cx—Cortada silty clay loam				
	Machuelo	2	Flood plains	3
CyB—Cuyon loam, 0 to 5 percent slopes				
	Machuelo	5	Flood plains	3
FtB—Fraternidad clay, 2 to 5 percent slopes				
	Aguirre	3	Depressions	2A, 3
Jg—Jacaguas silty clay loam				
	Machuelo	5	Flood plains	3
PaB—Paso Seco clay, 2 to 5 percent slopes				
	Aguirre	3	Depressions	2A, 3
Rw—Riverwash				
	Hydraquents	20	Flood plains	2B3, 3, 4
Sa—San Anton clay loam				
	Vayas	3	Flood plains	4

Description — Hydric Soils

Hydric Soils

This table lists the map unit components that are rated as hydric soils in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National

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Hydric Soils

Ponce Area, Puerto Rico Southern Part

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric rating	Hydric criteria
Cr:					
Cintrona clay	Machuelo	5	Flood plains	Yes	3
Hy:					
Hydraquents	Hydraquents	100	Flood plains	Yes	2B3, 3, 4
Ma:					
Machuelo clay	Machuelo	100	Flood plains	Yes	3

Explanation of hydric criteria codes:

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
   A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
   B. are poorly drained or very poorly drained and have either:
      1.) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
      2.) a water table at a depth of 0.5 foot or less during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
      3.) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
3. Soils that are frequently ponded for long or very long duration during the growing season.
4. Soils that are frequently flooded for long or very long duration during the growing season.

This table lists the map unit components that are rated as hydric soils in the survey area. This list can help in planning land uses; however, onsite investigation is recommended to determine the hydric soils on a specific site (National Research Council, 1995; Hurt and Vasilas, 2006).

The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology (Cowardin and others, 1979; U.S. Army Corps of Engineers, 1987; National Research Council, 1995; Tiner, 1985). Criteria for all of the characteristics must be met for areas to be

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- Dwellings and Small Commercial Buildings
- Roads and Streets, Shallow Excavations, and Lawns and Landscaping

Construction Materials
- Source of Reclamation Material, Roadfill, and Topsoil
- Source of Sand and Gravel

Land Classifications

Recreational Development
- Camp Areas, Picnic Areas, and Playgrounds
- Paths, Trails, and Golf Fairways

Sanitary Facilities
- Landfills
- Sewage Disposal

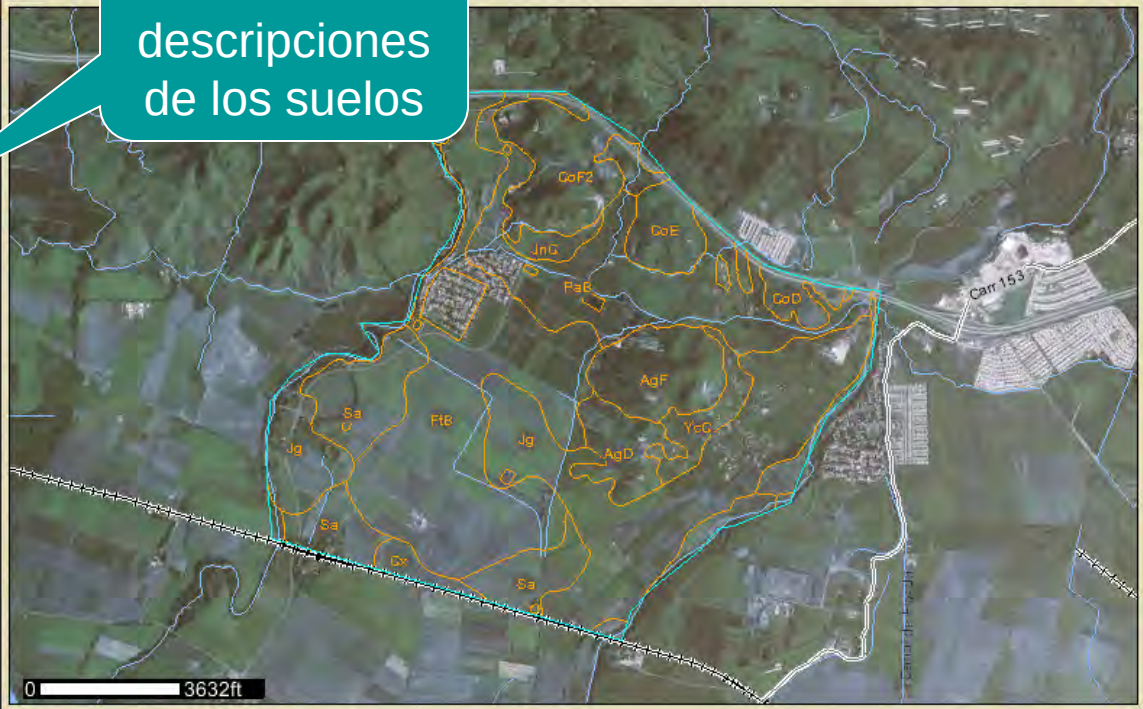
Soil Chemical Properties

Para descripciones de los suelos

Soil Map

Legend

(not to scale)



Report — Hydric Soils

Ponce Area, Puerto Rico Southern Part

Map symbol and map unit name	Component	Percent of map unit	Landform	Hydric criteria
Cx—Cortada silty clay loam				

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  - RUSLE2 Related Attributes
  - Windbreaks and Environmental Plantings
- **Soil Physical Properties**
  - Engineering Properties
  - Physical Soil Properties
- **Soil Qualities and Features**
  - Soil Features

Legend Scale (not to scale)

Report — Map Unit Description (Brief, Generated)

Minor map unit components are excluded from this report.

Ponce Area, Puerto Rico Southern Part

Map Unit: AgD—Aguilita gravelly clay loam, 12 to 20 percent slopes

Component: Aguilita (100%)

The Aguilita component makes up 100 percent of the map unit. Slopes are 12 to 20 percent. This component is on hillslopes on hills. The parent material consists of colluvium and residuum. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 85 percent. The soil has a slightly sodic horizon within 30 inches of the soil surface.

Map Unit: AgF—Aguilita gravelly clay loam, 20 to 60 percent slopes

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