

Part 608 – Program Management

Subpart B – Exhibits

608.10 Long-Range Plan for Initial Soil Surveys

United States Department of Agriculture - Natural Resources Conservation Service	
_____ County, _____	
Date _____	Project staff _____

Narrative of Plan Items	FY-	FY-	FY-	FY-	FY-
1. Memo of understanding (optional with MLRA regionwide MOU on file)					
a. Meet with locals _____					
b. Prepare draft MOU _____					
c. Obtain review _____					
d. Obtain signatures _____					
2. Collection of references					
a. Geology _____					
b. Water resources _____					
c. Statistical reports _____					
1. Farm _____					
2. NRI _____					
3. SWCD _____					
4. Climate _____					
5. Other _____					
d. County roads _____					
e. Adjoining soil survey data _____					
f. Topo quad sheets, DEMs _____					
3. Preparation of field sheets (if used)					
a. Edging _____					
b. Identification _____					
c. Advance copy identification _____					
d. Acreage determination _____					
e. Other _____					
4. Preliminary field studies					

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a.	Perform area reconnaissance					
b.	Develop landform map					
c.	Field test STATSGO2 for GSM use					
d.	Test map areas					
e.	Correlate studies and field observations					
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5.	Preparation of descriptive legend (ensuring NASIS is populated)					
a.	Taxonomic descriptions					
b.	Map unit descriptions					
c.	Features and symbols legend					
d.	Identification legend					
e.	Classification of soils					
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6.	Documentation and supporting data					
a.	Transect studies					
b.	Field notes					
c.	Identification of problem areas					
d.	Field descriptions					
e.	Pedon program					
f.	Transect program					
g.	Soil-ecosite correlation					
h.	Soil-landscape models					
i.	Other					
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7.	Special studies					
a.	Crop yields					
b.	Forestland sites					
c.	Geomorphology					
d.	Characterization					
e.	Surficial geology					
f.	Other					
<hr/>						
8.	Field mapping					
a.	Joining					
b.	Acreage goals					
c.	Sheet compilation (if needed)					
d.	Digitize					
e.	SSURGO AMLs					
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9.	Sampling and lab data					
a.	Sampling for NSSC-KSSL					
b.	Sampling for university					

c. Sampling for highway dep. _____					
10. QA reviews & field visit assistance					
a. Pre-initial review _____					
b. Initial review _____					
c. Progress reviews _____					
d. Final review _____					
e. Preliminary correlation _____					
f. Final correlation _____					
g. Field assistance visit _____					
11. General soil map (STATSGO2) (revision and update) _____					
a. Adjust delineation of units _____					
b. Develop legend _____					
c. Describe units _____					
d. Develop diagrams _____					
12. Development of survey area soil handbook					
a. Introduction to area _____					
b. General nature _____					
c. Crops and pasture _____					
d. Forestland and windbreaks _____					
e. Rangeland _____					
f. Engineering _____					
g. Recreation _____					
h. Wildlife _____					
i. Factors of soil formation _____					
j. Classification of soils _____					
13. Interpretation tables					
a. Prepare & update data elements _____					
b. Generate tables for review _____					
c. Review tables with technical specialists _____					
14. Manuscript photos					
a. Select sites _____					
b. Review photos with editors _____					
c. Select final photos _____					
15. Preparation of soil survey manuscript					
a. Select from survey area soil _____					

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handbook or generate from NASIS _____					
b. Obtain technical review _____					
c. Obtain English edit _____					

608.11 Annual Plan of Operations for Initial Soil Surveys

United States Department of Agriculture - Natural Resources Conservation Service							
_____ County, _____							
Date _____ Project staff _____							

