

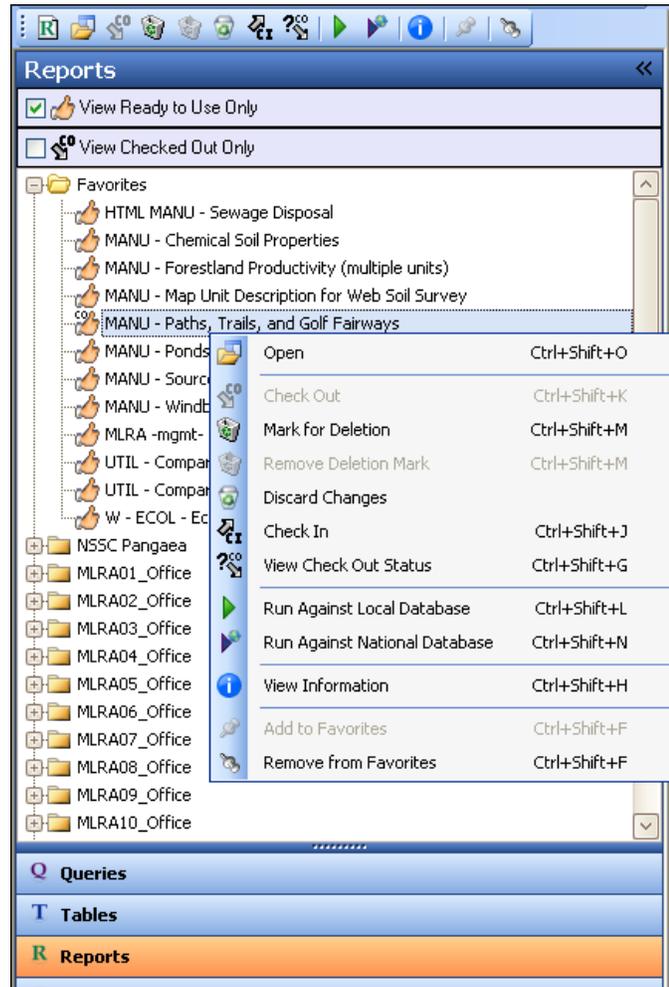
Chapter 16: Reports Explorer

NASIS allows the creation and printing of many kinds of reports including manuscript style tables, map unit description reports, and NASIS generated interpretations. The printing of standard reports is accomplished using the default printer specified on the computer. The procedures outlined in this lesson apply to all standard reports. In later lessons, there will be additional details on preparing interpretation data for reports.

The Reports Explorer is designed for the user to manage reports important to the user. The addition of the “Favorites” folder provides the user the ability to sift through all the reports on any NASIS site and to add preferred reports to the users’ “Favorites” list.

The Reports Explorer allows the user to filter the reports based on those reports that are set “Ready to Use” (thumbs up or thumbs down for not ready to use) or those reports the user has “Checked Out” (the ^{CO} in the upper left corner of the report name – see MANU – Paths, Trails...).)

The Reports Explorer allows the user create and edit reports. It is also used to run a report either against the local database (the selected set) or against the national database.



Printing Reports

Building a Complete Selected Set

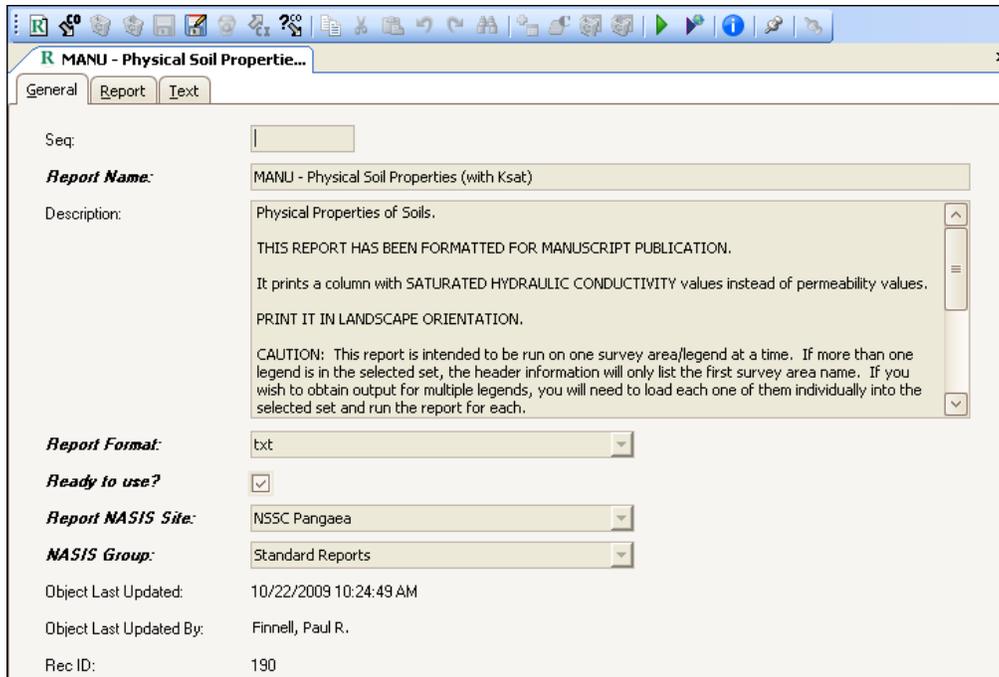
NASIS6 has the capability to run a report from the national database or on the selected set.

