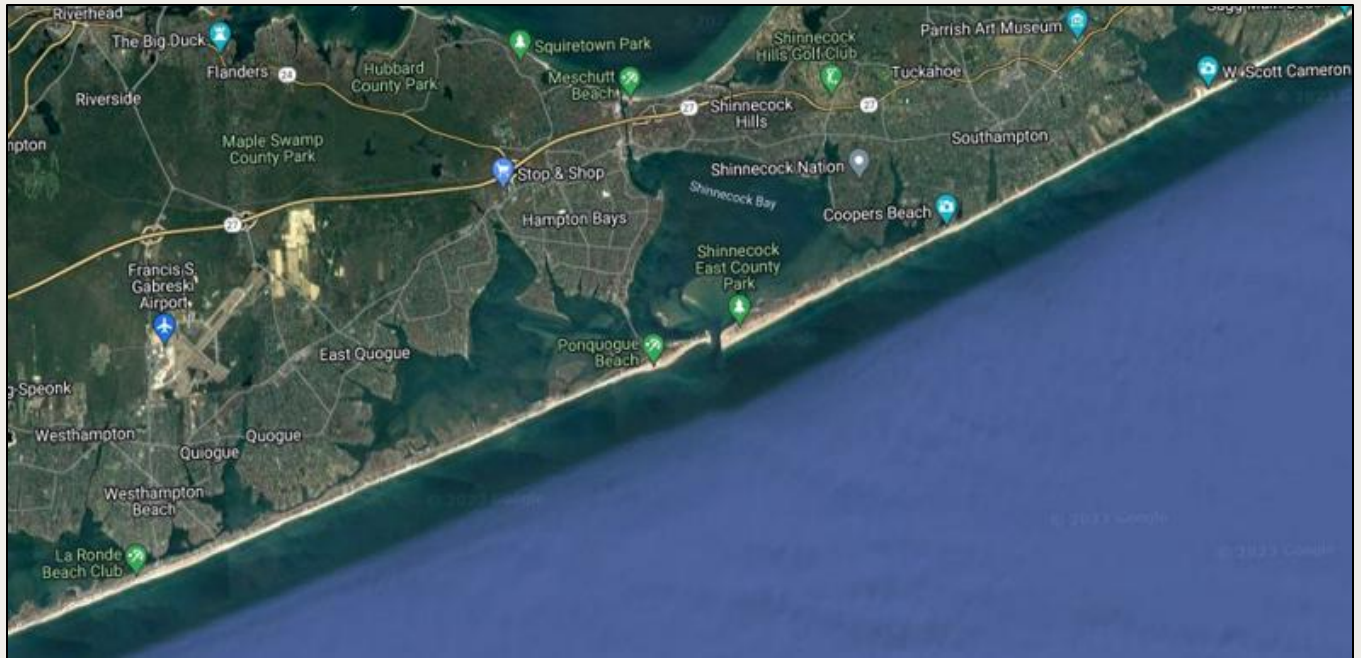




SMS 14.0 Tutorial

Import from Web

Import files from a web database



Objectives

This tutorial gives an overview of the *Import from Web* option offered by SMS. This option connects SMS to a web based program that adds additional functionality to the SMS program. The two programs interact through an internet connection and allow accessing satellite photographs easily and quickly.

This tutorial will review the basic skills concerning how to use the *Import from Web* option.

Prerequisite Tutorials

- None

Required Components

- SMS Core

Time

- 10–20 minutes

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1 Introduction

The *Import from Web* option adds an easier way to obtain images from the internet to use as backgrounds for SMS projects. SMS is able to connect to a data server then retrieve selected photographs or maps of most any location desired. Two specific file types can be obtained through using this option:

- Aerial photo
- World topographical map

2 Importing an Aerial Photo

An aerial photo can be imported into SMS and saved as a background image for a project.

2.1 Selecting the Location of the Aerial Photo

To open the project in SMS, do the following:

1. Select *File* | **New** to clear all previous data.
2. If asked to confirm deletion of all data, click **Don't Save**.
3. Select *File* | **Import from Web...** to bring up the *Map Locator* dialog.
4. In *Search* field, type "Shinnecock Bay, New York", and press *Enter*.
5. From the pop-up menu  below the *Search* field select "ESRI World Imagery".
6. Zoom using the buttons at the top left of the map.
7. Drag the map view with the cursor until it appears similar to Figure 1.