Narrative of Plan Items	Respon- sibility Total of	Number/ Amount	Hours Per Quarter				FY
			1	2	3	4	
Section A: Long-Range Plan of Operations							
1. Memo of understanding (optional)							
a. Meet with locals _____							
b. Review specifications _____							
c. _____							
d. _____							
2. Collection of references							
a. Geology reports _____							
b. Flood data _____							
c. Local history _____							
d. County road maps _____							
e. Land use _____							
f. Water quality info _____							
3. Preparation of field sheets (if used)							
a. Edging _____							
b. Identification _____							
c. Advance copy identification _____							
d. Designation of acreage _____							
4. Preliminary field studies							
a. Develop landforms map _____							
b. Draft initial STATSGO2 update _____							
c. Test map areas _____							
5. Descriptive legend (completion of data in NASIS)							
a. Prepare taxonomic							

unit descriptions _____							
b. Prepare map unit descriptions _____							
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6. Documentation and supporting data							
a. Record transects _____							
b. Collect yield data _____							
c. Make forest transects _____							
d. Describe pedons _____							
e. Analyze transect data _____							
<hr/>							
7. Field mapping							
a. Acreage goal by individual _____							
<hr/>							
8. Field reviews							
a. Pre-initial review _____							
b. Progress review _____							
<hr/>							
Section B: Soil Management and Interpretation Support Services							
a. Onsite investigations _____							
b. FOTG _____							
c. Special evaluation _____							
<hr/>							
Section C: Information Activities							
a. Talk to service club _____							
b. Prepare news article _____							
c. Report to cooperators _____							
<hr/>							
Section D: Leave and Holidays							
a. Annual leave _____							
b. Sick leave _____							
c. Holidays _____							
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608.12 Goal and Progress Guidelines

This exhibit provides additional guidance for administering data in NASIS related to goals and progress reporting. It is primarily intended for Soil Survey Program managers and data stewards. It is divided into four major Soil Survey Program business areas for ease of reference. Data elements relevant to the business areas are listed and discussed. Also refer to section 608.13 for a quick-reference companion that provides a snapshot of business area responsibilities for NRCS offices. The four business areas are: (1) project administration and acreage management; (2) mapping goals and progress; (3) imagery, orthophotography, map compilation materials, and other data layers; and (4) initial and update survey operations. Definitions of data elements are in NASIS and therefore are *not* provided in this document. Additional explanations are provided for some data elements.

I. Project Administration and Acreage Management

Timely administration of projects and acreage accountability are critical functions in assuring the usefulness of the NASIS database as a management tool. Projects serve as “place holders” to plan future needs, identify progress, and track milestone events leading to completion of soil survey products.

Guiding Principles:

1. The tables and data elements related to goals and progress are imbedded in the NASIS database, which is a multiuser database. They serve as the official reporting instrument for production soil survey activities of the National Cooperative Soil Survey.
2. Administration is the responsibility of State offices; updating maps and data is the responsibility of data stewards of the soil survey business area.
3. For the initial soil survey, data are maintained in projects linked to the “Non-MLRA Soil Survey Areas” owned by the NASIS site “NSSC Pangaea.”
 - Each “Non-MLRA Soil Survey Area” is linked to a project in NASIS. All geographic areas of the Nation are covered in at least one such survey area.
 - With the data conversion to NASIS 6.0, a project was created for each legend linked to a non-MLRA soil survey area. The resulting project was named for the survey area and the status shown in the “Legend” table (e.g., Allen County, Kansas - Update needed). Data from the “Legend Data” object related to goals and progress in NASIS 5.4 were moved to this new project and related tables. Acreage data in the various tables for these specific, completed projects are not to be edited.
 - Mapping progress and milestones may be reported continuously but, as a minimum, are reported at the end of each quarter. Other data entries may be maintained continuously but, as a minimum, are current at the end of each month.
4. For update soil survey work, a project is created for each project plan developed for the “MLRA Soil Survey Office Area.”
 - Projects are linked to the appropriate “MLRA Soil Survey Office Area” in NASIS.
 - Mapping progress and milestones may be reported continuously but, as a minimum, are reported at the end of each quarter. Other data entries may be maintained continuously but, as a minimum, are current at the end of each month.