To run a report on the national database the report must include all conditional statements that filter the report to run on specific data within the national database.

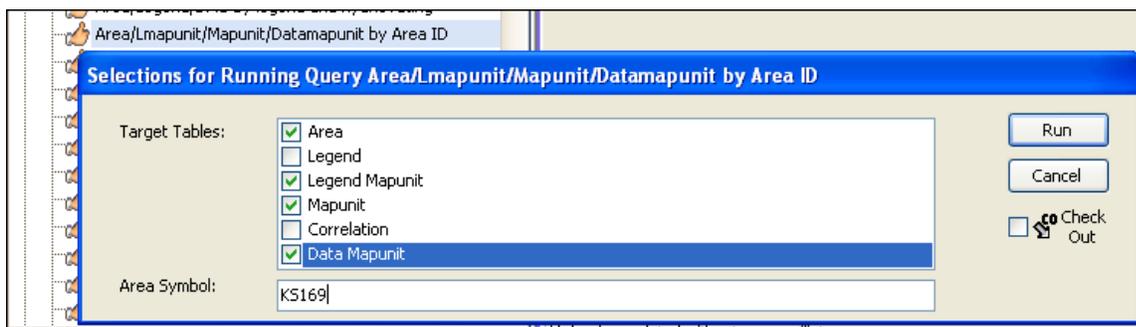
To run a report on the selected set, NASIS assumes that the necessary data has been loaded into the selected set in order to run the selected report. Reports in NASIS are based on data in the selected set. Although data in the tables can be selectively filtered, reports run on the selected set and not the filtered data set.

After the selected set is loaded, choosing a report and printing it is simply a matter of making selections from the Reports Explorer and running the report using “Run Against Local Database”. The task is building the selected set with all the data necessary for the report to complete. To understand the report needs, the user must have an Understanding of NASIS Objects (Chapter 3) and Building a Selected Set (Chapter 4).

1. Clear the selected set by using the Whisk Broom icon on the NASIS toolbar.
2. Open the Reports Explorer.
3. Click on the plus sign next to **NSSC Pangaea** to display all reports owned by the national database. Scroll through the list and open the “**MANU – Physical Properties (with Ksat)**” report.



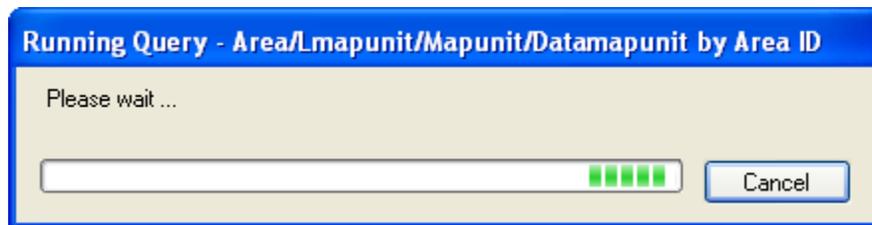
4. The **“General”** tab provides the Report Name and the Report Description.
5. Read the Report Description.
Currently, there are no data in the selected set. The next step is to query the local database and populate the Selected Set.
Note: The **“Report Against Local Database”** reports on records in the selected set, so data must be loaded prior to report a report being run.
6. On the **NASIS Queries Explorer**, select **NSSC Pangaea** and choose the **“Area/Lmapunit/Mapunit/Datamapunit by Area ID”**. Choose the target tables in the query name and choose a survey (e.g. KS169) that is within your local database, then click **Run**.



