Chapter 24: Populating Ecological Site Projects

Contents

Project plans are managed in the National Soil Information System (NASIS). The Project object is used to manage all project activities. Each ecological site NASIS project will contain only one Ecological Site Description (ESD) concept.

Ecological site projects are developed in one of two methods:

1. Developing all ecological sites for the entire MLRA to the Provisional status.
2. Ongoing work in initial soil surveys bringing work to the Approved status

This chapter is focused on describing the methods of managing ecological site data in NASIS.

Provisional Ecological Site Projects (PES)

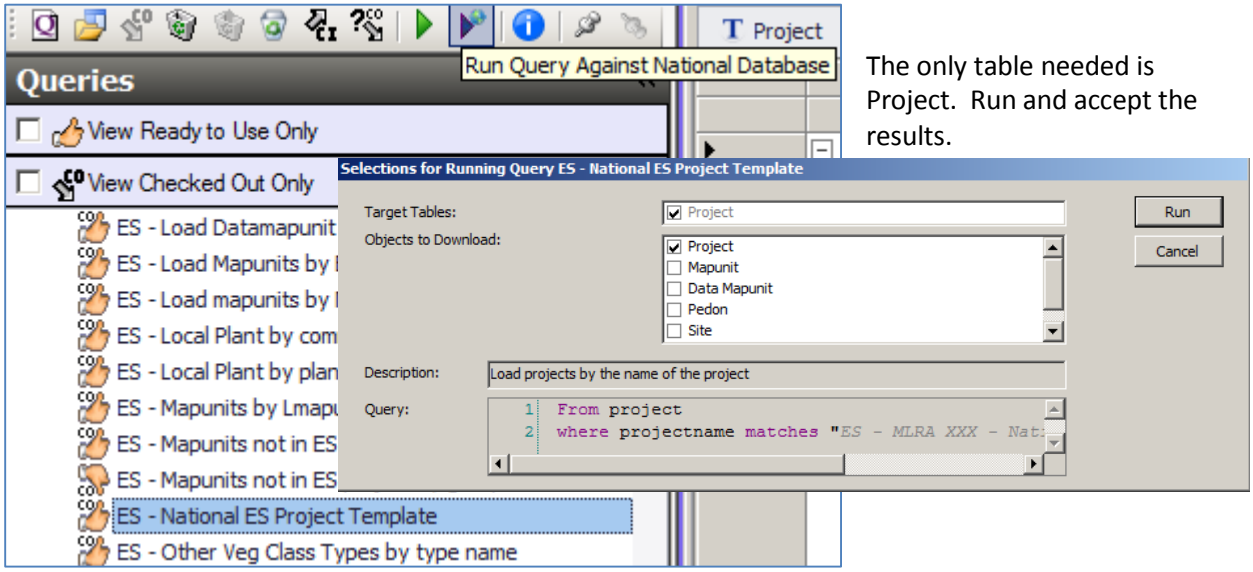
Any MLRA under PES will develop an independent 'ES' project for the MLRA. The project will serve to identify the specific MLRA/LRU and its' PES progress. The following tables and columns are to be populated for the specific PES project.

- **Project Table**
  - User Project ID = 'PES'
  - Project Name = 'ES – MLRA XXX – PES Status' (specific official MLRA symbol)
  - Description = 'PES Progress Reporting'
  - Approved = check if it is an active PES project
  - Project Type Name = 'ES'
  - MLRA Soil Survey Office Area = Symbol and Name
  - Non-MLRA Soil Survey Area = 'leave null'
- **Project Mapunit Table**
  - Leave blank
- **Project Concern Need**
  - Project Concern Type Name = 'Plant condition'
- **Project Ecological Site**
  - Populate the ES ID and Name as they are created
- **Project Mapping Goal**
  - Fiscal Year = active FY
  - Project Staff Member = staff member from Project Staff table
  - Update NRCS Acre Goal = leave Null
- **Project Milestone**
  - Milestone Type Name = 'ES -5- Provisional ESs identified'
  - Scheduled Start Date = set date
  - Scheduled completion Date = set date
- **Project Milestone Progress**
  - Fiscal year = active FY
  - Milestone Progress Amount = precent complete
  - Milestone Progress Unit = 'percent'
- **Project Staff**
  - NASIS User Name = identify staff
  - Project Leader = Identify the responsible person

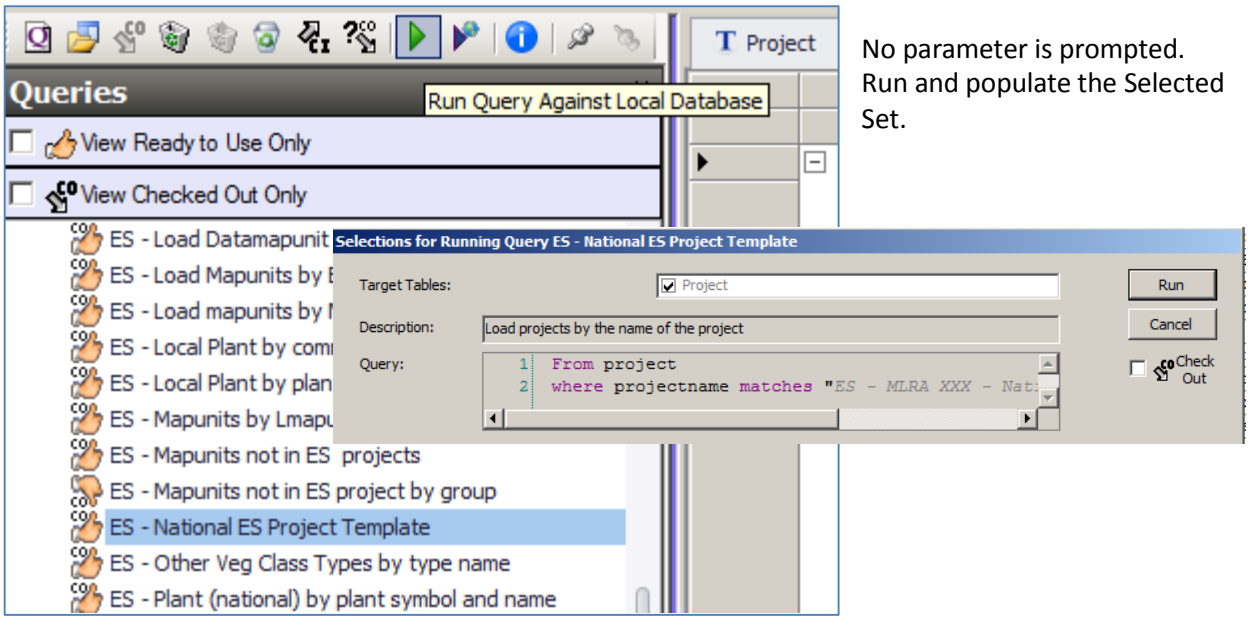
Step 1 – Populate the Ecological Site Project

There are several options in creating NASIS projects and this chapter will cover the two basic methods will be covered here and a third covered in the appendix.

1.1 National Template: The first is, a national template that has been created for entering new Ecological Site Projects. The first step is to query against the National Database to the Local Database, then run the same query a second time, against the Local Database, to populate the Selected Set.

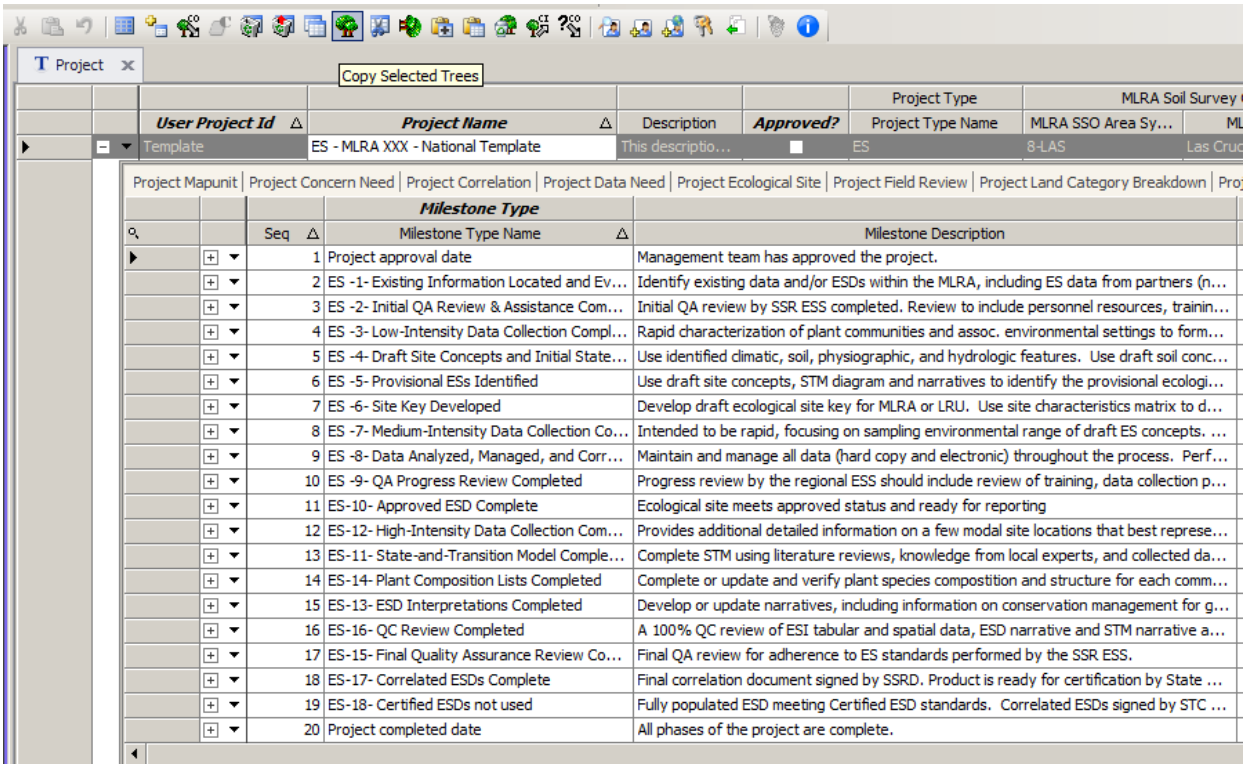


The only table needed is Project. Run and accept the results.

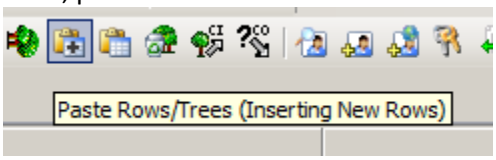


No parameter is prompted. Run and populate the Selected Set.

The national template is loaded. Highlight the Project record, then choose to 'Copy Selected Trees':

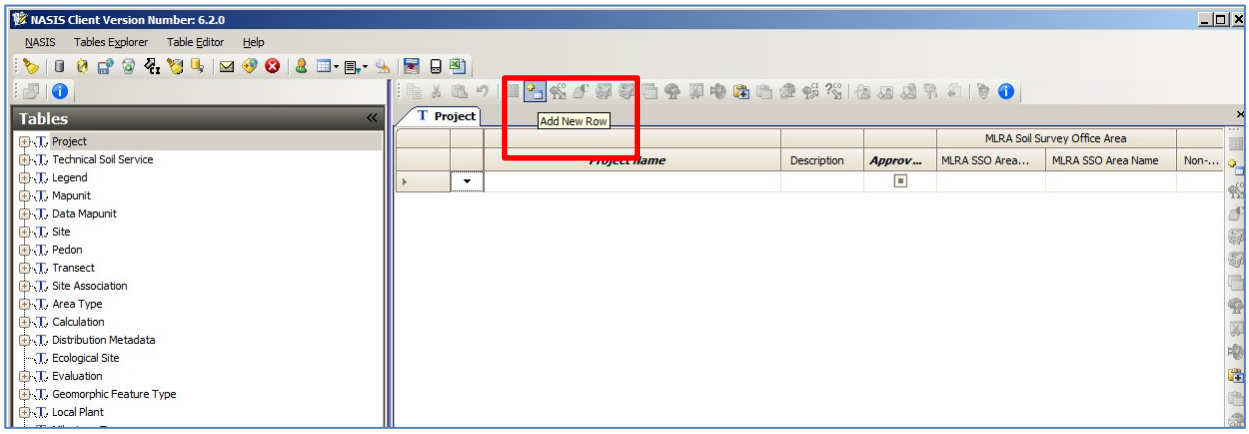


Then, paste the record to create the new ES project:

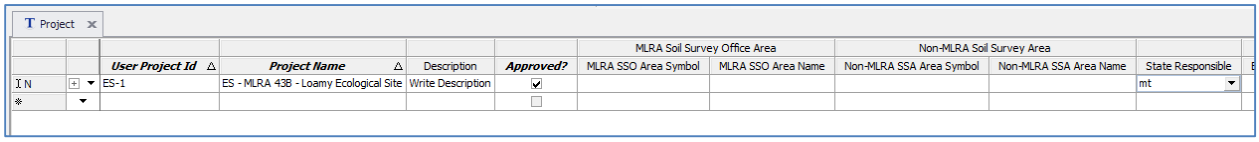


If the national template is used, then skip to Step 2.

