

# TECHNICAL NOTES

June 27, 2005

MO-1 Technical Note 46

Re: Map Units: Map Unit status and DMU certification status.

Guidance on identifying map unit status as provisional, approved or correlated and identifying DMU certification status as 0, 1, 2, or 3 (not for distribution, not certified, partly certified, certified)

**Map unit status** – all map units will have a status; status is based on major components.

- Correlated map units; Map units have been used in a correlation document. For progressive soil surveys, only match map units from adjacent correlated soil surveys would have correlated status.
- Provisional map units; any map unit used in the survey in which the map unit does not meet the minimum amount of NASIS data population needed for approval status (see below). Also, 1) if any major component in the map unit does not have a TUD described, and written in a word document or preferably in NASIS pedon, or 2) the series name is not reserved and the description stored in OSD's, the map unit is provisional.
- Approved map units; all other map units not designated a provisional or correlated. The following is a list of data fields in NASIS needing population for approved status. The quality of the data population is addressed in DMU certification states. This list is in a sense a subset of the required NASIS data population fields needed for certification.

NASIS Data elements needing population for map unit approved status.

- TUD – in NASIS pedon or in a word document for older projects.
  - need range of characteristics fully developed along with elevation, slope, temperature, precipitation and frost-free period.
- NASIS data elements populated
  - Map unit linked to a DMU.
  - Legend/Mapunit/Mapunit History
    - Under text notes state why the map unit is needed.
  - Component/Component
    - percent composition
    - name
    - major or minor (y or n)
    - slope
    - classification
    - parent material
    - geomorphic description and subtables

Component/Soil Moisture

- month for flooding and ponding
- soil moisture for watertable

Component/Interpretation Restriction

- Hydric soil rating (y or n); if yes then populate appropriate criteria in the restriction subtable.

**DMU certification status** – all DMU will have a status, status is based on major components.

- 0 (not for distribution) – the map unit is populated in the legend table and a link is made to a DMU. Data population is preliminary and incomplete. Major changes to the data are expected. All provisional map units will have a DMU certification status of 0.
- 1 (not certified) – the map unit has an approved status. The minimum amount of NASIS data as discussed above under approved map unit status is populated but the data has not been reviewed for quality by the MO-SQDS. Upon review, the SDQS will change the status to 2 (partly certified).
- 2 (partly certified) – the map unit has an approved status. Data population in the map unit has undergone quality review by the MO-SDQS.
- 3 (certified) – the map unit has a correlated status. The survey is in process for SSURGO certification. The MO-SDQS will change DMU status to 3 (certified).