7. The dialog box will appear with the data that is available, choose **Yes**.



8. The query will run and load data into the selected set.

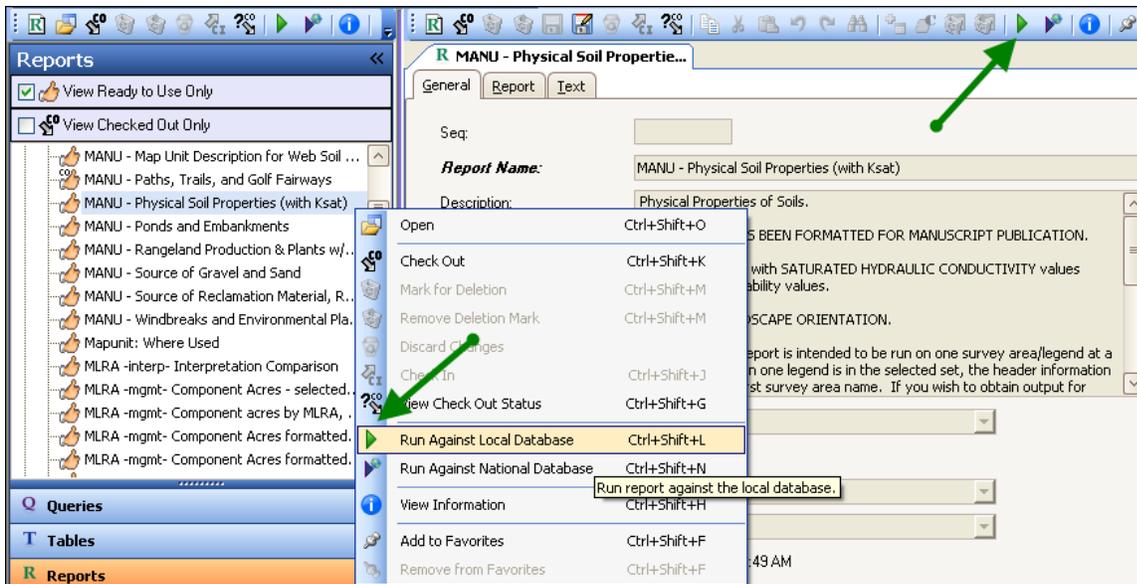


9. To verify the data, in the **Tables Explorer** panel, open the **Legend** table.
10. The four major objects are loaded with the data necessary to run a Manuscript report. It is necessary to verify the data needs of the report are met with the population of the selected set.

Printing a “txt” Report

In NASIS 6, the default computer printer is used for printing. No additional software or set up is necessary.

1. The selected set is populated with data in the Area, Legend, Mapunit and Data Mapunit objects. To print the manuscript report, either
 - a. return to the Report Explorer and choose the report, and Run Against Local Database, OR
 - b. return to the Reports Editor panel (if the report is open) and choose the tab associated with the specific report, and Run Against Local Database.



2. Click on the **Green** triangle to run the report – from either the menu or toolbar.

- The report will appear in the default "txt" file reader. In this image Notepad is the default text file reader. The user can choose Notepad, Wordpad or Word as the text file reader. (The default program is changed in Windows Explorer, Tools, Folder Options, and on the "File Types" tab choose TXT and then change the default program.)

MANU - Physical Soil Properties (with Ksat).txt - Notepad
 File Edit Format View Help
 Saline County, Kansas
 Physical Soil Properties
 Print date: 10/22/2009
 (Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

| Map symbol and soil name | Depth | Sand | Silt | Clay | Moist bulk density | Saturated hydraulic conductivity | Available water capacity | Linear extensibility | Organic matter | Erosion factors | | | Wind | Wind |
|--------------------------|------------------------|-----------------------|-------------------------|---------------------------------------|---------------------------------------|--|---------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|-----|---------------------|---------------------|
| | | | | | | | | | | Kw | Kf | T | erodi- bility group | erodi- bility index |
| | In | Pct | Pct | Pct | g/cc | um/sec | In/in | Pct | Pct | | | | | |
| 2177: McCook----- | 0-17 17-60 | -14- -63- | -69- -23- | 15-18- 20 10-14- 18 | 1.20-1.40 1.30-1.45 | 4.23-14.11 4.23-14.11 | 0.20-0.24 0.17-0.20 | 0.0-2.9 0.0-2.9 | 2.0-4.0 0.5-1.0 | .32 .43 | .32 .43 | 5 | 4L | 86 |
| Aquolls----- | 0-60 | -- | -- | -- | --- | 0.01-10.00 | --- | --- | --- | --- | --- | --- | --- | --- |
| Solomon----- | 0-18 18-60 | 1-10- 15 1-12- 15 | 40-45- 50 30-40- 50 | 40-45- 55 40-48- 55 | 1.35-1.45 1.35-1.45 | 0.01-0.42 0.01-0.42 | 0.12-0.14 0.08-0.12 | 6.0-8.9 6.0-8.9 | 2.0-4.0 1.0-2.0 | .28 .28 | .28 .28 | 5 | 4L | 86 |
| 2179: McCook----- | 0-16 16-60 | -14- -14- | -69- -72- | 15-18- 20 10-14- 18 | 1.20-1.40 1.30-1.45 | 4.23-14.11 4.23-14.11 | 0.20-0.24 0.17-0.20 | 0.0-2.9 0.0-2.9 | 2.0-4.0 0.5-1.0 | .32 .43 | .32 .43 | 5 | 4L | 86 |
| Aquolls----- | 0-60 | -- | -- | -- | --- | 0.01-10.00 | --- | --- | --- | --- | --- | --- | --- | --- |
| 2266: Tobin----- | 0-20 20-32 32-60 | -10- - 9- - 9- | -68- -65- -65- | 18-23- 27 18-27- 35 18-27- 35 | 1.30-1.40 1.35-1.50 1.35-1.45 | 4.23-14.11 4.23-14.11 4.23-14.11 | 0.20-0.24 0.17-0.20 0.18-0.22 | 2.2-4.1 2.2-5.9 2.2-5.9 | 1.0-4.0 1.0-4.0 0.5-0.5 | .32 .32 .43 | .32 .32 .43 | 5 | 6 | 48 |
| Aquolls, ponded----- | 0-60 | -- | -- | -- | --- | 0.01-10.00 | --- | --- | --- | --- | --- | --- | --- | --- |
| Aquolls----- | 0-60 | -- | -- | -- | --- | 0.01-10.00 | --- | --- | --- | --- | --- | --- | --- | --- |
| 2310: Bridgeport----- | 0-14 | -11- | -68- | 14-21- 27 | 1.30-1.40 | 4.23-14.11 | 0.20-0.24 | 0.0-2.9 | 1.0-4.0 | .32 | .32 | 5 | 4L | 86 |