1.2 Single record: Another method is to enter a project for an ESD – from the Tables Explorer pane, double click on the **Project** table. Insert a new row by choosing "**Add New Row**" or begin typing in blank row.



1.2.1 User Project ID is a required field (NASIS 6.3) and is designated for the SSO Leader to prioritize and track projects within the soil survey office area. It can be populated as a number to list ES projects in order of priority for the fiscal year, or populated as the user needs.



1.2.2 Project Name: All ES projects will be named following the example below:

- ES^-^MLRA^xxxx^-^yyyy

Where:
"xxxx" is the specific MLRA code in which the project is conducted and
"yyyy" is a free text, descriptive name that identifies the project.

<u>If updating an existing ecological site</u>, it is recommended that both the current ecological site name and ecological site ID be entered into the free text portion of the Project Name. For example:

- ES – MLRA 10 – *JD Claypan 15-18 PZ R010XB063OR*

<u>If creating a new ecological site that doesn't have a name or ID,</u> enter a proposed name if possible. If proposed name is not possible, use the free text portion to enter some unique description of the proposed new ecological site. For example:

- ES – MLRA 10 – *Loamy shallow cool,*
- ES – MLRA 10 – *Big Sage/Fescue north slopes, or*
- ES – MLRA 44 – *Dry pine sites on ashy soils*

1.2.3 Description is an executive summary that provides sufficient documentation to explain the need for the project. Provide justification for proposing the ES project. Once a project is approved, paste the project plan into this field.

1.2.4 Approved column is checked meaning the actual project is 'approved'. If left unchecked the project is 'not approved' and to be worked on at a later date. In the future this field will be checked once a project has been approved by the Management Team. Current examples of approved projects are ESDs that have been approved in the current system by the Management Team, or "grandfathered" ESDs that have already been in progress. (Note: It is perfectly acceptable to have multiple projects in NASIS that are not approved but are in the process of being developed for approval.)

1.2.5 Project Type Name has a choice list. Choose "ES" for Ecological Sites".

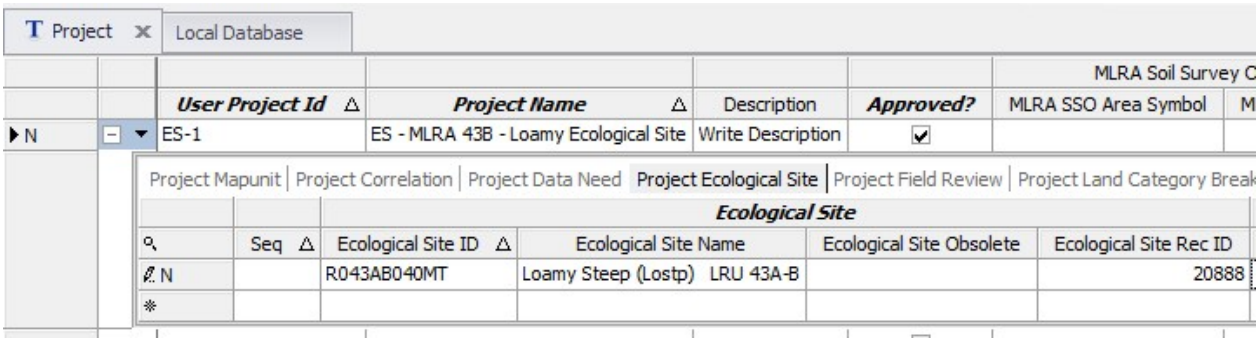
1.2.6 MLRA Soil Survey Office Area banner has a choice list. Choose the office assigned to this project from the list that appears.

1.2.7 Non-MLRA SSA Area Symbol or **Non-MLRA SSA Area Name** IS NOT POPULATED.

1.2.8 State Responsible is a choice list field and identifies the state in which the Responsible *Regional Office* is located. Choose one of the 12 Regional Office states.

Step 2 - Populate the Project Ecological Site Table

This table is populated using the same choice list found in the Component Ecological Site table. The ecological site must be in the Ecological Site Information System (ESIS) database before it can be used to populate this table.

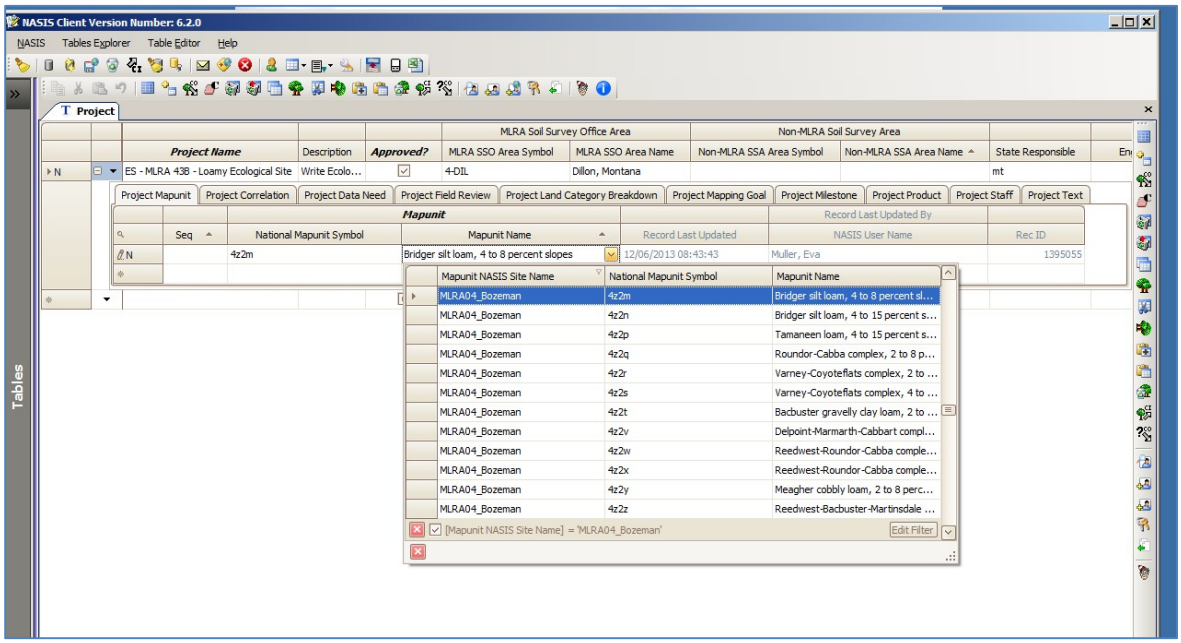


Step 3 - Populate the Project Mapunit Table

Open the child table "Project Mapunit" and populate the map units that in which the named soils are associated with the ecological site. Many methods are available to populate via choice list or query. The best method is to query and populate the Selected Set with the appropriate map units for the

specific ecological site. Then copy and paste the map units from the Mapunit table into the Project Mapunit table.

The following screen shot displays the choice list method. The choice list is built from the map units in the Local database.

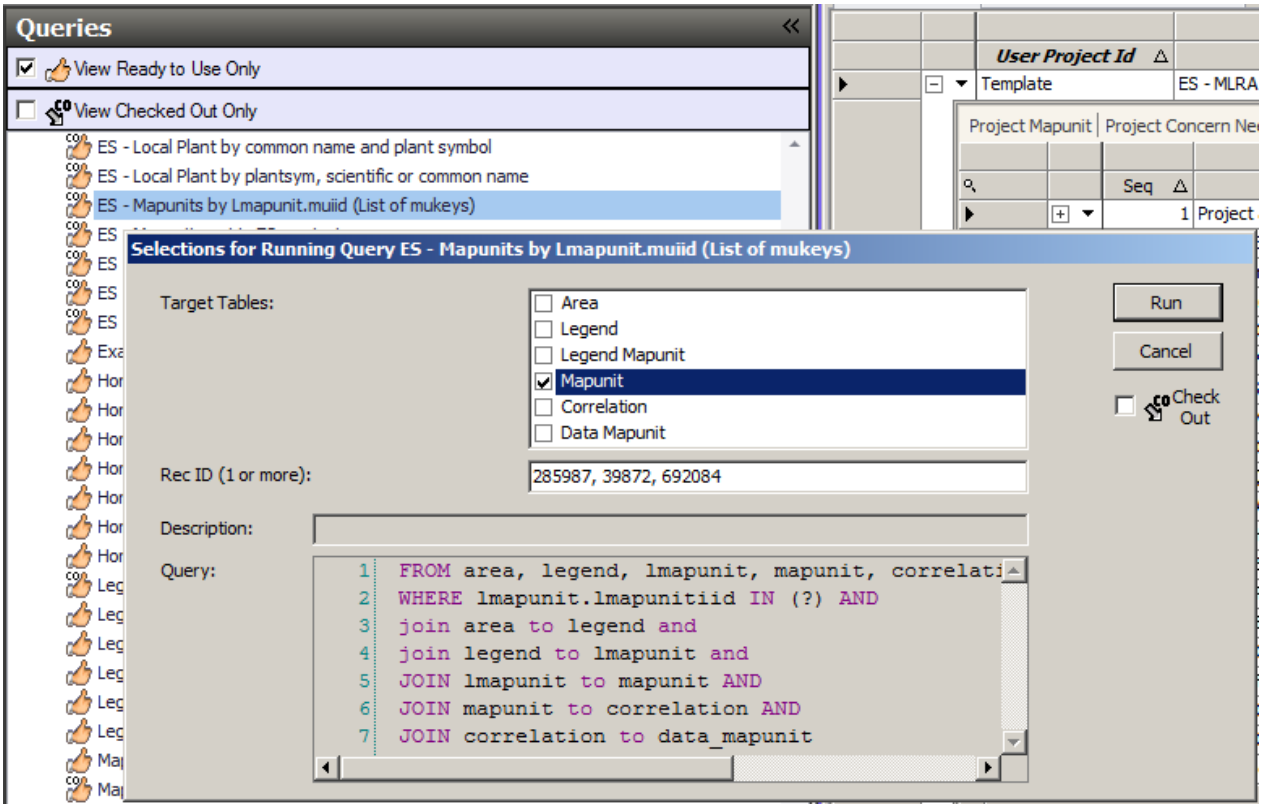


Ecological Site projects in Initial soil surveys will populate this table after the final correlation of the survey.

Proposed Ecological Sites that will be brought to the Provisional status, choose all official "correlated" map units where the named components meet the ecological site concept. This list of map units will be managed and revised until milestone "ES -5- Provisional ESs Identified" is dated as Complete.

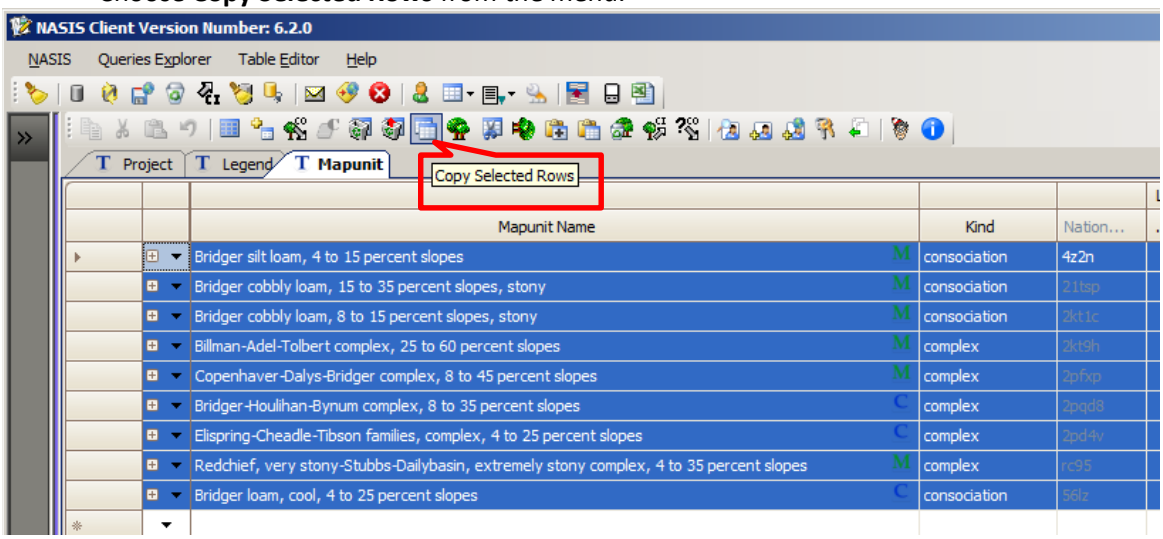
Existing Ecological Sites that will be updated and are presently linked to existing components in correlated map units will choose those map units with components assigned to the named ecological site. This list of map units will need to be maintained and revised as the ecological site is approved and then correlated. The correlation of ecological sites to map units could potentially change.

