



United States Department of Agriculture



Mid-Atlantic and  
Caribbean Area  
**Natural  
Resources  
Conservation  
Service**



# NASIS – National Soil Information System

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Scientist

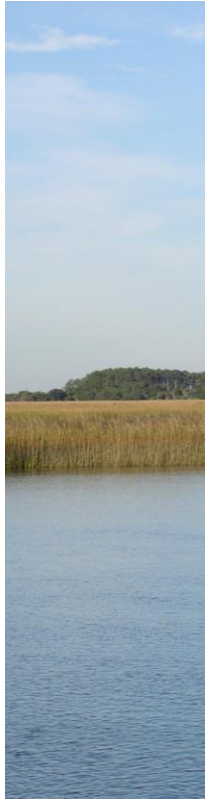
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# What is it?



- **National database that houses much of the collected soils information over the last century.**
- **Consists of multiple interrelated soil applications and databases**
- **It aids in the collection, storage, manipulation and dissemination of soil information**
- **Is the largest repository for soils information in the US and is the basis for many datasets used in interpretations and thematic maps created by other agencies.**



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# Why do we need it?

OCEAN COUNTY, NEW JERSEY — SHEET NUMBER 27

72

SOIL SURVEY

TABLE 6.--PHYSICAL AND CHEMICAL PROPERTIES OF SOILS

[The symbol < means less than; > means more than. Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" apply only to the surface layer. Absence of an entry indicates that data were not available or were not estimated]

Soil name and map symbol	Depth	Permeability	Available water capacity	Soil reaction	Shrink-swell potential	Erosion factors		Wind erodibility group
						K	T	
	In	In/hr	In/in	pH				
AdA----- Adelphia	0-22 22-34 34-60	0.2-6.0 0.2-2.0 0.6-6.0	0.16-0.24 0.16-0.22 0.10-0.18	3.6-5.0 3.6-5.0 3.6-5.0	Low----- Moderate----- Low-----	0.32 0.43 0.20	3	---
At----- Atsion	0-18 18-24 24-60	6.0-20 2.0-6.0 2.0-20	0.06-0.08 0.08-0.12 0.04-0.14	3.6-4.4 4.5-5.0 4.5-5.5	Low----- Low----- Low-----	0.17 0.20 0.20	3	---
Aw----- Atsion	0-13 13-28 28-60	6.0-20 2.0-6.0 >6.0	0.06-0.08 0.08-0.12 0.04-0.14	4.5-5.0 4.5-5.0 4.5-5.0	Low----- Low----- Low-----	0.17 0.20 0.20	3	---
AxB----- Aura	0-16 16-50 50-72	0.2-6.0 0.2-2.0 0.2-6.0	0.10-0.18 0.12-0.14 0.04-0.12	3.6-4.4 4.1-5.0 4.1-5.0	Low----- Low----- Low-----	0.43 0.43 0.43	3	---
Be, BF----- Berryland	0-15 15-24 24-35 35-60	6.0-20 2.0-6.0 2.0-6.0 0.6-2.0	0.06-0.08 0.08-0.12 0.04-0.08 0.04-0.14	3.6-4.4 4.5-5.0 4.5-5.0 4.5-5.0	Low----- Low----- Low----- Low-----	0.17 0.20 0.20 0.20	2	---



