

TECHNICAL NOTES

February 19, 2003

MO-1 Technical Note Number 25 - Amendment Version 3.0

Re: NASIS - Text Notes and Mapunit History Table

This represents the second amendment to Technical Note #25 and revises the Mapunit Text where kind = correlation notes. The following discussion and instruction on the Mapunit History Table will clarify where data is to be entered in NASIS in order to track mapunit deletions, changes and additions to the legend.

There is currently no national standard as to a convention to follow when entering NASIS Text Notes. As a result, the following Text Notes Guide was developed for the purpose of data entry consistency within MO-1. This guide will continue to be subject to change over time.

Please note that any additions to this guide should be sent to the MO office for review. Include the text note hierarchy (i.e., Table/Kind/Category/Subcategory), topic/subject description, and several examples of the notes you want to record.

In addition, please note the following comment with regards to NASIS and consistency of data entry:

1. In all text -"author" fields, please enter your name and not just initials.

This instruction will be included as a supplement to the MO-1 Technical Note # 25.

In an effort to consistently document soil survey information, and because a national standard was not available for use, MO-1 put together Technical Note # 25 dealing with **Text Notes**. At this time, we are continuing to use this as a guide, however with the recent NASIS 5.1 release, a portion of this guide will be somewhat outdated. Specifically the **Mapunit Text** field dealing with correlation notes = KIND and pfr notes, field reviews, joins and mapunit = CATEGORIES. Please discontinue using these text note data element fields and in their place use the Mapunit History Table with the respective fields as described in the file attached. This discussion of the Mapunit History Table was developed by Jim Fortner, National Soil Survey Center. Tracking mapunit correlation decisions using the three newly added data elements (Record Author, Correlation Kind, and Correlation Event) in addition to the existing data elements (which includes the mapunit history text field), will result in national consistency and the ability to use newly added NASIS reports.

Local NASIS reports planned for development include:

PFR REPORT – CHANGES TO LEGEND
PFR REPORT – MAPUNITS ADDED
PFR REPORT – MAPUNITS ADDED
PFR REPORT – MAPUNITS COMBINED FROM LEGEND

These reports relate to decisions on mapunits and will be used by the SSPL in preparation for the field review. The SDQS will also use these reports for the annual review report.

A National NASIS report used to track a running account of mapunit history of decisions for the entire legend is : **CORR – Legend by Name with Notes**

When tracking correlation decisions relating to series, the **Component Text** table as noted in MO-1 Technical Note # 25, will continue to be used. The following NASIS report prints a record of correlation decisions based on a component (Series) such as taxadjunct correlation and why; component outside series range and why, etc.

(Local) MO-1

PFR COMPONENT CORRELATION NOTES

(This report uses the Component Text Table where: Kind = correlation notes;
Category = series; and Subcategory = pfr notes)

Attachment

Mapunit History Table

Significant changes were made to the Mapunit History table in this release of NASIS (5.1). The Mapunit History table was originally designed to record correlation decisions. It, however, had become evident that the table was incomplete if the original intent was to be realized. It was also felt that consistency in entry would require the development of choice lists for some of the fields vs. freeform entries. Freeform entries have been used in all other text tables in NASIS in the Category and Subcategory columns. Correlation decisions have also been recorded in several text tables in NASIS. The use of several tables combined with freeform entries in the Category and Subcategory columns prevented the development of any national reports related to the correlation process, e.g. field review reports.

The original proposal to change the Mapunit History table was presented by Kit Paris, Data Quality Specialist in Davis, CA. Kit's proposal was an attempt to solve the problems listed above. His proposal was routed to all data quality specialists for review and comment. The changes that were implemented are a compilation of those comments. With the implementation of these changes, reports are being developed that will print correlation decisions that are recorded during the course of a soil survey. An explanation of the new columns and how they are intended to be used follows. If you populate these columns as intended the reports being developed will work for you.

Three new data elements were added to the Mapunit History table. They are Record Author, Correlation Kind, and Correlation Event. The existing data elements (Mapunit Name Historical, Mapunit Status Historical, Record Date, and Text) are still in the table. The way in which these data elements are intended to be used has not changed, i.e. Mapunit Name Historical and Mapunit Status Historical entries represent the name and status before the Record Date. Correlation Kind and Correlation Event each have a choice list that is given below:

Correlation Kind = The type or kind of correlation decision that is being documented. This includes "join statements" and "notes to accompany" the correlation event.

Status change - added = The map unit has just been added to the Mapunit table for this legend - generally with a status of provisional or approved.

Status change - dropped/combined = Documentation for map units that are removed from the list of active map units - changed to "additional" status. This would also apply to map units that are "combined" with other map units.

Status change - disapproved = Documentation as to why a provisional mapunit did not move to the approved list, or an approved one did not move to correlated. More study is needed to make the correlation decision.

Status change - reinstated = Documentation as to why a previously "dropped" map unit is revived and added to the list of active map units -- status generally changed from additional to approved or possibly correlated.

Name change = Documentation regarding changing the name on an existing map unit. If the status is changed at the same time, the action should be coded as "status change."

Symbol change = Documentation regarding changing the mapunit symbol on an existing unit.

Notes to accompany = Notes designed to be included with either the final correlation document or a field review report.

Join statement = Documentation regarding the joining of this map unit with those of surrounding soil survey areas.

Correlation Event = The activity or event during which the documented correlation decision was made.

NOTE: No definitions are provided with these choices because they are self-explanatory.

Initial field review
Progress field review
Final field review
Technical assist
Correlation team meeting
Final correlation
Correlation amendment

Before selecting a choice for Correlation Kind and Correlation Event, please read the definitions for each Correlation Kind choice closely. The date should reflect the date the correlation decision took place as opposed to the date the information was entered into NASIS. Likewise the author should be the name of the person who was instrumental in making the correlation decision not that of the person entering the data into NASIS.