When map units are in the selected set, the map units are copied from the Mapunit table and pasted into the Project Mapunit table. This method may be easier because the Project Mapunit table does not contain a reference to the map unit symbol or soil survey area. The query "ES - Mapunits by Lmapunit.muiid (List of mukeys)" is designed to take the string of mukeys form the spreadsheet analysis tables and paste into the parameter query. This query can be used to query the national database and the local database to use the copy and paste function to properly assign map units to the appropriate project.

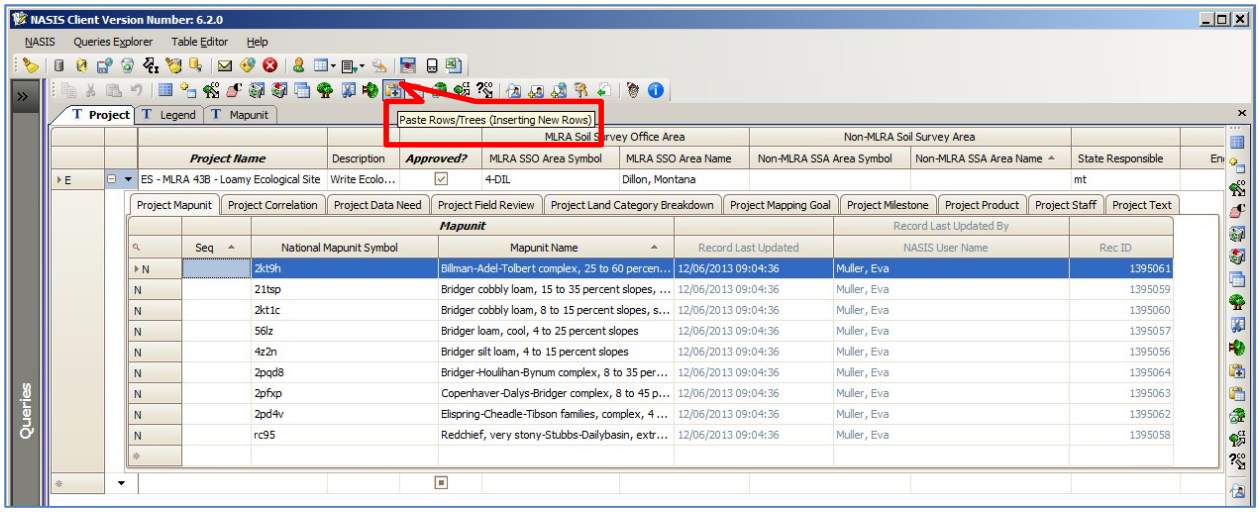


To copy and paste from the Mapunit table:

- Load the mapunits related to the project into the selected set.
- Highlight and copy the map units (select with mouse, use Ctrl+A for all, or **select all** from the menu).
- Choose **Copy Selected Rows** from the menu.



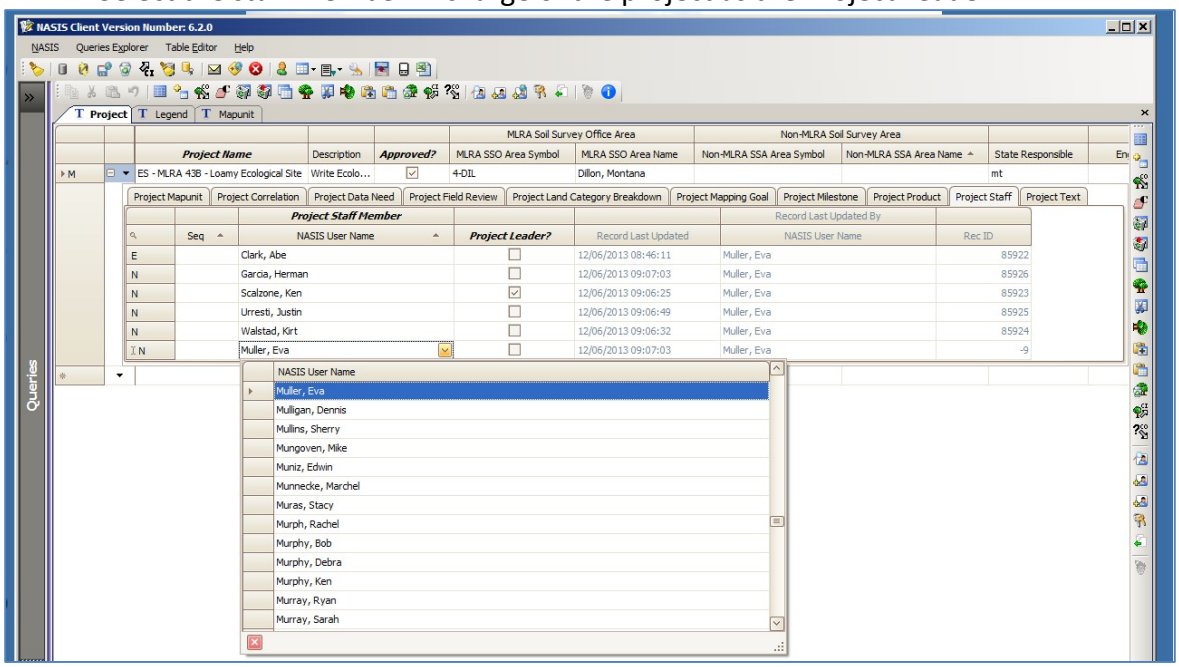
Paste the map units into the Project Mapunit table. Open the Project Mapunit table and choose "**Paste Rows/Trees, Inserting New Rows**" from the menu.



Step 4 - Populate the Project Staff:

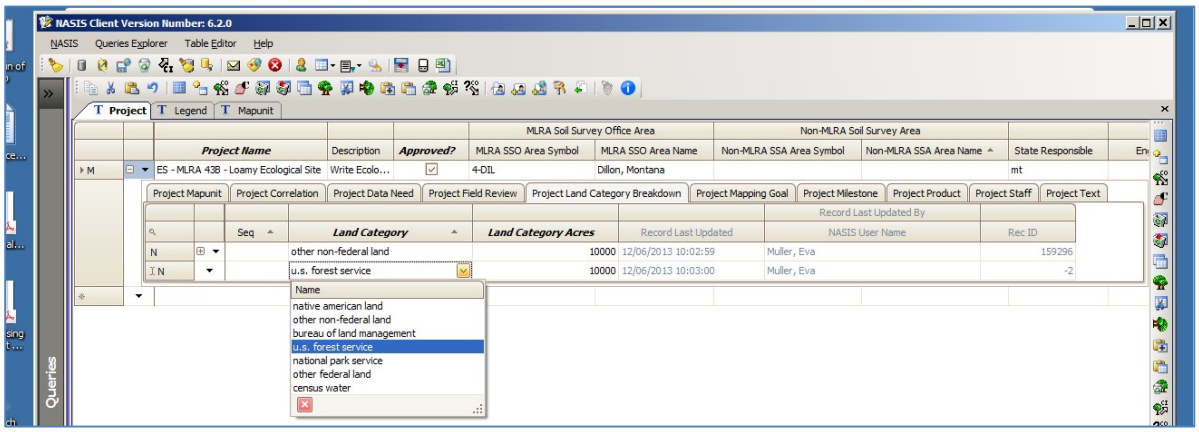
Open the **Project Staff** tab.

- Use "**Add New Row**" from the menu to populate the staff that will be involved in completing the ES project. Include all the staff whose time or resources will be required during the project including SDQS, Soil Scientists, QC staff, etc.
- Populating this table will enable staff selection in the Project Milestones table. Staff must have NASIS logins to be selected. Choose staff from Choice list.
- Select the staff member in charge of the project as the Project Leader.



Step 5 - Populate the Land Category Breakdown:

Open the **Project Land Category Breakdown** tab.
Project acres are populated using the appropriate category from the Land Category choice list. The category is dependent on the location of the specific map unit and the category in which the map unit is populated. Spatial analysis in ArcGIS may be necessary to determine the land category breakdown and to help estimate the percent of the map units affected by the project. Sum the map unit acres for each Land Category and assign the appropriate acres.

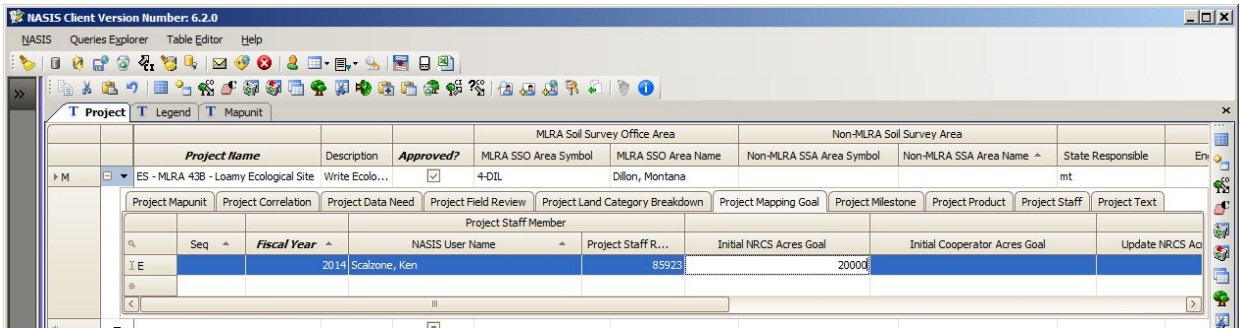


Step 6 - Populate the Project Goal:

For Initial and Existing projects, as outlined above, the Project Goal is populated with the sum of the acres of soil components correlated to the ESD in the project. In many consociation map units, especially east of the Rockies, this value can be the sum of the map unit acres.
For Provisional ES Projects, as outlined above, the map unit acres are summed, regardless of component percentage, and the goaled map unit acres assigned.

- Populate **Initial NRCS Acres Goals** for new ESDs that have not been previously correlated to components.
- Populate **Update NRCS Acres Goal** for an ESD is that is being updated.

Open the **Project Mapping Goal** tab.
Add a new row. Populate the appropriate **Fiscal Year, NASIS User Name**, and **Goal**.



Step 7 - Populate the Project Milestones

The National ES Project template includes all Milestones. If not used, then the Ecological Site development has specific milestones used to track project progress. The Project Milestone table is used to document these specific Project tasks. The sequence column can be used to assign proper sequence, however it should not be necessary.

Populate scheduled and actual dates for each milestone. The specific milestones for ES projects are a NASIS choice list and they can be referenced in the National Ecological Sites Handbook.

Projects are designed to be completed within the fiscal year; however there are instances where projects take more than 1 year to complete. For that reason, populating the dates in this table is important.

A milestone is considered complete when the "Milestone Date Completed" field is populated.

