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. Persons with disabilities who require alternative means for communication of soil survey information should contact the <u>NRCS at the USDA Service Center</u> that services the county of interest. See also the <u>NRCS Accessibility Statement</u>.

Before you start, see:

"Web Soil Survey-How To Use It" (PDF)



Web Soil Survey

Version 1.1 Maintenance Schedule Supported Browsers

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

Welcome to the NCSS Web Soil Survey.

3 Basic Steps make WSS a simple yet powerful way to access and use soil data.



View.

Explore.

Area of Interest

2

3

Soil Map

Use the Area of Interest tab to define the area you are interested in. You can define an area by zooming in on a map and drawing a box around your area or by selecting from a choice list. You must complete this step before you can go on to the next two steps.

Next, click on the Soil Map tab to view and print a map of the soils in your area.

Third, click on the Soil Data Explorer tab to access soil data for your area.

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	Fine Harbor City

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Sanitary Facilities

Recreational Development

Vegetative Productivity

Waste Management

Water Management

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10/2/2006

5. When ready, click View Ratings.

Note: The ratings results you get in Web Soil Survey are identical to those in Soil Data Viewer 5.0 or later.

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Web	Soil	Survey	1

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United States Department of Agricultur **Natural Resources Conservation Service** Contact Us Download Soils Data Preferences Logout Help AAA Area of Interest Soil Data Explorer Soil Map View Soil Information for: All Uses Create Printable Document Soil Properties and Soil Soil Survey Legend Sultabilities and X Limitations for Use Qualities Reports **Publications** Ø Map Legend ٢ itations Rating Map - Nonirrigated Capability Class Sui Soil Ratings O. Open All se All Scale inot to scale) Capability Class - I Capability Class II 3 Bu ent Capability Class - Ill ٢ Capability Class - N Co ٢ Capability Class · V Dis ning Capability Class - VI ٢ La Capability Class - Vi 1.1 d Shrub Group Capability Class · VIII BEACH BLVD Not rated or not available Soil Map Units E¢. Hydrography)n TAMPA RD Water PstAt ENSACOLA R up ID (Compone Roads Rails lass PHG Interstate Highways ubclass **New Jersey** Ocean .ig Cities TELE ility Class Detailed Counties escription View irigs Detailed States Oceans . NG 80 16100 - 43 32.5

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Rating Options	Summary	by Map Unit - Ocean Count	y, New Jerse	ey ·	· · · · · · · · · · · · · · · · · · ·
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Nonirrigated Capability Subclass		complex, 0 to 1 percent	1.		· . · · ·
and Management		slopes, very frequently			
1ilitary Operations	AtsA	Atsion sand, 0 to 2 percent	5	270.2	12.6
Recreational Development		slopes		· }	· · · · ·
Sanitary Facilities 🛞	BerAr	Berryland sand, 0 to 2	5	120.4	5.6
/egetative Productivity 🛞		flooded			
Vaste Management 🛞	HbmB	Hammonton loamy sand, 0	2	12.9	0.6
Vater Management 🛞		to 5 percent slopes			
	LakB	Lakehurst sand, 0 to 5 percent slopes	4	494.1	23.1
	LasB	Lakewood sand, 0 to 5 percent slopes	7	38.7	1.8
	MakAt	Manahawkin muck, 0 to 2 percent slopes, frequently	7	137.3	6.4
	PHG	Pits, sand and gravel	8	10.8	
	PssA	Psamments, 0 to 3 percent slopes	7	190.9	8.9
	PstAt	Psamments, sulfidic substratum, 0 to 3 percent	8	323.3	15.1
		slopes, frequently flooded	i Sama San San San San San San San San San Sa		· · ·

WATER	Water	Null	403.0	18.9
Descripti	on - Nonirrigated (Capability Class		(
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NONIRRIGATED CAPABILITY CLASS RATING FOR OCEAN COUNTY, NEW JERSEY

NONIRRIGATED CAPABILITY CLASS RATING FOR OCEAN COUNTY, NEW JERSEY

OCGS Soils Class



USDA Natural Resources Conservation Service Web Soil Survey 1.1 National Cooperative Soil Survey 9/11/2006 Page 2 of 4

Tables - Nonirrigated Capability Class

Summary by Map Unit - Ocean County, New Jersey

Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AC
ΑρτΑν	Appoquinimink-Transquaking- Mispillion complex. 0 to 1 percent slopes, very frequently flooded	8	99.7	6.2
AtsA	Atsion sand, 0 to 2 percent slopes	5	253.6	15.8
ВегАг	Berryland sand, 0 to 2 percent slopes, rarely flooded	5	102.7	6.4
LakB	Lakehurst sand, 0 to 5 percent slopes	4	401.2	25.0
LasB	Lakewood sand, 0 to 5 percent slopes	7	38.7	2.4
MakAt	Manahawkin muck, 0 to 2 percent slopes, frequently flooded	. 7	53.7	3.3
PHG	Pits, sand and gravel	8	10.8	0.7
PssA	Psamments, 0 to 3 percent slopes	7	163.8	10.2
.PstAt	Psamments, sulfidic substratum, 0 to 3 percent slopes, frequently flooded	8	242.7	15.1
WATER	Water	Null	238.6	14.9

Description - Nonirrigated Capability Class

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations that show suitability and limitations of groups of soils for rangeland, for woodland, and for engineering purposes.

In the capability system, soils are generally grouped at three levels — capability class, subclass, and unit. Only class and subclass are included in this dataset.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

Class 1 soils have few limitations that restrict their use.

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Class 2 soils have moderate limitations that reduce the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that reduce the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that reduce the choice of plants or that require very careful management, or both.

Class 5 soils are subject to little or no crosion but have other limitations, impractical to remove, that restrict their use mainly

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Nonirrigated Capability Class Rating

to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Parameter Summary - Nonirrigated Capability Class

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. Thesegroups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tic-break" rule determines which value should be returned. The "tic-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tic.

The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tic has occurred.

Component Percent Cutoff:

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tic-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.



Web Soil Survey 1.1 National Cooperative Soil Survey



NONIRRIGATED CAPABILITY CLASS RATING FOR OCEAN COUNTY, NEW JERSEY



USDA Natural Resources Conservation Service

NONIRRIGATED CAPABILITY CLASS RATING FOR OCEAN COUNTY, NEW JERSEY

OCGS Soils Class



MAP INFORMATION

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 18

Soil Survey Area: Ocean County, New Jersey Spatial Version of Data: 2 Soil Map Compilation Scale: 1:24000

Map comprised of aerial images photographed on these dates: 1995

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.



Tables - Nonirrigated Capability Class

Summary by Map Unit - Ocean County, New Jersey

Soil Survey Area Map Unit Symbol	Map Unit Name	Rating	Total Acres in AOI	Percent of AOI
AptAv	Appoquinimink-Transquaking- Mispillion complex, 0 to 1 percent slopes, very frequently flooded	8	99.7	6.2
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Class 2 soils have moderate limitations that reduce the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that reduce the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that reduce the choice of plants or that require very careful management, or both.

Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly

to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Parameter Summary - Nonirrigated Capability Class

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The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff:

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.