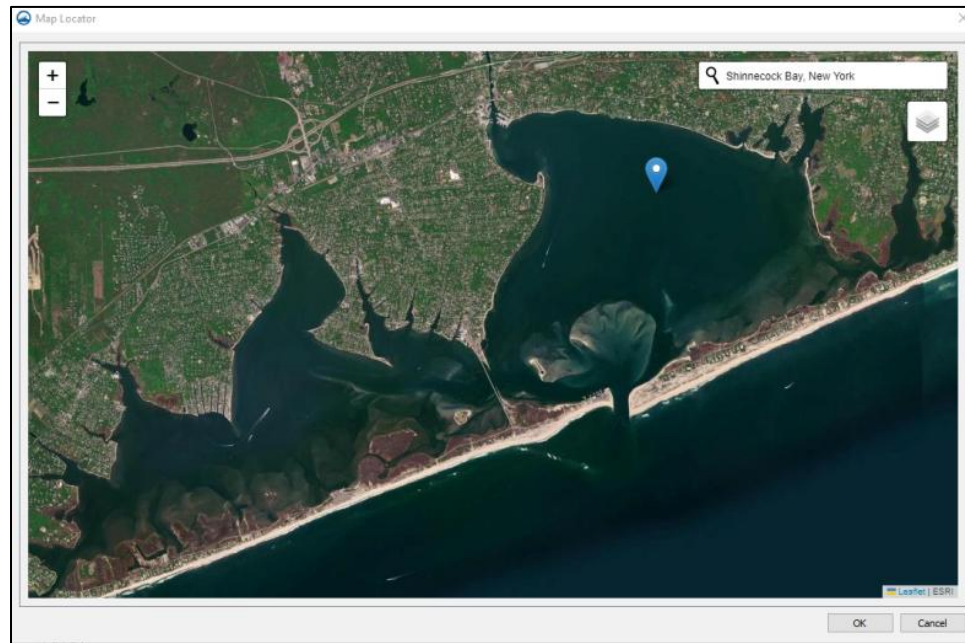


Figure 1 Shinnecock Bay

8. Click the **OK** button to close the *Map Locator* dialog.
9. Click **OK** at the message stating a projection needs to be set.
10. Accept the projection in the *Display Projection* dialog and click **OK** to bring up the *Data Service Options* dialog.

SMS then takes the last image that was in the dialog and allows for saving it in a few ways.

2.2 Saving the Image

In the *Data Service Options* dialog, there are 28 file options (scroll right to view all of them).

1. In the *Data Service Options* dialog, select *World Imagery*.
2. Click **OK** to close the *Data Service Options* dialog and open the *Save Web Services Data File(s)* dialog.
3. From the *Save as type* drop-down, select "Web Services Files (*.tif;*.gml;*.jpg;*.zip)".
4. Browse to the desired location to save the file and enter "shinnecock_bay" as the *File name*.
5. Click **Save** to close the *Save Web Services Data File(s)* dialog.

The confirmation dialog shows the complete path of the file and shows the extension of the file. Since this file is an aerial file, it ends with "*_ag_imagery.tif." Other image types have unique file extensions to help in differentiation.

6. When asked to confirm the creation of the file, click **Yes** to bring up the *Raster Cell Size* dialog.

A suggested scale is already provided in the *Raster Cell Size* dialog, but a different scale can be selected if desired. Remember that the lower the scale the more detailed the image and the more time it will take to save.

7. Click **OK** to accept the default size and exit the *Raster Cell Size* dialog.

SMS then creates the file and loads the image into the Graphics Window.

3 Importing a World Topographic Image

A world topographic image can be imported into SMS and saved to serve as a background for a project.

3.1 Selecting the Location for the Topographic Image

To open a new project in SMS, do the following:

1. Select *File* | **New** to clear all previous data.
2. If asked to confirm deletion of all data, click **Don't Save**.
3. Select *File* | **Import from Web...** to bring up the *Map Locator* dialog.

The location from the previous section has been saved by the *Map Locator*, so there is no need to search for the same location again.

4. Change the pop-up  selection to "ESRI World Topo Map".
5. Press **OK** to accept the default view of the map and exit the *Map Locator dialog*.
6. Click **OK** at message stating a projection needs to be set.
7. Accept the projection in the *Display Projection* dialog and click **OK** to bring up the *Data Service Options* dialog.

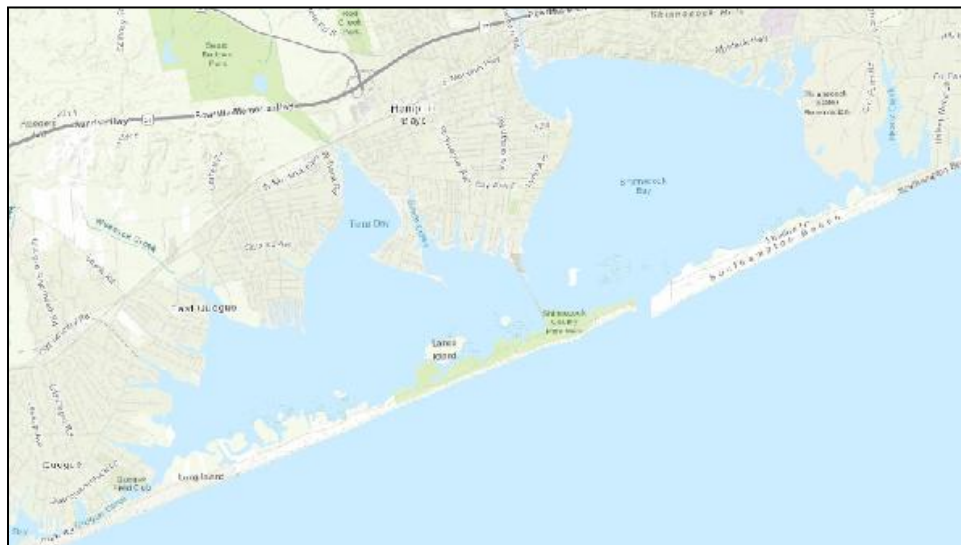


Figure 2 Shinnecock Bay

3.2 Saving the Image

1. Scroll to the right to select *World Topo Map* and click **OK** to close the *Data Service Options* dialog and bring up the *Save Web Services Data File(s)* dialog.
2. Select "Web Services Files (*.tif;*.gml;*.jpg;*.zip)" from the *Save as type* drop-down.
3. Browse to the desired location to save the file and enter "shinnecock_bay_topo" as the *File name*.
4. Click **Save** to close the *Save Web Services Data File(s)* dialog.

5. When asked to confirm the creation of the file, click **Yes** to bring up the *Raster Cell Size* dialog.
6. Click **OK** to accept the default size and exit the *Raster Cell Size* dialog.

SMS then creates the file and loads the image into the Graphics Window.

4 Conclusion

This concludes the “Import from Web” tutorial. Feel free to continue to experimenting with this part of SMS, or exit the program.