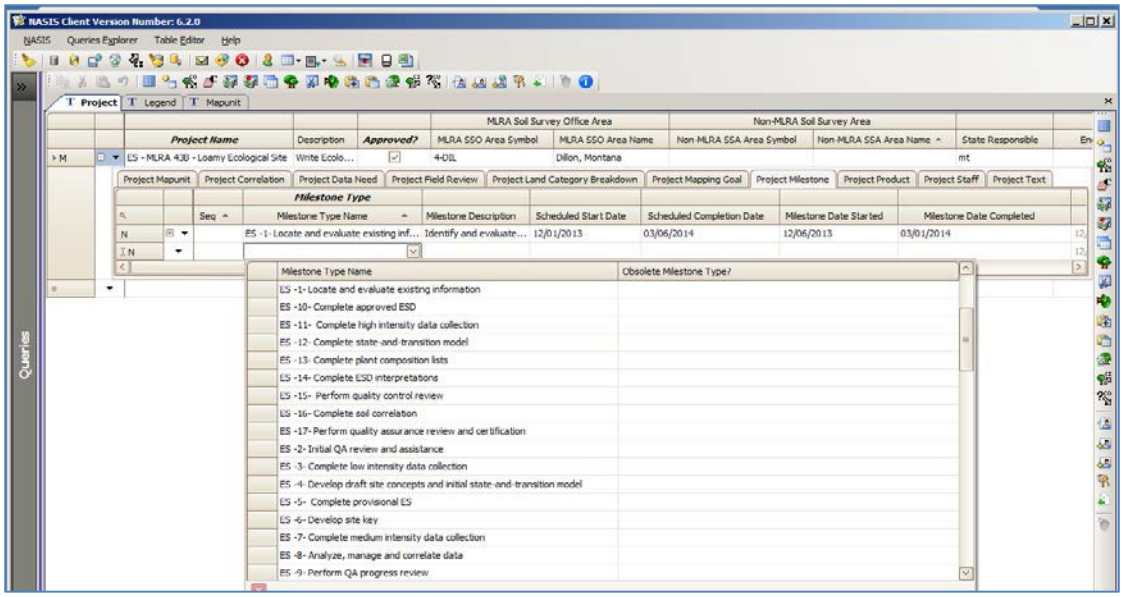
Provisional ecological site projects are reported complete when all projects within the MLRA have the "ES -5- Provisional ESs Identified" milestone "Milestone Date Completed" field dated.

Acres for an Initial or Existing ecological site project are reported when the "ES – 10 Complete approved ESD" milestone "Milestone Date Completed" field dated.

Correlated ecological site projects are reported finished when all projects in the MLRA have the "ES-17-Correlated ESDs Complete" milestone "Milestone Date Completed" field dated.

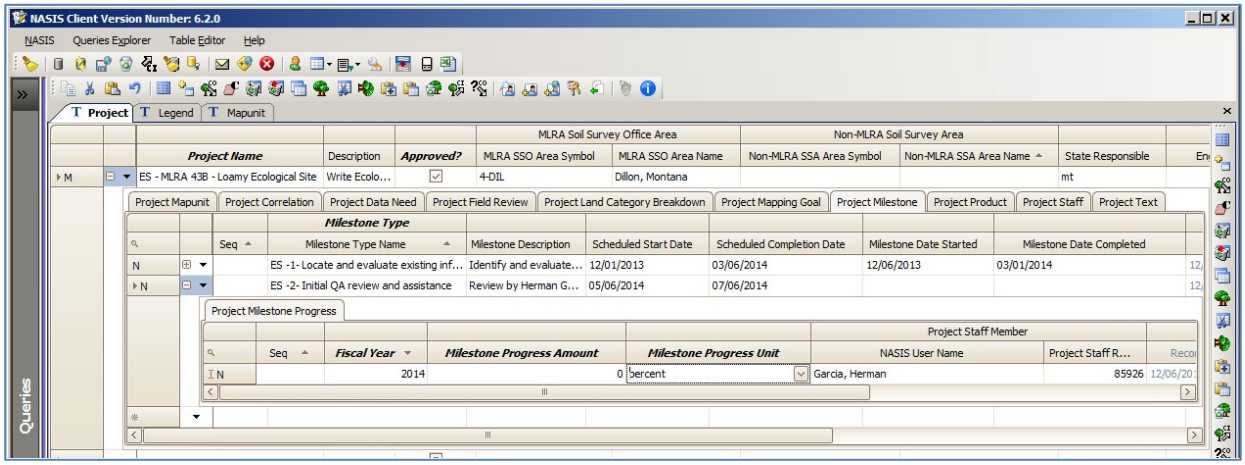
If the national template was not used, then to populate, open the **Project Milestone** tab

Populate the appropriate **Milestone Type Name**, **Milestone Description**, **Scheduled Start Date**, **Scheduled Completion Date**, **Milestone Date Started**, and **Milestone Date Completed** (when completed).



Step 8 - Populate Project Milestone Progress Table

The 'Fiscal Year', 'Milestone Progress Amount', 'Milestone Progress Unit' and 'Project Staff Member' are recorded when milestones "5", "10" and "17" are completed.



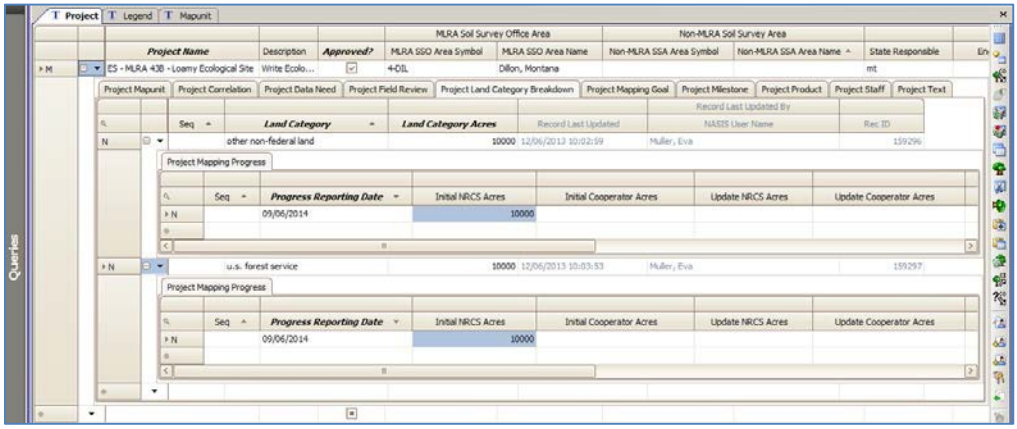
After the population of the project is complete, the project is uploaded to the national database by selecting "**Upload All Changes to National Database**". Once uploaded, the project can be "Checked In" by choosing "**Check In All**" from the menu.

Step 9 - Populate the Project Mapping Progress:

Acres are reported in the "**Project Mapping Progress**". This is a child table of the **Project Land Category Breakdown**.

Acres for Initial and Existing ES projects, 'Initial NRCS Acres' or 'Update NRCS Acres' are reported, as appropriate, after ESD milestone "ES -10- Complete Approved ESD" has been populated with a completed date.

For Provisional ES projects, this table is not populated. The "completed date" for ESD milestone "ES -5- Provisional ESs Identified" will be used to identify when all ES projects within the MLRA are completed and the portion of MLRA acres to be recorded.



Summary:

There are two current methods of ES development:

1. Ongoing ES projects in initial soil surveys
2. MLRA Provisional ES projects using new or existing vegetative grouping information

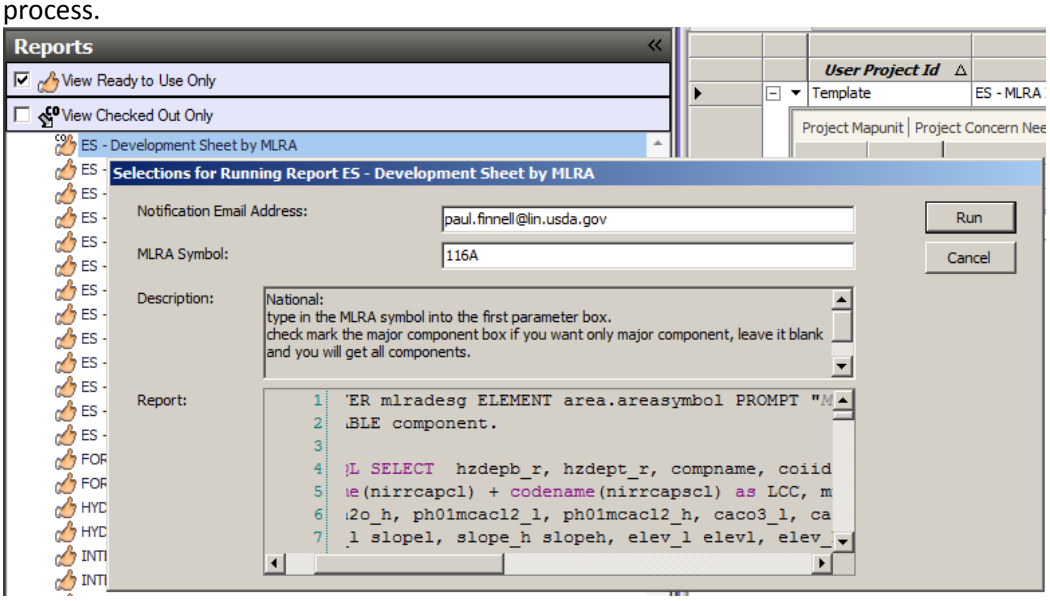
No changes are being made to the development and management of Initial projects.
The Provisional ES projects will:

1. Develop the Site Key for the MLRA
2. Populate ESIS with the proposed ES Identification number and name
3. Using the site key, populate NASIS projects with proposed MLRA ES projects
4. Link each NASIS ES project to the ESIS proposed ES ID and Name
5. Populate the NASIS Project Mapunit table for those map units in which the named components are associated with the proposed ES.
6. The summed map unit acres will be assigned to the appropriate land category breakdown acres and the goaled acres
7. All ES projects within the entire MLRA will be brought to milestone "ES -5- Provisional ESs Identified" standards, and Date Competed is populated, prior to reporting acres.
8. After all ES provisional projects are reported, then individual ES projects will continue to progress to "ES-10- Approved ESD Complete" status. During this phase of the ES development, components are linked to the appropriate ES ID and Name
9. MLRA Correlation can begin on individual ES projects after the Date Completed has been populated for the "ES-10-Approved ESD Complete" milestone. However, acres will not be reported for individual projects that reach Correlated status. Instead, acres will be reported when the "ES-17-Correlated ESD Complete" milestone is dated for all ESDs within the MLRA.

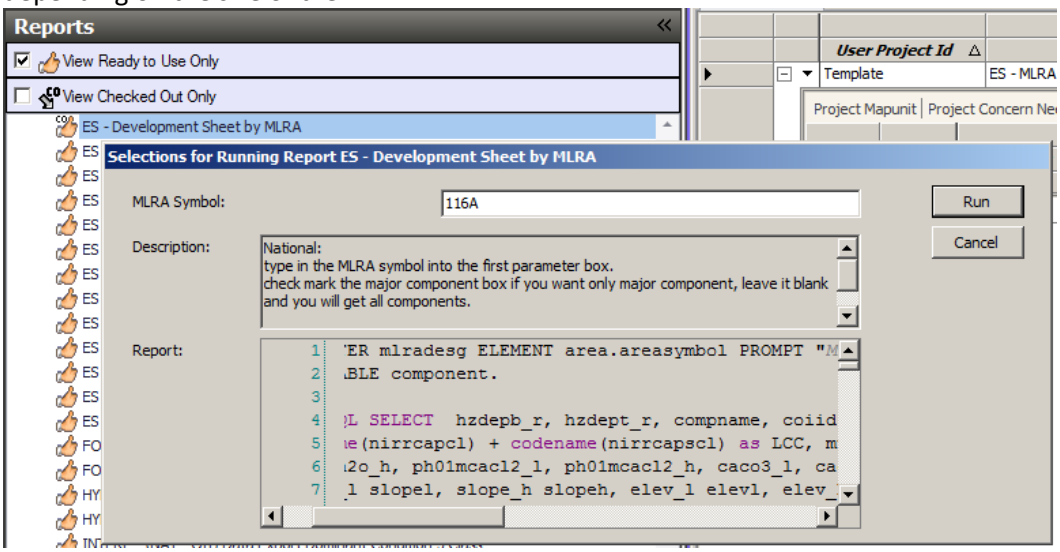
APPENDIX A: "Additional NASIS tools"

Extracting NASIS data for the MLRA Site Key Soil Sort

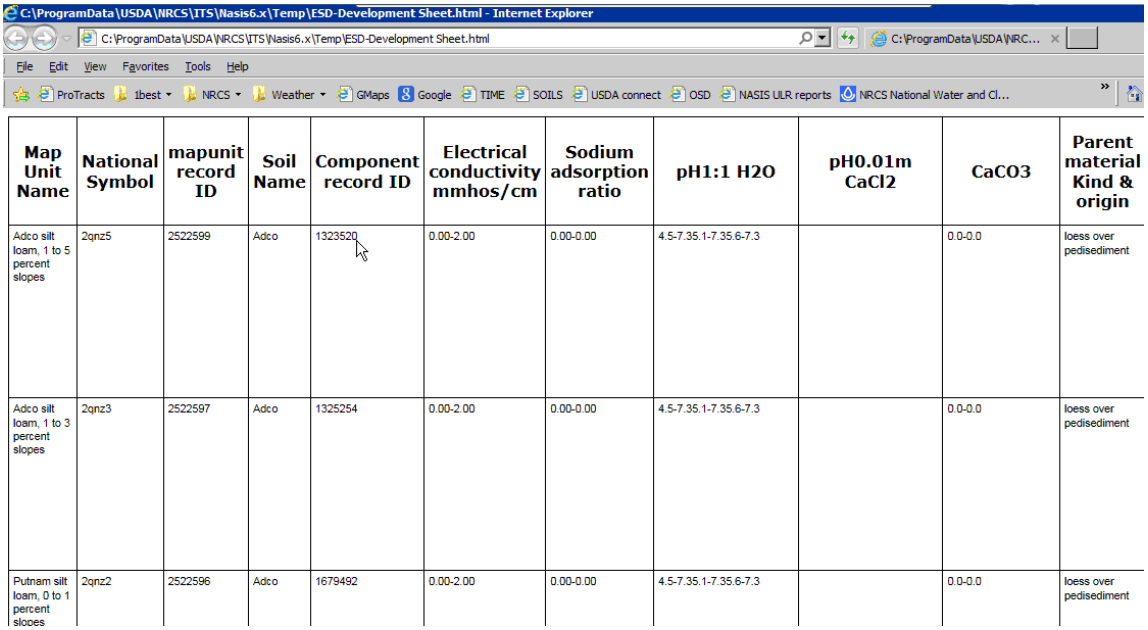
IN NASIS: The **ES-Development Sheet by MLRA** is run against the National Database to create a spreadsheet with a summary of soils data to be copied into an excel spreadsheet for analysis. The parameter box should be populated with the MLRA/LRU to select all map units in the selected set. It has all the soil comp names and the MUSYM and record IDs that's needed to run the spreadsheet upload process.