We intend to develop a national report to produce a listing of correlation decisions to be included with a field review report or final correlation document. As soon as this report is developed, guidelines for populating this table will be issued. However, it is anticipated that Record Date, Correlation Kind, and Correlation Event will always need to be populated.

WHO	NASIS TABLE	KIND	CATEGORY	SUBCATEGORY	TOPIC
MO	Legend Text	certification statements	date	ssurgo	post download date for ssurgo download
MO	Legend Text	certification statements	notes	ssurgo	Post notes on changes made to the legend for SSURGO certification.
MO	Legend Text	correlation notes	amendment	first, second, third, etc	post notes on changes, additions, or modifications made to the legend as a in the correlation document
MO	Legend Text	correlation notes	evaluation		post notes pertinent to the evaluation of an out-of-date survey
MO	Legend Text	edit notes			notes pertinent to edits made to the entire legend
MO	Legend Text	field reviews	initial		copy of 233 for the initial field review
MO	Legend Text	field reviews	progress	year	copy of 233 for the progress field review
MO	Legend Text	field reviews	final		copy of 233 for the final field review
PO	Legend Text	miscellaneous notes	manuscript	history	manuscript history section
PO	Legend Text	miscellaneous notes	manuscript	geology	manuscript geology section
PO	Legend Text	miscellaneous notes	manuscript	range	manuscript range section
PO	Legend Text	miscellaneous notes	manuscript	forestry	manuscript forestry section
PO	Legend Text	miscellaneous notes	manuscript	recreation	manuscript recreation section
PO	Legend Text	miscellaneous notes	manuscript	wildlife	manuscript wildlife section
PO	Legend Text	miscellaneous notes	manuscript	soil formation	manuscript soil formation section
PO	Legend Text	miscellaneous notes	manuscript	general nature	manuscript general nature section
PO	Legend Text	miscellaneous notes	manuscript	crops	manuscript crops section
MO	Legend Text	mou	initial		copy of initial mou
MO	Legend Text	mou	amendment		amendments to mou

WHO	NASIS TABLE	KIND	CATEGORY	SUBCATEGORY	TOPIC
MO	Mapunit Text	certification statements	ssurgo		notes pertaining to ssurgo certification for a mapunit
MO	Mapunit Text	correlation notes	evaluation		notes by mapunit found during the evaluation of an out-of-date survey
PO/MO	Mapunit Text	miscellaneous notes	field notes		documentation of findings during normal survey operations by field party
MO	Mapunit Text	nontechnical description	SOI	s5id	nontechnical descriptions used for planning purposes. This is mainly historical data. Check with MO before entering data
PO	Mapunit Text	miscellaneous notes	mud	location	major landscape position on which the mapunit occurs
PO	Mapunit Text	miscellaneous notes	mud	major uses	dominant uses of the mapunit
PO	Mapunit Text	miscellaneous notes	mud	mgt limitations	dominant management concerns
PO	Mapunit Text	miscellaneous notes	gsm		general soil map unit that the mapunit belongs in
PO	Mapunit Text	miscellaneous notes	unnamed inclusions		Notes on characteristics of unnamed minor components.
PO	Datamapunit Text	certification statements			used in conjunction with certification status in datamapunit table. Specify which data is certified for use.
	Datamapunit	edit			record changes to Prime and HEL
SO	Text	notes			(designations

WHO	NASIS TABLE	KIND	CATEGORY	SUBCATEGORY	TOPIC
MO/PO	Component Text	correlation notes	series	pfr notes	correlation decisions for series component
PO SO	Component Text	correlation notes	lab data	modal pedon	notes on lab data and findings
PO SO	Component Text	correlation notes	lab data	RIC pedon	notes on lab data and findings
PO SO	Component Text	correlation notes	lab data	taxadjunct pedon	notes on lab data and findings
PO	Component Text	miscellaneous notes	mud	parent material	description of parent material as you want it displayed in map unit description
PO	Component Text	miscellaneous notes	mud	geomorphic position	description of geomorphic position as you want it displayed in map unit description
PO	Component Text	miscellaneous notes	special features	taxadjunct	reasons a component is a taxadjunct
PO	Component Text	s5description			brief soil description converted from 3SD. Add description for new components.
PO	Horizon Text	correlation notes			
PO	Horizon Text	edit notes	[name of column]		notes on edits made to horizon
PO	Horizon Text	miscellaneous notes			
MO	Site Text	correlation notes			
MO	Site Text	miscellaneous notes			
PO	Site Text	site note, formatted			description of a site feature that you want printed in the pedon description
PO	Site Text	site note, unformatted			notes about the site that you do not want printed in the pedon description
MO	Site Observation Text	correlation notes			
MO	Site Observation Text	miscellaneous notes			
PO	Site Observation Text	site note, formatted			description of a site feature that you want printed in the pedon description
PO	Site Observation Text	site note, unformatted			notes about the site that you do not want printed in the pedon description

WHO	NASIS TABLE	KIND	CATEGORY	SUBCATEGORY	TOPIC
MO	Pedon Text	correlation notes			
MO	Pedon Text	miscellaneous notes			
PO	Pedon Text	site note, formatted			description of a pedon feature that you want printed in the pedon description
PO	Pedon Text	site note, unformatted			notes about the pedon that you do not want printed in the pedon description
MO	Pedon Horizon Text	correlation notes			
MO	Pedon Horizon Text	miscellaneous notes			
PO	Pedon Horizon Text	site note, formatted			description of a horizon feature that you want printed in the pedon description
PO	Pedon Horizon Text	site note, unformatted			notes about the horizon that you do not want printed in the pedon description