

Soil Taxonomy and Standards Committee Report

Committee Members

- **Charles Love, MO-15 Leader**
- **Dr. Joey Shaw, Auburn University**
- **Roy Vick, MO-14 Team Leader**
- **Doug Slabaugh, Tennessee State Soil Scientist**
- **Scott Anderson, MO-15 SDQS**

Committee Charges

1. Review the existing proposal for new taxonomic classifications and provide recommendations to NSSC for adoption in *Soil Taxonomy*.
2. Identify needed changes to the *NSSH, Field Guide for Describing and Sampling Soils*, and *Soil Survey Manual* to accommodate Subaqueous Soil survey activities.

Proposals to Revise Soil Taxonomy

July 15, 2010

■ Rhodic Subgroup Revision

by Roy Vick, MO-14 Team Leader

Series

- Coronaca
- Cumberland
- Ellijay
- Fayetteville
- Nacogdoches
- Pontotoc
- Tablock
- Tiff

Southern Region Committee Decisions on Soil Taxonomy Proposals

- Revisions to the criteria for Rhodic subgroup in Alfisols discussion

Committee: Support and accept as written

Proposals to Revise Soil Taxonomy

July 15, 2010

- Proposed master V horizon for the designation of near surface horizons with vesicular porosity

West Region Proposal

- **by** : *Judith K. Turk, University of California, Riverside*
Carrie-Ann Houdeshell, USDA-NRCS, Victorville
Robert C. Graham, University of California, Riverside

Southern Region Committee Decisions on Soil Taxonomy Proposals

Committee: Not accepted as written

Recommendation: Consider using the suffix of “ve”,
only

Southern Region Committee Decisions on NSSH Proposals

■ Miscellaneous Area (Exhibit 627-7)

By: Kit Paris, Mark Clark & Chad McGrath – West Region

- The revised exhibit above has 1 new miscellaneous area (MA) which is “Mined land.” There are 7 miscellaneous areas which have been deleted from the list.

Added MA

Mined land – Added at the request of **Kit Paris** as a new type of MA to encompass many mined areas which do not fit the concepts of pits and dumps. Use of this new type of MA makes the deleted “Uranium mined land” (presented below) a phase of mined land.

Deleted MA

Blownout land – There are about 53,000 acres of this MA. It is used mainly in older soil surveys in Montana, the Dakotas, Hawaii, and New Mexico. It is recommended to recorrelate blownout land to soil components during map unit update projects.

Cirque land – There are about 44,000 acres of this MA. It is used mainly in Wyoming and Colorado. It is recommended to recorrelate cirque land components to either rock outcrop or rubble land.

Gullied land – There are about 1,256,171 acres of this MA. It is used mainly in southern and western states such as Mississippi and California, respectively, but eastern and Midwestern states have also correlated gullied land. It is difficult to make a general recommendation on recorrelating this MA since it probably has been mapped broadly even within a state.

Gypsum land – There are about 417,031 acres of this MA. It is used mainly in New Mexico. About one-third of the total acreage occurs in the old White Sands Missile Range soil survey which is currently being updated for the DOD. It is recommended to recorrelate most gypsum land components to soils. Some gypsum land components on steep slopes may be correlated to rock outcrop.

Scoria land – There are about 1,655 acres of this MA. It is used only in North Dakota. It is recommended to recorrelate scoria land to soils and/or rock outcrop components.

Slickspots – There are about 536,352 acres of this MA (16,646 spelled as two words; 519,706 spelled as one word). It is used mainly in North Dakota, Wyoming, Colorado, and Montana. It is recommended to recorrelate slickspots to sodic or saline-sodic soils.

Uranium mined land – There are about 3,934 acres of this MA. It is used only in the soil survey of McKinley County Area, New Mexico (NM692). There is only a single map unit which is “265--Uranium mined lands.” It is recommended to recorrelate this MA as a component of mined land and use uranium as the local phase term.

Proposals to Revise NSSH

July 15, 2010

■ Miscellaneous Area (Exhibit 627-7)

Recommendation: Accept as written with some revisions

Note: Gullied Lands will remain as a miscellaneous area for the southern correlation activities.

These miscellaneous definitions need more clarification for correlation activities . Also, a suggested minimum data set that is tailored to the type of miscellaneous area should be developed.

Establish a subcommittee: MO's Senior Regional Soil Scientists

Proposals to Revise SSM

July 15, 2010

Charge:

- Subaqueous Soils -- Identify needed changes to the *NSSH, Field Guide for Describing and Sampling Soils*, and *Soil Survey Manual* to accommodate Subaqueous Soil survey activities

- Recommendations:

National Standard Committee continues to work on revising the *NSSH, Field Guide for Describing and Sampling Soil* and *Soil Survey Manual* to accommodate Subaqueous Soil Survey activities, as supporting data is presented.