The report should be run either National (Below) or (Above) Offline against the national database depending on the size of the MLRA.



The results will appear in the browser.

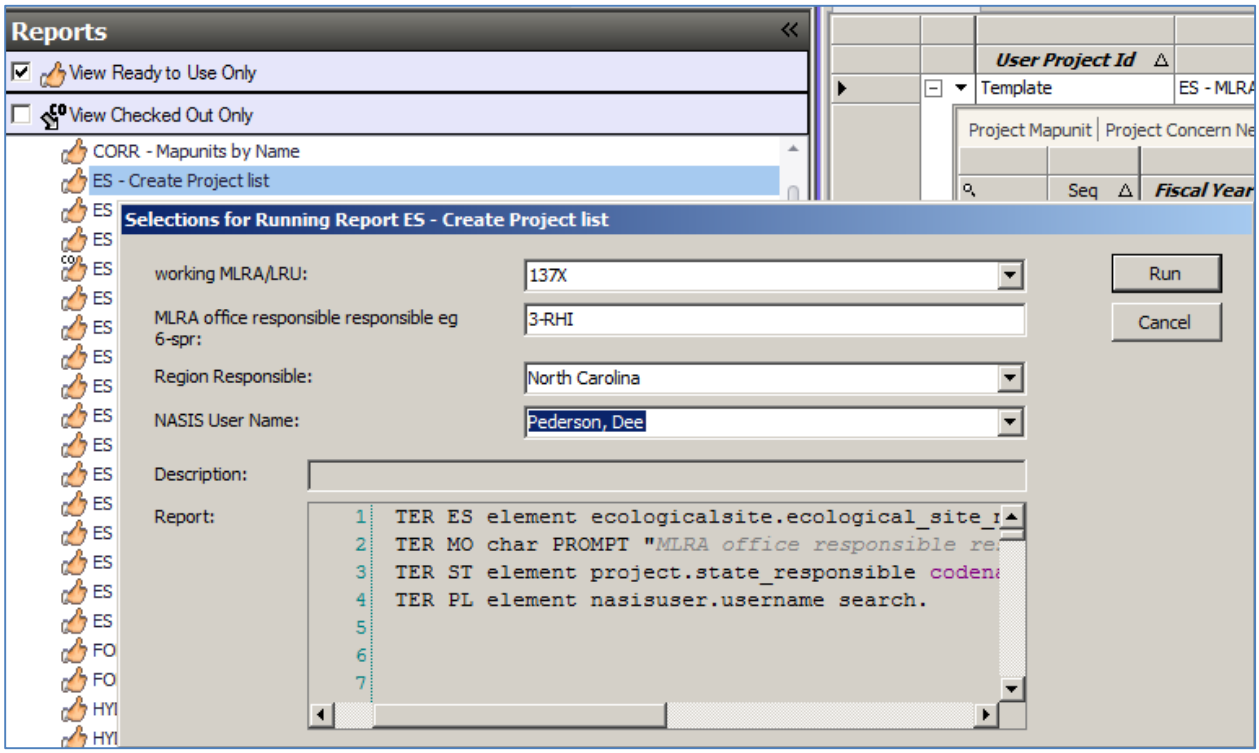


Map Unit Name	National Symbol	mapunit record ID	Soil Name	Component record ID	Electrical conductivity mmhos/cm	Sodium adsorption ratio	pH1:1 H2O	pH0.01m CaCl2	CaCO3	Parent material Kind & origin
Adco silt loam, 1 to 5 percent slopes	2qnz5	2522599	Adco	1323520	0.00-2.00	0.00-0.00	4.5-7.35.1-7.35.6-7.3		0.0-0.0	loess over pedisediment
Adco silt loam, 1 to 3 percent slopes	2qnz3	2522597	Adco	1325254	0.00-2.00	0.00-0.00	4.5-7.35.1-7.35.6-7.3		0.0-0.0	loess over pedisediment
Putnam silt loam, 0 to 1 percent slopes	2qnz2	2522596	Adco	1679492	0.00-2.00	0.00-0.00	4.5-7.35.1-7.35.6-7.3		0.0-0.0	loess over pedisediment

Click in the explorer window and click on Ctrl-A to select all the Copy the report with ctrl-C and paste ctrl-V into an excel spreadsheet. This report can now be used to filter and sort the soils for development of the MLRA ES legend.

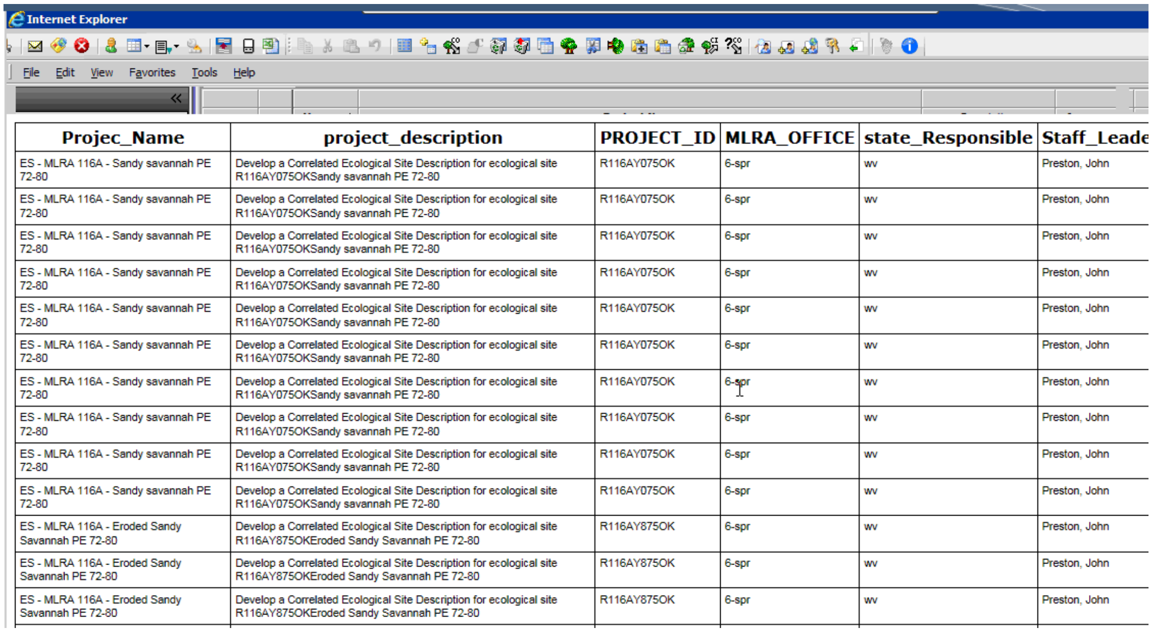
Create new ES projects using a report

The 'ES – Create Project List' report can be used to help create the ES projects for the MLRA.



The first parameter box selects the MLRA/LRU from domain list.
The second parameter box type in the office responsible, it must be a valid area office or the spreadsheet upload will fail.
The third box select the Region host state responsible.
The fourth box selects the project leader for the project.

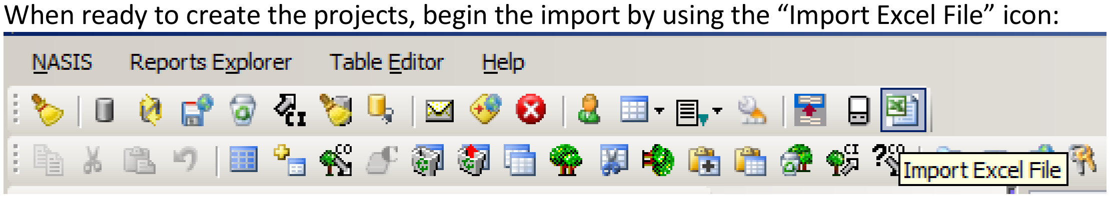
This report will generate a list of projects similar to the one below:



Projec_Name	project_description	PROJECT_ID	MLRA_OFFICE	state_Responsible	Staff_Leade
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Sandy savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY075OKSandy savannah PE 72-80	R116AY075OK	6-spr	wv	Preston, John
ES - MLRA 116A - Eroded Sandy Savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY875OKEroded Sandy Savannah PE 72-80	R116AY875OK	6-spr	wv	Preston, John
ES - MLRA 116A - Eroded Sandy Savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY875OKEroded Sandy Savannah PE 72-80	R116AY875OK	6-spr	wv	Preston, John
ES - MLRA 116A - Eroded Sandy Savannah PE 72-80	Develop a Correlated Ecological Site Description for ecological site R116AY875OKEroded Sandy Savannah PE 72-80	R116AY875OK	6-spr	wv	Preston, John

Click in the explore window and click on Ctrl-A to select all, then Copy with ctrl-C and paste ctrl-V (or choose option “match destination formatting”, do NOT paste the HTML formatting) this list into spreadsheet **ES-Create Project list** at line 3A. <u>Do NOT use a blank workbook</u>. **Use the excel template explained in these instructions**, otherwise the NASIS upload may not recognize the workbook. Properly format and name the tabs/columns, review the list of projects and then save the spreadsheet where it can be easily located.

When ready to create the projects, begin the import by using the “Import Excel File” icon:



This process will create up to and 200 projects at a time and each one will have an “N” for “new” on left side column in NASIS.
Warning: remember, this process will not allow adding projects that are not uniquely named. And, this process does not populate the map units.

If a validation error occurs, it is because the names in the list are not unique. Either:

1. Delete all the rows that are not unique
2. Or add a number to the end of the project name in the spreadsheet to make the name unique.

Populating the project map unit table

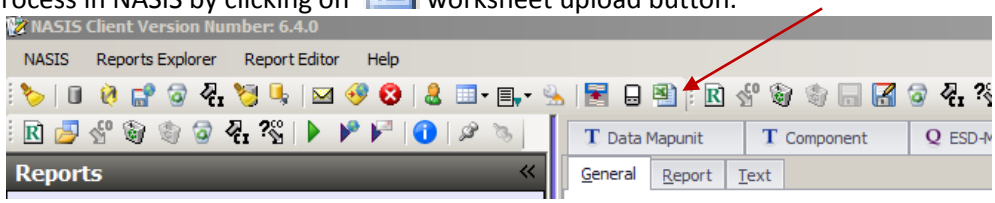
Using the ES Load Map Units Spreadsheet/Soil Sort to link the map units to projects

The map units for an ESD need to be linked to the **ES** projects. This can be accomplished with a worksheet upload process.