A. Administrative Data Elements

- Area Table

- Area Name (This data element applies to the “Area,” “Project,” “Legend,” and “Legend Area Overlap” tables.)
- Area Symbol (This data element applies to the “Area,” “Project,” “Legend,” and “Legend Area Overlap” tables.)
- Area Acres
- Legend Table
 - MLRA Office (This data element pertains to the 12 soil survey regional offices.)
 - MOU Agency Responsible
 - Legend Description
 - Geographic Applicability (This data element specifies the currency of soil survey information, including both attribute and spatial data.)
- Legend Certification History Table
 - Legend Certification Status
 - Certification Date
 - Certification Kind
- Legend Export Certification History Table
 - Export Certification Status
 - Export Certification Date
- Project Table
 - Project Name
 - Project Description
 - MLRA Soil Survey Office Area (This column header pertains to the MLRA soil survey offices and is composed of two underlying data elements labeled “MLRA SSO Area Symbol” and “MLRA SSO Area Name.”)
 - State Responsible
- Project Product Table
 - Product Availability Status
- Project Data Type Table
 - Product Data Type Name
 - Project Data Type Description
- Milestone Type Table
 - Milestone Type Name
 - Milestone Type Description
- Technical Soil Service Type Table
 - Tech Soil Service Type Name
 - Tech Soil Service Type Description

B. Acreage Management Protocols for Initial Soil Survey Projects Linked to Non-MLRA Soil Survey Areas

Seven land categories are used to identify the ownership of all lands of the United States and its trust territories. The land categories are: Native American land, other non-Federal land, Bureau of Land Management, U.S. Forest Service, National Park Service, other Federal land, and census water. Accordingly, acreage is assigned in each project linked in NASIS to a “Non-MLRA Soil Survey Area,” subject to the following conventions:

1. Land categories reflect the current land ownership in the survey area.
2. The sum of all land category acres from all projects linked to “Non-MLRA Soil Survey Areas” in a State equals the 1992 NRI acres for the State.

3. Land category acres are balanced across projects that cover the same geographic area so that each acre is recorded only once.
4. Survey areas that cover parts of two or more States will have a separate project for each State. Each project will have land categories, land category acres, goals, and progress for the respective State. A “Non-MLRA Soil Survey Area” will be needed for each State involved. The area symbol will be assigned for the respective State. The area name will be the same for both. Area acres will be for the whole survey area and will be recorded as the same in each State.
5. Acres are recorded to the actual acre or rounded to 100 acres.
6. Areas in Alaska identified as Alaska Native Lands or in Hawaii as Hawaiian Homelands are included in the meaning of Native American land.
7. Census water applies to all contiguous water polygons that are 40 acres in size or larger. If a water polygon is less than 40 acres in size in the survey area but extends into an adjoining survey area such that the total extent in both survey areas is more than 40 acres, then the water qualifies as census water. Census water acreage is *not* to be part of mapping goals; it is administratively managed in NASIS as a land category in the “Project Land Category Breakdown” table to account for total survey acres and progress.

Project Scenarios and Protocols:

1. Survey Areas With One Project. Only one project is linked to a “Non-MLRA Soil Survey Area” in NASIS and no other survey areas have been established that coincide geographically with any part of the survey area. The actual (or best estimate of) land category acres are recorded in the “Project Land Category Breakdown” table. The sum of all acres recorded in the table are to equal the survey area acreage.
2. Survey Areas With Two or More Projects. These areas typically have an older out-of-date legend and corresponding project and a newer update or published legend and project. Acres in the “Project Land Category Breakdown” table should be rebalanced so that the older project shows zero acres in each land category. The newer project should reflect the actual (or best estimate of) land category acres in the “Project Land Category Breakdown” table. Thus, land category acres will be recorded only once for the survey area. Mapping progress should be retained in both the older and newer projects as appropriate (see the section on mapping goals and progress).
3. Survey Areas That Partly Coincide With Another Survey Area. These areas typically consist of a newer survey area that covers part of an older survey area or a newer survey that covers all or parts of two or more previous survey areas. Acres in the “Project Land Category Breakdown” table should be rebalanced in all affected survey area projects so that current land category acres are recorded in the newest project and subtracted from older projects. The sum of land category acres in the newest project will equal the survey area acreage. The resulting sum of land category acres in each of the other affected projects will total less than their respective survey area acreage. Mapping progress should be retained in both older and newer projects as appropriate (see the section on mapping goals and progress).