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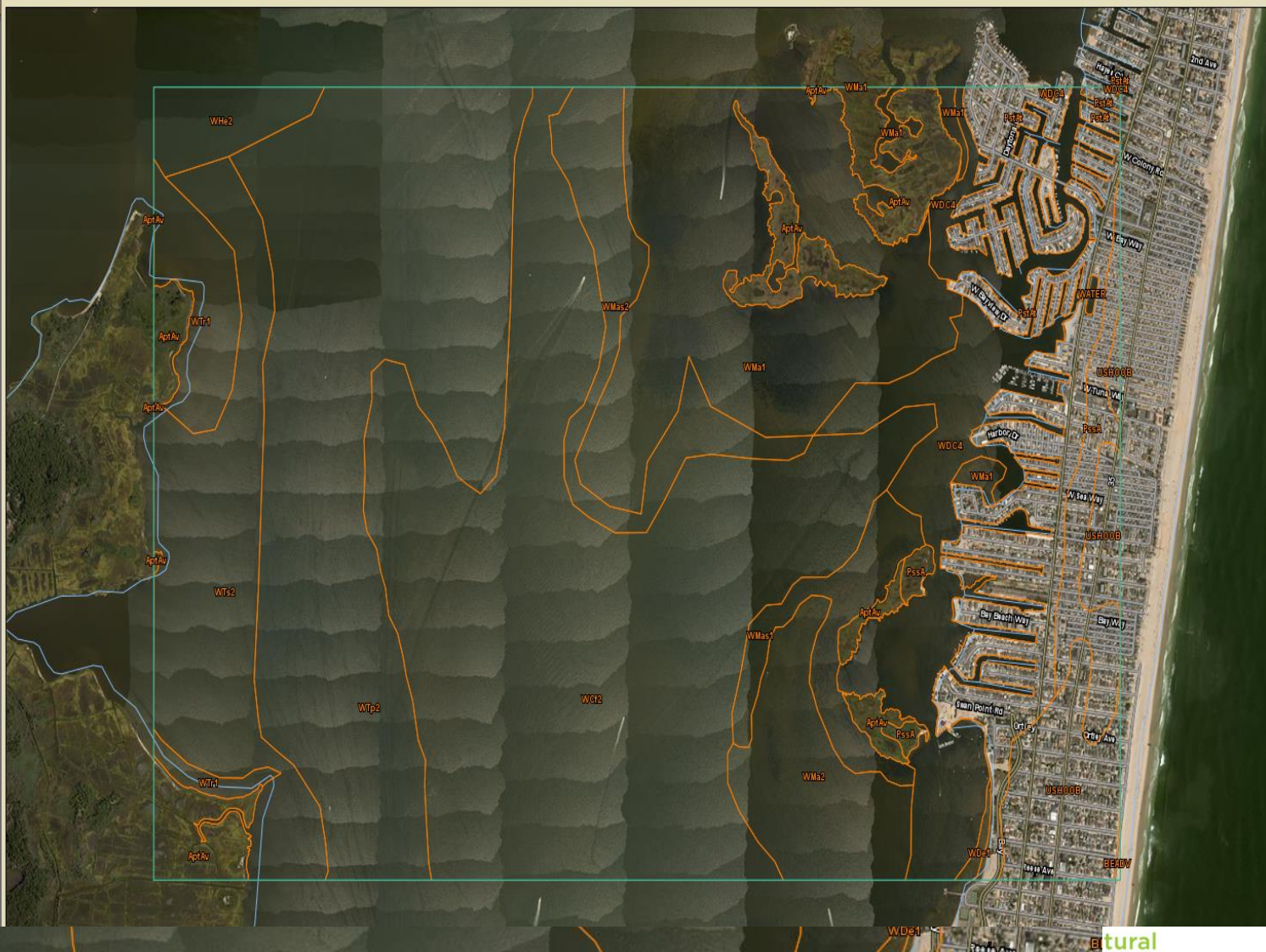
Suitabilities and Limitations Ratings

Open All Close All ?

Building Site Development	? ?
Construction Materials	? ?
Disaster Recovery Planning	? ?
Land Classifications	? ?
Land Management	? ?
Military Operations	? ?
Recreational Development	? ?
Sanitary Facilities	? ?
Soil Health	? ?
Subaqueous Soils	? ?
Vegetative Productivity	? ?
Waste Management	? ?
Water Management	? ?
Wildlife Management	? ?

Legend

Scale (not to scale)



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# Why do we need it?



- **Allows for the quick update of soil maps, data and interpretations.**
- **Allows for area and site specific interpretations**
- **Web Soil Survey (WSS) provides a conduit for the taxpayer to see what we're doing and where. No longer dependent on who can get a copy of the book.**
- **Both NASIS and WSS allow partners to show that the work they're involved with can quickly be incorporated into a product that is disseminated to the public.**



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# Why am I telling you?

- Some agencies and organizations have requirements that all work be made available to the public
- To make others aware. If you work with NRCS Soil Scientist's you'll hear NASIS mentioned over and over.
- Now some will have an understanding of the data we are required to collect in order to populate NASIS to generate needed interpretations
- To lay the groundwork for data collection and sharing. This way, data can be gathered that is able to be captured and stored in NASIS.



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