- All projects that are in the spreadsheet have to be checked out and in the selected set.
- The ecological site id needs to be in the Uprojectid column.
- Copy and paste the national symbol and ecositeid into the worksheet **"ES_Load_Mapunits"** with the National symbol in column A and ECOSITEID in column B.
- This process will populate the MUIID in the project map unit table for projects that have the ECOSITE ID in the Uprojectid column.
- If it can't find the Ecosite in the uprojectid column, it will kick out a status report that says "can't find..."
- This spreadsheet must be used, the column heading must start on line 3 and the data must start on line 4 example below.
- All columns other than A and B are ignored
-

	A	B
1	ESMapunits	1.0
2		
3	NATSYMBOL	ECOSITEID
4	lpw7	F120AY006KY
5	72cz	F120AY006KY
6	kz7s	F120AY006KY
7	5l0m	F120AY006KY

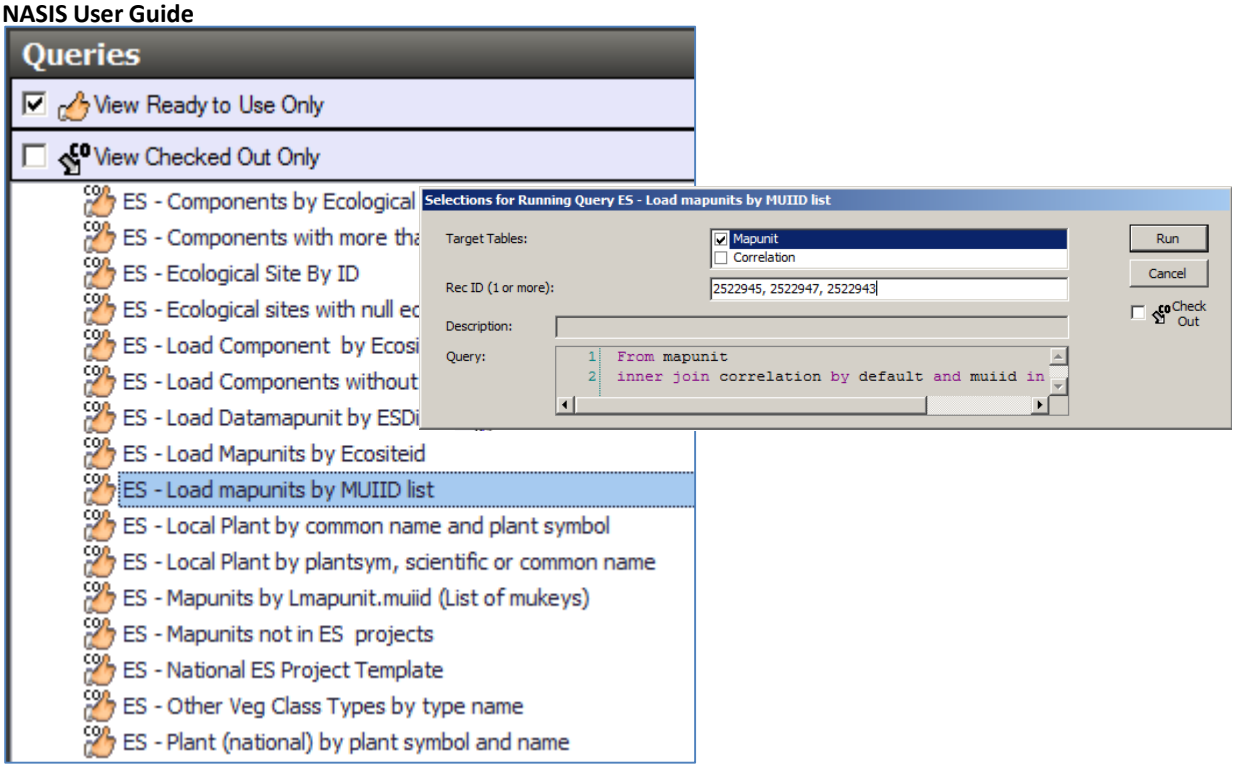
- Start the process in NASIS by clicking on  worksheet upload button.



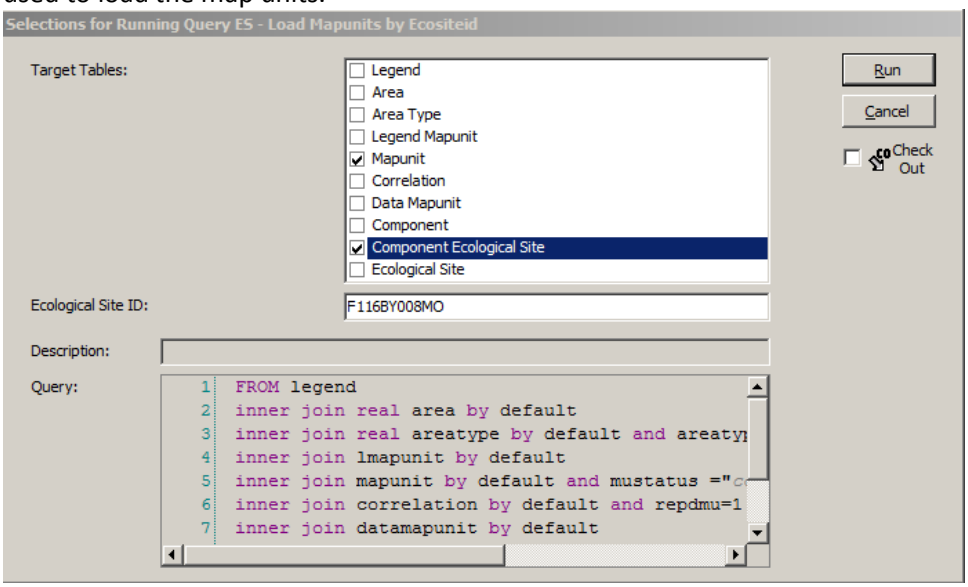
If the upload process tries to populate a map unit that already exists that is the same, it will just skip it. If it's different, it will append the new MUIID to the table. Use the query (**ES - Mapunits not in ES projects)** to load all map units that are not in an **ES** project.

Warning: IF SDJR has created new record IDs, make sure to update the spreadsheet!

If the spreadsheet is populated, it can be sorted to identify the 'mukeys' linked to each project and the "ES – Load mapunit by MUIID list can be used to load the specific map units.



If the components are populated with an ECOSITE ID, the query "ES - Load Mapunits by Ecositeid" can be used to load the map units.



First, remember to clear the selected set
Run the appropriate query, with appropriate target table, populate the parameter box and Run.

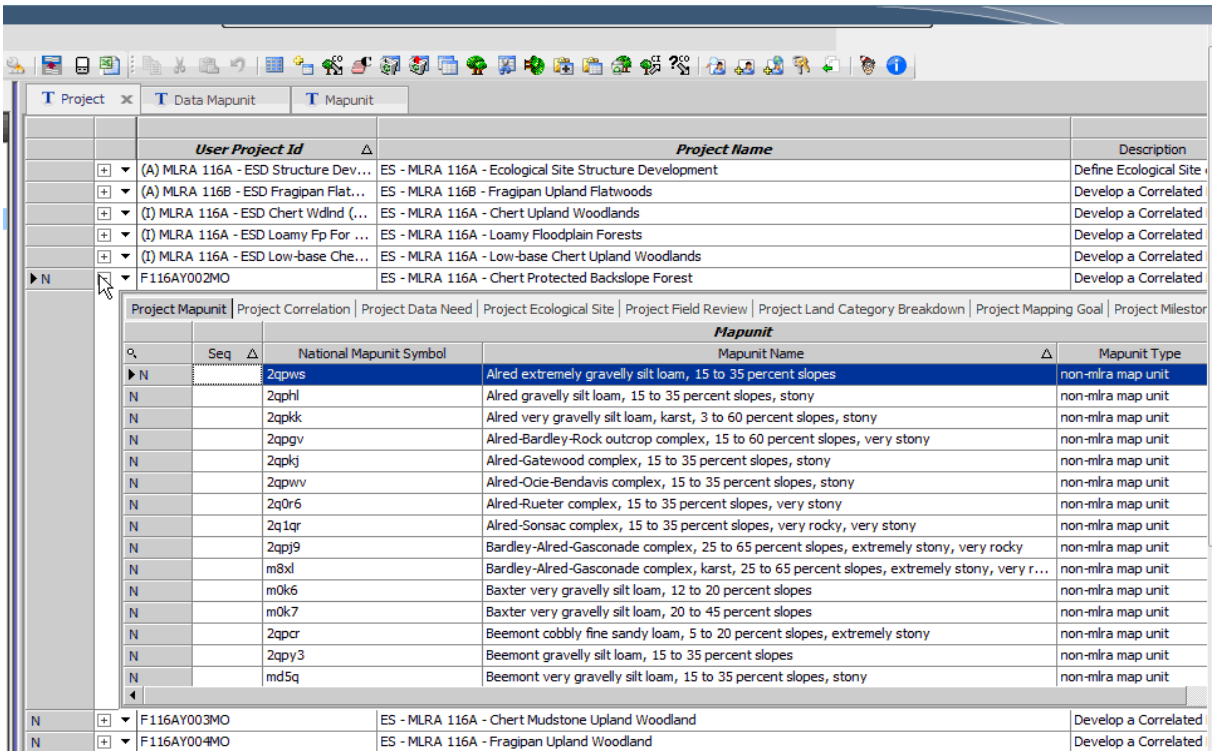
These queries will load all map units in the parameter box or those map units in which the major component is linked to the ECOSITE ID placed in the parameter box.

Open the Mapunit table, select all rows using either the button  or Ctrl-A

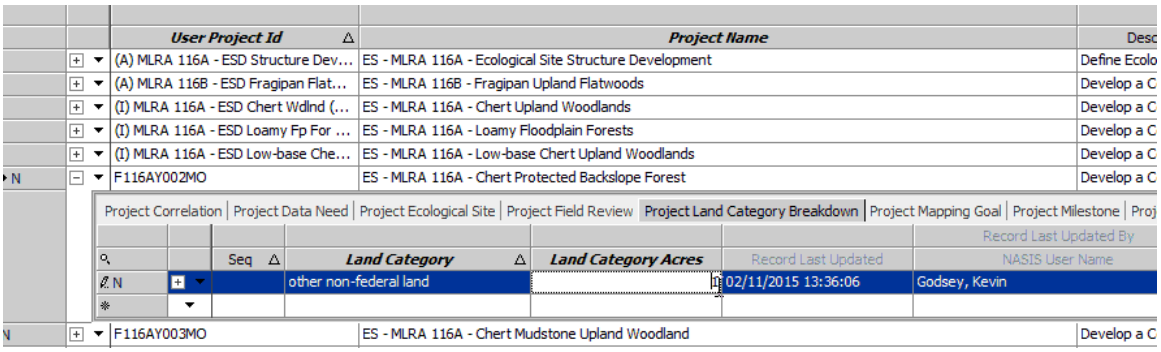
Copy the rows 

Change to the Project Mapunit table and paste the rows with  .

Once all the projects are created, it is recommend running the query **ES-Mapunits not in ES projects** to look for all map units that are not in any of the projects, then decide which project the specific map unit should appear.



After all the map units are assigned to a project, Open the Project Mapping Goal table.
Add a new line with the  , Type in the fiscal year and select a staff member.