C. Acreage Management Protocols for Update Soil Survey Projects Linked to MLRA Soil Survey Areas

Seven land categories are used to identify the ownership of all lands of the United States and its trust territories. The land categories are: Native American land, other non-Federal land, Bureau of Land Management, U.S. Forest Service, National Park Service, other Federal land, and census water. Accordingly, acreage is assigned in each project linked to a “Non-MLRA Soil Survey Area,” subject to the following conventions:

1. Land categories reflect the current land ownership in the survey area.
2. For each such project developed, the appropriate land categories and acres will be entered into the “Project Land Category Breakdown” table.
3. As these projects stand on their own and the same acre of land may be covered by more than one project, there is no need to balance land category acres across projects or within a State. The same acre may be reported as being updated more than once.
4. Acres are recorded to the actual acre or rounded to 100 acres.
5. Areas in Alaska identified as Alaska Native Lands or in Hawaii as Hawaiian Homelands are included in the meaning of Native American land.
6. Census water applies to all contiguous water polygons that are 40 acres in size or larger. If a water polygon is less than 40 acres in size in the survey area but extends into an adjoining survey area such that the total extent in both survey areas is more than 40 acres, then the water qualifies as census water. Census water acreage is *not* to be part of mapping goals; it is administratively managed in NASIS as a land category in the “Project Land Category Breakdown” table so that total survey acres and progress are accounted for.

II. Mapping Goals and Progress

Goals and progress are recorded in the “Project Mapping Goal” and “Project Mapping Progress” tables for each defined project. Goals and progress may be recorded for each individual project staff member or for the project staff as a whole. Use the following protocols:

1. Project Staff. First, enter individual project member names in the “Project Staff” table before entering goals or progress. A choice list is provided based on user names in the NASIS “User” table. If a name needs to be added to the list, contact the Soils Hotline (SoilsHotline@lin.usda.gov) to request a NASIS user account. For more information on requesting NASIS user accounts, see part 639, subpart A, section 639.2, of this handbook.
2. Goals. Enter fiscal year goals in the “Project Mapping Goal” table at the beginning of each fiscal year.
3. Progress:
 - a.) Enter mapping progress and show the effective progress reporting date in the “Project Mapping Progress” table under the appropriate land category. **Note:** The reporting date determines the fiscal year for progress reporting. Show initial and update mapping under NRCS or cooperator columns, as appropriate. Update acres may be reported in any project where update activity has occurred.
 - b.) Once initial soil survey mapping progress has been reported in a project, that progress should not be moved to another project, unless an error was made in data entry. In order to show the current progress for all land categories, however, progress may need to be reallocated among land categories within the same project to reflect any changes in land ownership. **Note:** For situations where land category acres have been rebalanced across projects, acres of mapping progress reported for a land category may be more than the land category acres shown for that project and, in some cases, the land category acres may even be zero.

A. Goal Setting.

- Project Staff Table
 - Project Staff Member
- Project Mapping Goal Table
 - Fiscal Year
 - Initial NRCS Acres Goal
 - Initial Cooperator Acres Goal

- Update NRCS Acres Goal
- Update Cooperator Acres Goal
- Project Staff Member

B. Reporting Mapping Progress

- Project Mapping Progress Table
 - Progress Reporting Date
 - Initial NRCS Acres
 - Initial Cooperator Acres
 - Update NRCS Acres
 - Update Cooperator Acres
 - Project Staff Member

Initial Acres. This item refers to mapping a soil survey area and reporting progress for the first time. The cumulative initial acres reported for a completed survey area always equals 100 percent of the survey area acres. The item applies to all lands of the Nation and mapping by both NRCS and cooperator personnel and to mapping at any order of detail or scale. Typically, initial acres are reported only for surveys having a nonproject or initial status but may apply to surveys with update status where areas that were not mapped during the initial survey are mapped and reported for the first time. Initial acres are reported only once for a given geographic area. All subsequent mapping on the same ground is reported as update acres.

Update Acres. This item refers to updating and reporting progress on acres previously reported for the Nation. All update acreage reported must be a part of a project plan entered in NASIS that was approved by the MLRA management team for the soil survey region. Acres are reported when revised data is posted to the Soil Data Warehouse.

