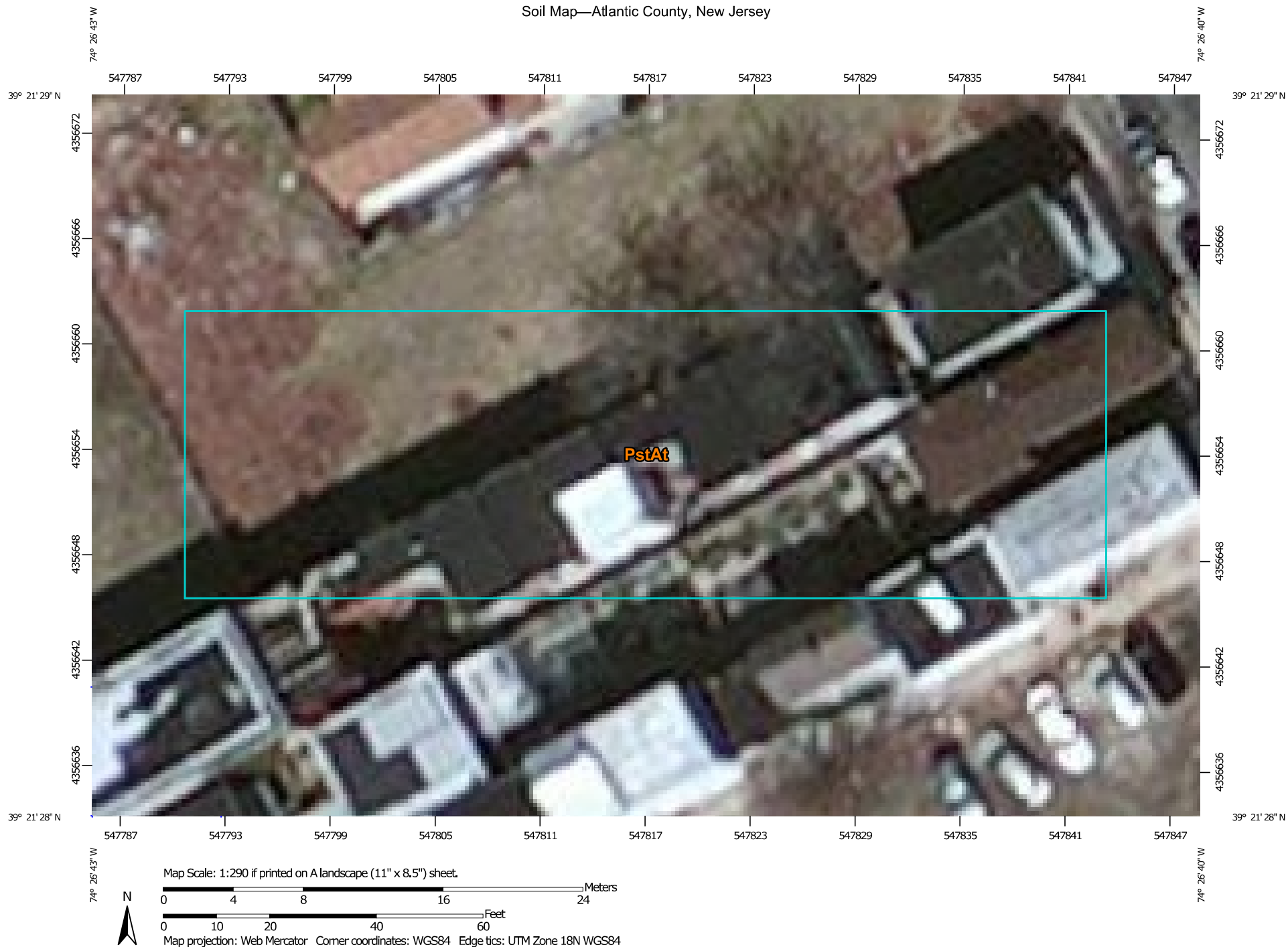



Soil Map—Atlantic County, New Jersey



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: <http://websoilsurvey.nrcs.usda.gov>
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: Atlantic County, New Jersey
Survey Area Data: Version 11, Sep 24, 2014

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

Date(s) aerial images were photographed: Mar 25, 2011—Mar 26, 2011

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

Atlantic County, New Jersey (NJ001)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PstAt	Psammaquents, sulfidic substratum, 0 to 3 percent slopes, frequently flooded	0.2	100.0%
Totals for Area of Interest		0.2	100.0%

Atlantic County, New Jersey

PstAt—Psammaquents, sulfidic substratum, 0 to 3 percent slopes, frequently flooded

Map Unit Setting

National map unit symbol: 2dvpX

Elevation: 20 to 30 feet

Mean annual precipitation: 28 to 59 inches

Mean annual air temperature: 46 to 79 degrees F

Frost-free period: 161 to 231 days

Farmland classification: Not prime farmland

Map Unit Composition

Psammaquents, sulfidic substratum, frequently flooded, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Psammaquents, Sulfidic Substratum, Frequently Flooded

Setting

Landform: Flats

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy lateral spread deposits over organic material

Typical profile

A - 0 to 12 inches: coarse sand

C - 12 to 36 inches: gravelly sand

2Oe1 - 36 to 43 inches: mucky peat

2Oe2 - 43 to 80 inches: mucky peat

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Very poorly drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to very high (0.60 to 20.00 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: Frequent

Frequency of ponding: Frequent

Salinity, maximum in profile: Very slightly saline to strongly saline (2.0 to 32.0 mmhos/cm)

Available water storage in profile: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8w

Hydrologic Soil Group: A/D

Minor Components

Pawcatuck, very frequently flooded

Percent of map unit: 5 percent

Landform: Tidal marshes

Down-slope shape: Linear

Across-slope shape: Linear

Appoquinimink, very frequently flooded

Percent of map unit: 5 percent

Landform: Tidal marshes

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Transquaking, very frequently flooded

Percent of map unit: 5 percent

Landform: Tidal marshes

Down-slope shape: Linear

Across-slope shape: Linear

Data Source Information

Soil Survey Area: Atlantic County, New Jersey

Survey Area Data: Version 11, Sep 24, 2014