User Project Id	Project Name	Desc
(A) MLRA 116A - ESD Structure Dev...	ES - MLRA 116A - Ecological Site Structure Development	Define Ecolo
(A) MLRA 116B - ESD Fragipan Flat...	ES - MLRA 116B - Fragipan Upland Flatwoods	Develop a C
(I) MLRA 116A - ESD Chert Wdlnd (...	ES - MLRA 116A - Chert Upland Woodlands	Develop a C
(I) MLRA 116A - ESD Loamy Fp For ...	ES - MLRA 116A - Loamy Floodplain Forests	Develop a C
(I) MLRA 116A - ESD Low-base Che...	ES - MLRA 116A - Low-base Chert Upland Woodlands	Develop a C
F116AY002MO	ES - MLRA 116A - Chert Protected Backslope Forest	Develop a C

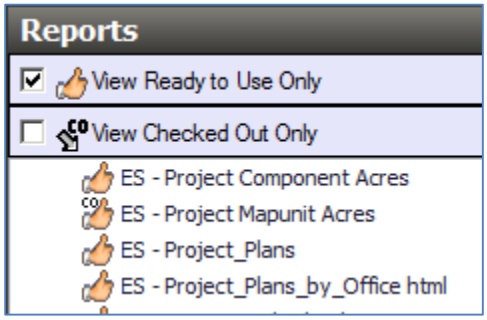
Project Correlation | Project Data Need | Project Ecological Site | Project Field Review | Project Land Category Breakdown | Project Mapping Goal | Project Milestone | Proj

Seq	Land Category	Land Category Acres	Record Last Updated	Record Last Updated By: NASIS User Name
N	other non-federal land		02/11/2015 13:36:06	Godsey, Kevin

F116AY003MO	ES - MLRA 116A - Chert Mudstone Upland Woodland	Develop a C

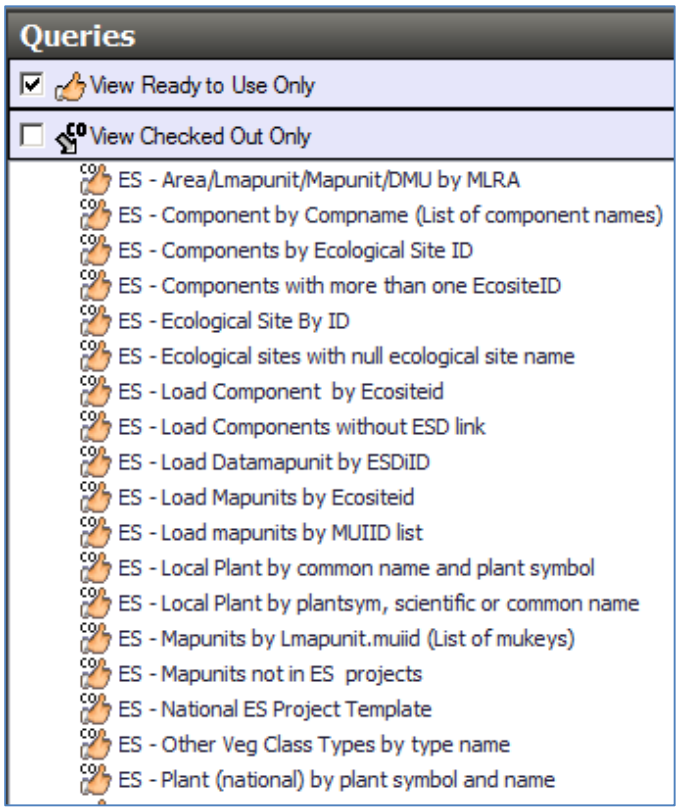
The land category acres are the sum of the map unit acres associated with the Project. If all the Legends and map units are in the local database, then the field can be calculated and adjusted.

Reports are available to calculate acres by component, if the coecosite is populated, or by map unit:



The reports calculate a running total and the values are used to populate the value in the Land Category Acres and the Mapping Goal acres. For non-federal acres, if the project is in multiple land category areas the total acres will have to be divided into the appropriate categories.

Queries, Reports, Worksheet Uploads and Calculation



Query:

All queries and reports are in the NASIS "Pangea" folder.

ES-Load Mapunits by Ecositeid

Copy the ECOSITE ID into the parameter box and all map units that have a component with that ECOSITE ID will be loaded into the map unit table. This list can then be copied and pasted into the project map unit table.

ES-Load Mapunits by MUIID list

This query will load all map units from a list of comma separated muiids.

ES-Load Component by Ecositeid

The query can be used to load only components into the selected set with the ECOSITE ID that is put into the parameter box.

ES-Mapunits not in ES projects

This query will load all map units that are not in an ES project.

ES-Load Components without ESD link

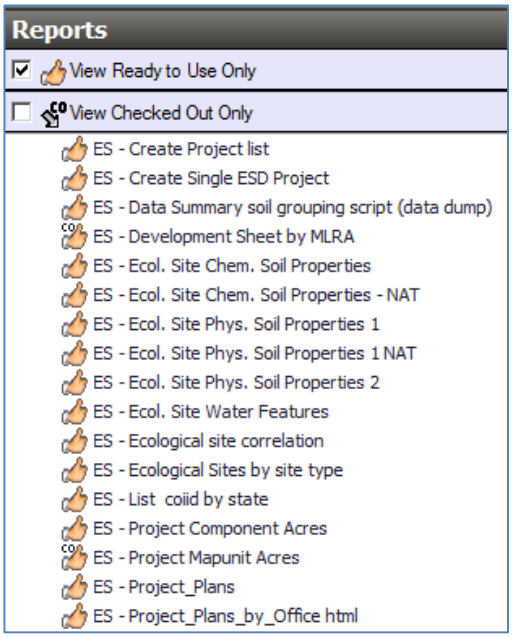
This query will load all major components that do not have an ES link.

ES-DMU by COIID list

This query will load all components by a comma separated list.

ES-Components with more than one EcositeID

This query will load all components that have more than one ECOSITE ID.



Reports:

ES-Development Sheet

This report will produce a summary sheet of soil properties for all major components within an area. When ECOSITE ID is populated and accepted by the state soil scientist it can be copied into the template to link all components with an ECOSITE ID.

ES-List COIID by state

This report will create a table with component record IDs that can be joined to excel spreadsheets with ESD site ids that do not have a COIID column.

This joined table can be pasted into Populate ESD template (see below).

Make sure that the COIID is in column A and the ECOSITE ID is in Column B, all other columns are ignored.

ESD-Create Project list

This report has four parameters: select the MLRA in box 1, this field is in the ecological site table; type in the MLRA

office responsible in box 2 (must be exact or the upload will not validate), select the state responsible in box 3; and the person who is project leader in the fourth box.
This generates a list of all the ESD site ID for that MLRA

1. Copy the table (Ctrl-C) and paste (Ctrl-V) into the ESD Project worksheet (make sure the cursor is in cell 3A
2. Save file
3. In NASIS use the excel upload tool to start the upload process (See below for details of upload process).

ES - Create Single ESD Project

This report has four parameters: select the ECOSITE ID in box 1; type in the MLRA office responsible in box 2, select the state responsible in box 3; and the person who is project leader in the fourth box.
This generates one line in an html window.

1. Copy the table (Ctrl-C) and paste (Ctrl-V) into the ESD Project worksheet (make sure the cursor is in cell 3A
2. Save file
3. In NASIS use the excel upload tool to start the upload process (See below for details of upload process).

Worksheet templates

ESD Projects

This sheet populates the PROJECTUSERID with the ecological site id; the generated project name that is a concatenation of the MLRA /primary name/ secondary name in the ecological site table; the project description; the state responsible from the populated parameter box; the MLRA office from the populated parameter box. This can create up to 200 projects at a time.
It populates the project staff leader from the populated parameter box and marks the project leader radio button.
It populates the project ecological site table with the ecological site id.
It populates the project land category breakdown with other non-federal land and one acre. This field can be corrected with a calculation.

Populate ESD

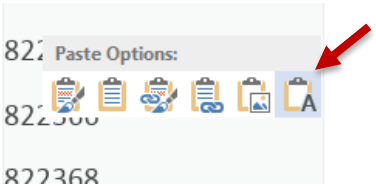
This sheet compares the COIID in column A from the excel spreadsheet with the COIID in NASIS and then populates the component ECOSITE ID with column B. This worksheet can populated up to 2000 records at a time.

How to Create a Comma Separated List

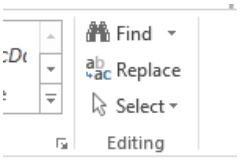
In excel, highlight the COKEY or MUKEY column and copy list with ctlr-C.

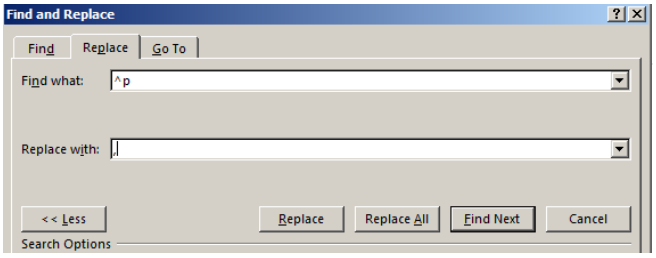
	A	B
1	ESDLoad	1.0
2		
3	COKEY	ESIS-ID (MO)
4	2136158	F116AY034MO
5	2136161	F116AY034MO
6	2111959	F116AY004MO
7	823217	F116AY049MO
8	823217	F116AY013MO
9	1236044	F116AY042MO
10	1236044	F116AY042MO
11	823218	F116AY042MO
12	823218	F116AY042MO
13	823225	F116AY034MO
14	823227	F116AY034MO
15	2247359	F116AY012MO

Open a blank word document and paste the list in using the text only button.



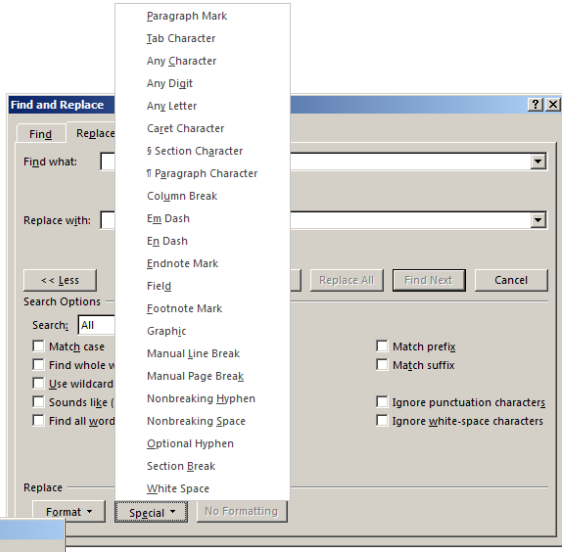
Click on the replace button.



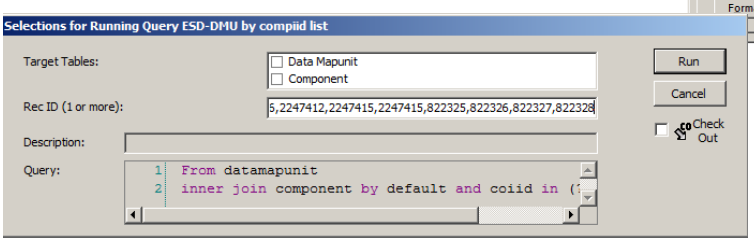


In the first parameter box (Find what), click on **"special"** and then Paragraph Mark (top of list).
In the second parameter box (Replace with) place a comma.
Then click on replace all.

This will create a comma separated list that can be copied and pasted into the NASIS query "**ES-DMU by compiid list" or "ES-Load mapunits by MUIID list"**

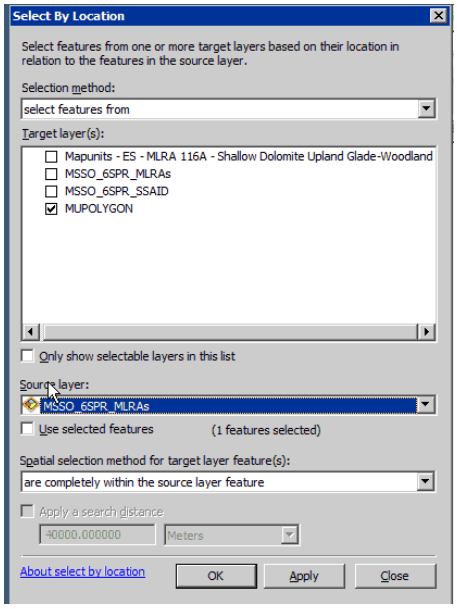


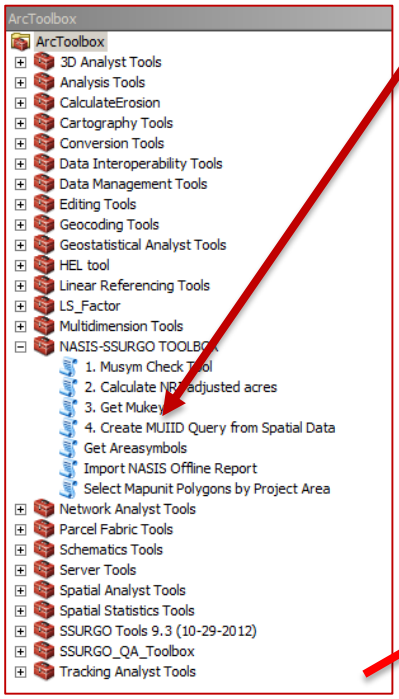
Make sure that the last comma is not copied into the parameter box.