Update projects consist of work that leads to significant changes in data or to work that confirms the quality of the existing attribute data. This work typically, but not always, results in the recorrelation of map units and their components. Update acres are reported even if the data and correlation are not changed. Update projects are based on an inventory and assessment of existing soil survey information and the deficiencies identified for correction. Refer to part 610 of this handbook for guidance on conducting the inventory and assessment. An update project is established after consideration of the work needed based on a project evaluation (described in part 610, subpart A, section 610.4). The project is designed to address, either all or a reasonable subset of, related needs that are identified for the area. One hundred percent of a map unit's acres are reported if update work was conducted on all components. Update acres are not reported for map units for which the edited component is used as a minor component. This situation pertains to map units that were not part of field investigation but for which revisions were extrapolated to the attribute data for the minor component.

Updates are based on field observations, which are either new observations or existing documentation. All documentation used as the basis for updating official soil survey information is populated in NASIS, either as recorded point data or as text notes indicating where the data is located. The documentation is used as the basis for a change or to confirm the accuracy of the official data.

III. Imagery, Orthophotography, Map Compilation Materials, and Other Data Layers

These data elements are primarily the responsibility of State offices in their administrative and liaison capacity between soil survey regional offices and National Cooperative Soil Survey partners within a

State. Field imagery, orthophotography, and map compilation materials may be needed for project survey operations or SSURGO initiatives.

Beginning with NASIS 6.0, these needs are recorded in the “Project Data Need” table. Each type of product or data needed should be recorded on a separate row in the “Project Data Type” column using the choice list provided. Applicable dates need to be recorded in the “Date” columns.

- Project Data Need Table
 - Project Data Type
 - Date Needed
 - Date Ordered
 - Date Received

IV. Initial and Update Survey Operations

These data elements relate most directly to production soil survey operations and therefore are the responsibility of the soil survey regional offices. Data elements relative to the memorandum of understanding for project areas and product types are jointly shared by State offices and soil survey regional offices.

A. Administrative and Field Activities

- Legend Table
 - MOU Signed
 - MOU Projected Completion
 - Project Scale.—Standard National map scales are 1:12,000 in quarter quad format or 1:24,000 in full quad format. Puerto Rico is approved for 1: 20,000 and Alaska is approved for 1: 25,000. Any other scale or format must be approved by the director of the Soil Science Division prior to development of the long-range plan for the survey area.
- Project Field Review Table
 - Correlation Event = “Initial Field Review”
 - Correlation Event = “Final Field Review”
 - Date = date of the respective correlation event report
- Project Table
 - English Edit Site
 - Digital Map Finishing Site

B. Map Finishing

- Project Table
 - Map Finish Method = either digital (preferred) or manual
- Project Milestone Table
 - Milestone Type Name = “Digital map finishing”
 - Milestone Date Started = date map finishing project was started
 - Milestone Date Completed = date map finishing project was completed
- Project Milestone Progress Table
 - Milestone Progress Amount
 - Milestone Progress Unit = “percent”
- Project Milestone Table
 - Milestone Type Name = “Maps to NGCE”
 - Milestone Date Started = date map finishing project was sent to NGCE

- Milestone Date Completed = date map finishing project was received at NGCE
- Milestone Type Name = “Maps to printer”
- Milestone Date Completed = date finished maps were sent to printer

C. SSURGO Digitizing, Certification, and Archiving

SSURGO Operations. As part of the National Cooperative Soil Survey, a SSURGO database is developed for all areas. The Soil Science Division coordinates with NGCE in SSURGO database development. Soil survey regional offices have soil business responsibilities for the correlation and quality assurance of SSURGO products. The dataset is archived in the Soil Data Warehouse and delivered via the Web Soil Survey and Geospatial Data Gateway.

SSURGO Progress Reporting. Progress and status for SSURGO development are tracked continuously in NASIS. Business areas with responsibilities for SSURGO development also have responsibility for populating the appropriate data elements in NASIS (refer to Section 608.13, “Business Area Responsibilities for Goals and Progress”). Data stewards are designated to ensure timely and accurate progress reporting.