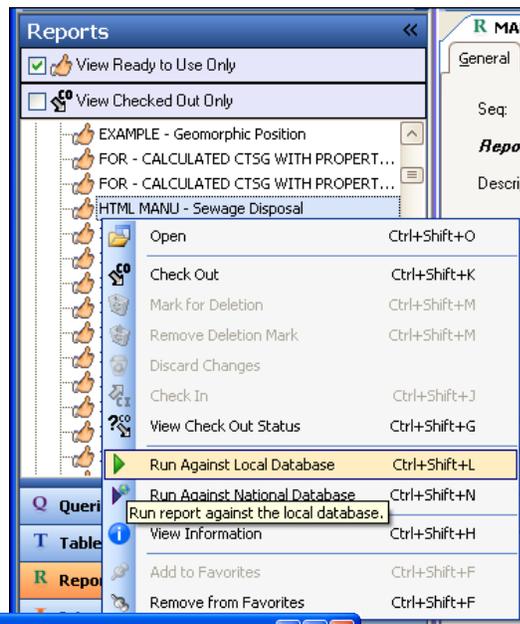
Figure 13-1. Sample Standard Report

Note: For best results set the "txt" reader to Notepad, with the Font set to Courier New.

- The report can be printed using the Notepad File, Print from the menu.
- The report can be saved as a "*.txt" file using File, Save As.

Printing a “html” Report

New to NASIS6 is the ability to create reports using html formatting. Few reports exist since this new report formatting method. In the Reports Explorer, choose the national report named “HTML MANU Sewage Disposal”. Run the using “Run Against Local Database”.



using
is
report

The results appear in the default web browser.

| Map symbol and soil name | Pct. of map unit | EIG - Septic Tank Absorption Fields | | EIG - Sewage Lagoons | |
|--------------------------|------------------|-------------------------------------|-------|------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value |
| 2177: | | | | | |
| Mccook | 100 | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Flooding | 1.00 |
| | | Slow water movement | 0.50 | Seepage | 0.50 |
| Aquolls | 0 | Not rated | | Not rated | |
| Solomon | | | | | |
| | | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Ponding | 1.00 |
| | | Ponding | 1.00 | Flooding | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Slow water movement | 1.00 | | |
| 2179: | | | | | |
| Mccook | 100 | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Flooding | 1.00 |
| | | Slow water movement | 0.50 | Seepage | 0.50 |
| Aquolls | 0 | Not rated | | Not rated | |
| 2266: | | | | | |
| Tobin | 100 | Somewhat limited | | Somewhat limited | |
| | | Flooding | 1.00 | Flooding | 1.00 |
| | | Slow water movement | 0.50 | Seepage | 0.50 |
| Aquolls, ponded | 0 | Not rated | | Not rated | |
| Aquolls | 0 | Not rated | | Not rated | |
| 2310: | | | | | |
| Bridgeport | 100 | Somewhat limited | | Somewhat limited | |
| | | Slow water movement | 0.50 | Seepage | 0.50 |
| | | Flooding | 0.40 | Flooding | 0.40 |