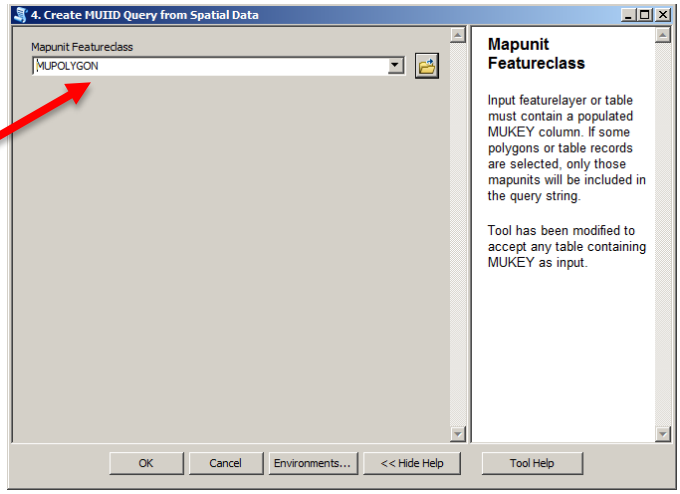
How to Create a Query by Intersecting the MLRA Boundary File with the MUPOLYGON File

Use the standard selection process in ARC MAP to do a “select by location”.
The MUPOLYGON layer can be intersected with a MLRA layer boundary file to select all map units that fall within the MLRA.



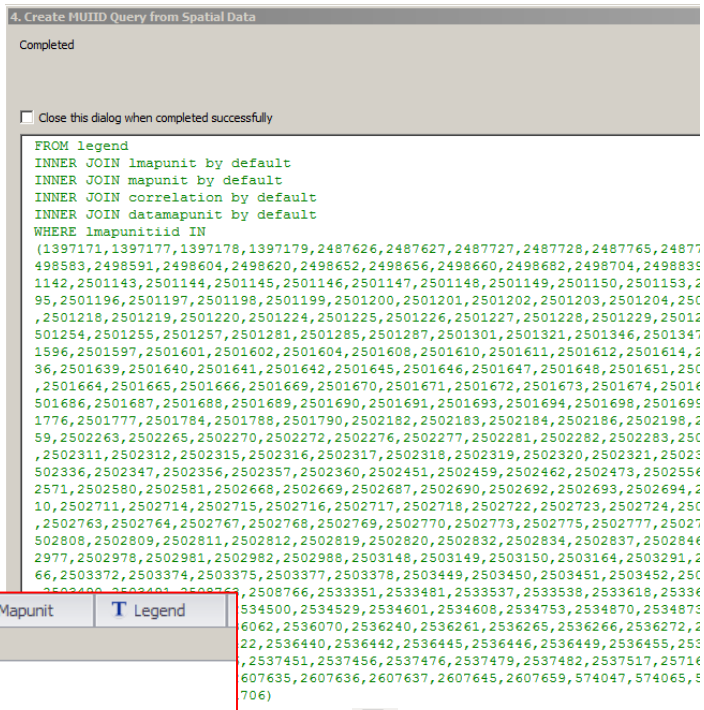


Then use tool **4. Create MUIID Query from Spatial Data**.
This tool will write the query for the selected map units.

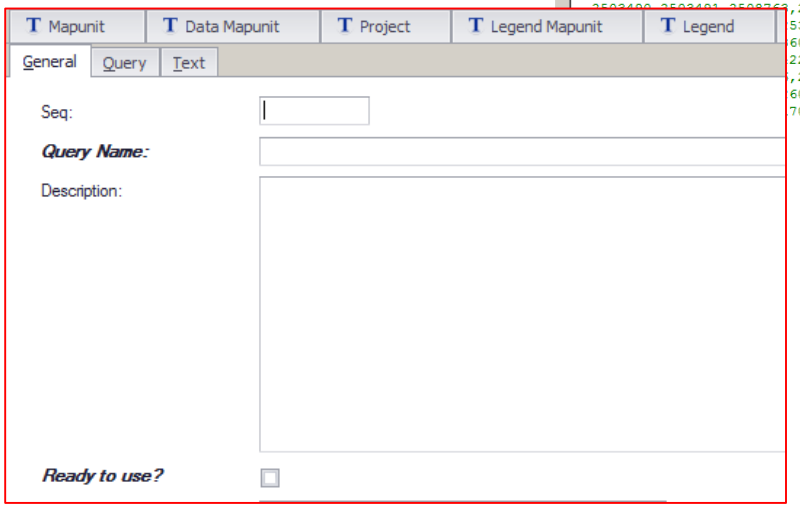


Select the latest MUPOLYGON layer with the most recent MUKEYS in the parameter box.

Once the tool has run highlight the green text starting at “from” all the way to the last parentheses in the text output window, copy that list (Ctrl-C).



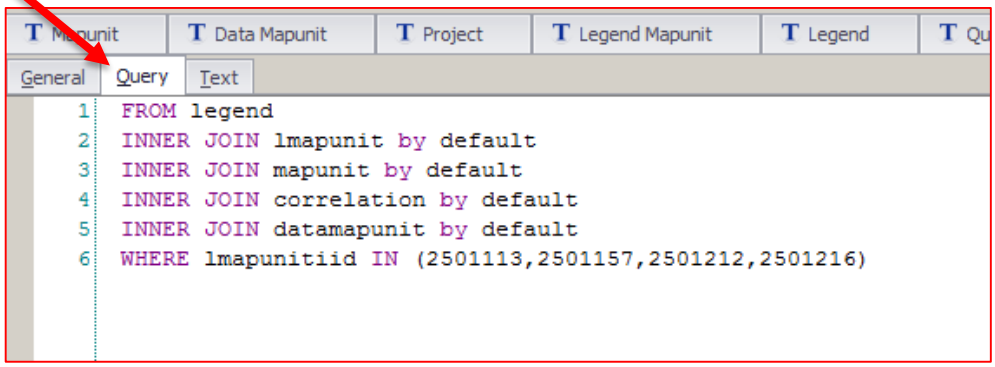
IN NASIS, open up a new query, with the



button  .
Type in a name like “MLRA 109 load” to reload the data at a later date.

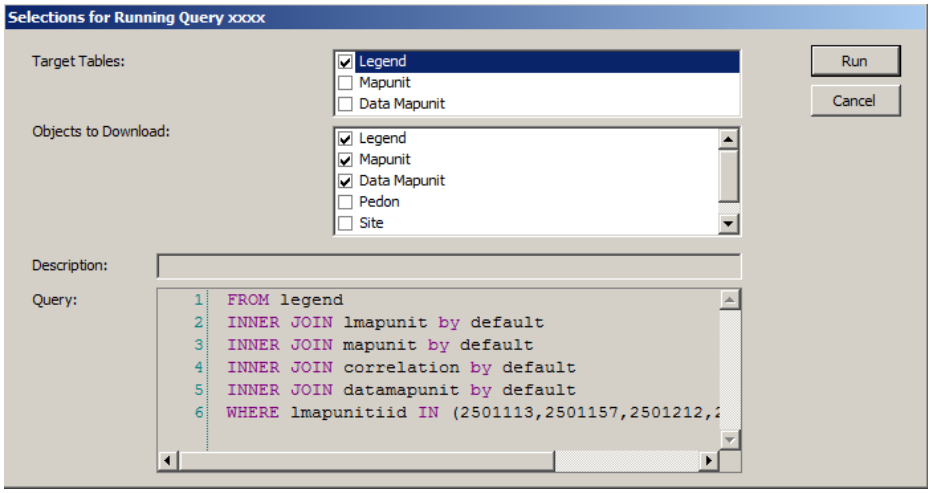
Click on the Query tab to open the editor window.

right click and paste in the editor window and or paste with Ctrl-v to add the text.

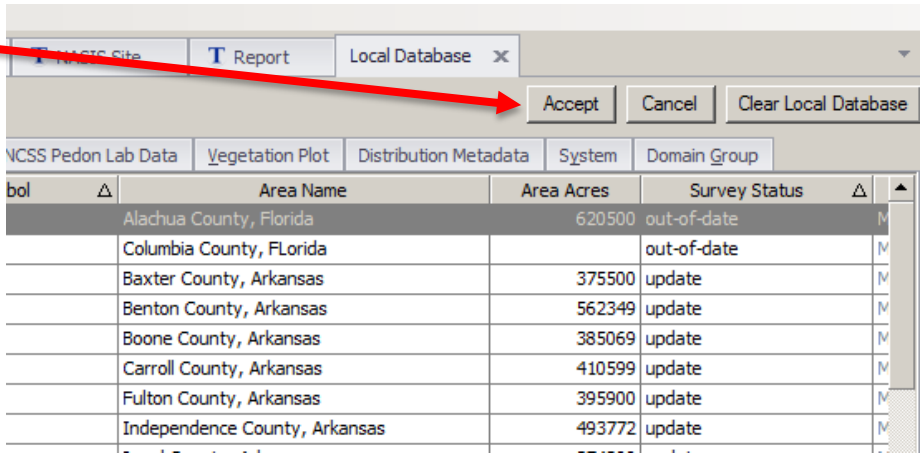


Run the query nationally with the blue run button  .

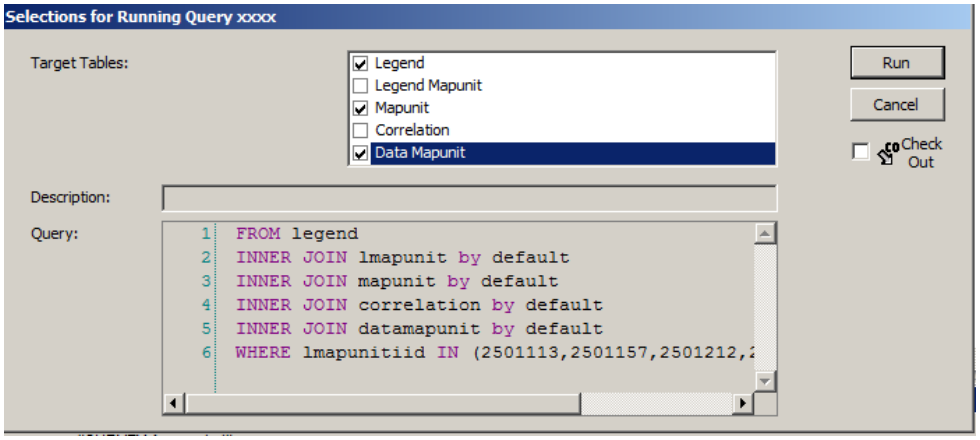
Select legend in the first box and legend, mapunit and data mapunit in the second box.



Be sure to download and accept all the data.



Now run the query locally, selecting all tables need legend, mapunit and datamapunit. Click on the run button.

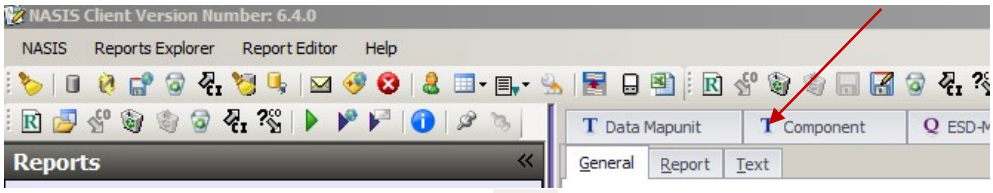


This will load all map units and data map units into the selected set. The report **ES-Development Sheet** is run to create a summary sheet of the data.

Using the ES Legend/Spreadsheet/Soil Sort to link the Ecological Site to Components

In a few instances, there will be sufficient data to support linking Components to Ecological Sites. Normally this is completed after a Project has the milestone "ES -5- Provisional ESs Identified" complete and dated and work is advancing toward milestone "ES-10- Approved ESD Complete". The same spreadsheet used for ES QA for review and state concurrence can be used to make the link.

- Select all components with the original query used to create the ESD summary sheet or create specific query based on the spreadsheet using the direction included earlier in this document.
    - Use the query **(load DMU by COIID list).** Run it for data map unit and past in COIID list and run.
    - Click on the checkout button for editing
- All the records should be available in the data mapunit table
    - Every component in the spreadsheet list has to be checked out for this process to work.
    - If just one of the components is locked or protected this process will not work.
- Start with the saved **"Populate ESD"** spreadsheet with the COIID in column A and ECOSITE ID in column B.
- This process will populate the component ECOSITE ID with that value corresponding to the COIID.
- If it can't find it, it will kick out a status report that says "can't find..."
- This spreadsheet must be used, the column heading must start on line 3 and the data must start on line 4.
- All columns other than A and B are ignored



- Start the process in NASIS by clicking on  worksheet upload button.

If the upload process tries to populate an ECOSITE that already exists that is the same, it will just skip it. If it's different, it will append the new one to the table. Use the query (**ES-Components with more than one EcositeID)** to load all components with more than one ECOSITE.

The last check is a query that will load components without an ESD link (**ES-Load Components without ESD link)** to make sure that all the components that got loaded actually got linked to an ESIS ID.

Warning: IF SDJR has created new record IDs, make sure to update the spreadsheet!