SSURGO Certification. These data elements are the primary responsibility of the soil survey regional office. If actual digitizing is not done by the soil survey regional office, States have responsibility for populating “digitizing started,” “digitizing percent,” and “digitizing completed” prior to sending the job to the digitizing unit for certification review. Dates and progress for the following milestones are recorded in the “Project Milestone” and “Project Milestone Progress” tables as outlined in section 608.13.

- “Project Milestone” Table
 - Milestone Type Name = “Digitize maps”
 - Milestone Date Started = date the digitizing was started (The final correlation document, compilation certification, and attribute data are on file at the digitizing unit before the work is started. Correspondence that grants an exception is on file at the soil survey regional office.)
 - Milestone Date Completed = date the digitizing was completed (Quality control work by the State or the digitizing unit and quality assurance by the soil survey regional office are typically done after the digitizing is complete and before the SSURGO review is started.)
- “Project Milestone Progress” Table
 - Milestone Progress Amount
 - Milestone Progress Unit = “percent”
- “Project Milestone” Table
 - Milestone Type Name = “SSURGO Digital review”
 - Milestone Date Started = date the digital review was started
 - Milestone Type Name = “SSURGO Certification”
 - Milestone Date Completed = date the SSURGO dataset was certified
 - Milestone Type Name = “SSURGO Archived”
 - Milestone Date Completed = date the SSURGO dataset was archived

D. Manuscript and Product Development

1. Manuscript Technical Edit and Review

- “Project Milestone” Table
 - Milestone Type Name = “Technical Edit”

- Milestone Date Started = date the technical edit was started
- Milestone Date Completed = date the technical edit was completed
- Milestone Type Name = “Technical Review”
- Milestone Date Completed = date the technical review was completed

2. *English Edit*

- “Project Milestone” Table
 - Milestone Type Name = “English edit received”
 - Milestone Date Completed = date the manuscript was received by the editor
- “Project Milestone” Table
 - Milestone Type Name = “English Edit”
 - Milestone Date Started = date the English edit was started
 - Milestone Date Completed = date the English edit was completed
- “Project Milestone” Table
 - Milestone Type Name = “Text received at NGCE”
 - Milestone Date Completed = date the manuscript was received by NGCE
- “Project Milestone” Table
 - Milestone Type Name = “Text to printer”
 - Milestone Date Completed = date the manuscript was sent to the printer

3. *Products Data Elements*

- “Project Product” Table
 - Product Type.—Six final product types are available from a choice list. All that apply for a survey area are identified according to their publication date. Choices are:
 - Interim Report
 - Soil Attribute/Spatial on CD-ROM
 - Soil Survey Report on CD-ROM
 - Three Ring Bound Manuscript
 - Traditional Bound Manuscript
 - Web Publication
 - Product Description
 - Scheduled Delivery (date)
 - Actual Delivery (date)
 - Availability Status

608.13 Business Area Responsibilities for Goals and Progress

NASIS Table Name	Data Element	State Office	SSR	NSSC	NHQ	SSO	NGCE
I. PROJECT ADMINISTRATION and ACREAGE MANAGEMENT							
A. Administration							
Area	area name	X	X	X			
Area	area symbol	X	X	X			
Area	area acres	X	X	X			
Legend	MLRA office		X				
Legend	MOU agency responsible		X				
Legend	legend description		X				
Legend	geographic applicability						
Legend Mapunit	mapunit symbol						
Legend Mapunit	total acres						
Legend Certification History	legend certification status		X				
Legend Certification History	certification date		X				
Legend Certification History	certification kind		X				
Legend Export Certification History	export certification status						
Legend Export Certification History	export certification date						
Project	project name		X			X	
Project	project description		X			X	
Project	MLRA soil survey office area		X			X	
Project	State responsible		X			X	
Project Product	availability status						
Project Data Type	project data type name			X			
Project Data Type	project data type description			X			
Milestone Type	milestone type name			X			
Milestone Type	description			X			
Technical Soil Service Type	tech soil service type name			X	X		
Technical Soil Service Type	tech soil service type description			X	X		
B. Acreage Management							
Legend Area Overlap	area overlap acres		X				
Project Land Category Breakdown	land category acres		X				
Project Land Category Breakdown	land category		X				

