All –

There will be no laboratory prioritization meeting next week (Oct 14th) to keep us free just in case Anna Marie would like to have additional discussions concerning the databases.

Decision 1:  RaCA layers from the same pedon that have been assigned to multiple pedon records (Pedon Natural Keys) will be grouped with a single unique pedon natural key.

Discussion regarding Pedon Completeness Index resulted in the following notes:

This is the definition of the Pedon Completeness Index at this time:

The Pedon Completeness Index is a relative number indicating how complete the analyses are for a particular pedon. The measurement is based upon the percentage of the horizons analyzed for particle size, organic carbon, bulk density, pH, cation exchange capacity, electrical conductivity, and fifteen bar water content.

It was suggested that we provide the pedon completeness index in the ACCESS database and add it as a field in the NCSS Laboratory pedon table

It was also recommended to develop a string of characters as an indicator of completeness as well.

The proposed string is:    PROCBEW

Where

P stands for particle size

R stands for reaction/pH

O stands for organic carbon

C stands for cation exchange capacity

B stands for bulk density

E stands for electrical conductivity

W stands for fifteen bar water content

Currently the Google fusion map is color coded using the completeness index as a number.

Should the map ever be generated using the string of characters, I am asking for comments on the following color scheme.

1. Large Green – most complete corresponding to  pedons with results for fifteen bar water content
2. Large Purple – next most complete includes Eelectrical conductivity
3. Small green – Soils with bulk density
4. Small purple – Soils with Cation Exchange Capacity
5. Small blue – Soils with organic carbon
6. Small red – Soil with pH/reaction
7. Small yellow – Soils with particle size

The point is assigned to a color based upon the first indicator analysis in the pedon completeness script that returns a positive result, in the order indicated above 1-7.