NASIS Table Name	Data Element	State Office	SSR	NSSC	NHQ	SSO	NGCE
II. MAPPING GOALS and PROGRESS							
A. Goal Setting							
Project Staff	project staff member		X			X	
Project Mapping Goal	project staff member		X			X	
Project Mapping Goal	fiscal year		X			X	
Project Mapping Goal	initial NRCS acres goal		X			X	
Project Mapping Goal	initial cooperater acres goal		X			X	
Project Mapping Goal	update NRCS acres goal		X			X	
Project Mapping Goal	update cooperater acres goal		X			X	
B. Reporting Mapping Progress							
Project Mapping Progress	project staff member		X			X	
Project Mapping Progress	progress reporting date		X			X	
Project Mapping Progress	initial NRCS acres		X			X	
Project Mapping Progress	initial cooperater acres		X			X	
Project Mapping Progress	update NRCS acres		X			X	
Project Mapping Progress	update cooperater acres		X			X	
C. ESD Development Progress							
Project Milestone	ESI Quality Assurance – Field Assist		X			X	
Project Milestone	ESI Quality Assurance – Progress Review		X			X	
Project Milestone	ESD approval date		X			X	
Project Milestone	ESI Quality Control Review		X			X	
III. IMAGERY, ORTHOPHOTOGRAPHY, MAP COMPILATION MATERIALS, and OTHER DATA LAYERS							
A. Field Imagery							
Project Data Need	project data type = “field imagery”						
Project Data Need	date needed						
Project Data Need	date ordered						X
Project Data Need	date received						
B. Orthophotography							
Project Data Need	project data type = “digital orthophoto quads”						
Project Data Need	date needed						
Project Data Need	date ordered				X		
Project Data Need	date received						
C. Compilation Materials							
Project Data Need	project data type = “compilation materials”						

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NASIS Table Name	Data Element	State Office	SSR	NSSC	NHQ	SSO	NGCE
Project Data Need	date needed						
Project Data Need	date ordered						
Project Data Need	date received						
IV. INITIAL and UPDATE SURVEY OPERATIONS							
A. Administrative and Field Activities							
Legend	MOU signed		X				
Legend	MOU projected completion		X				
Legend	project scale		X				
Project Field Review	correlation event = “initial field review”		X				
Project Field Review	date		X				
Project Field Review	correlation event = “final field review”		X				
Project Field Review	date		X				
Project	English edit site		X	X	X		
Project	digital map finishing site		X	X	X		
B. Map Finishing							
Project	map finish method		X				
Project Milestone	milestone type = “digital map finishing”		X				
Project Milestone	milestone date started		X				
Project Milestone Progress	milestone progress amount		X				
Project Milestone Progress	milestone progress unit = “percent”		X				
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “maps to NGCE”		X				
Project Milestone	milestone date started		X				
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “maps to printer”						X
Project Milestone	milestone date completed						X
D. SSURGO Digitizing, Certification, and Archiving							
Project Milestone	milestone type = “digitize maps”		X				
Project Milestone	milestone date started		X				
Project Milestone Progress	milestone progress amount		X				
Project Milestone Progress	milestone progress unit = “percent”		X				
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “SSURGO digital review”		X				
Project Milestone	milestone date started		X				
Project Milestone	milestone type =		X				

NASIS Table Name	Data Element	State Office	SSR	NSSC	NHQ	SSO	NGCE
	“SSURGO certification”						
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “SSURGO archived”						
Project Milestone	milestone date completed						
E. Manuscript and Product Development							
1. Technical Edit and Review							
Project Milestone	milestone type = “technical edit”		X				
Project Milestone	milestone date started		X				
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “technical review”		X				
Project Milestone	milestone date completed		X				
2. English Edit							
Project	English edit site		X	X			
Project Milestone	milestone type = “English edit received”		X				
Project Milestone	milestone date completed		X				
Project Milestone	milestone type = “English edit”		X				
Project Milestone	milestone date started		X				
Project Milestone	milestone date completed		X				
3. Products							
Project Product	product type		X				
Project Product	product description		X				
Project Product	scheduled delivery		X				
Project Product	actual delivery						
Project Product	availability status						