From: Marshall, Adrienne (adriennemarshall@uidaho.edu)
To: Nemecek, Jason - NRCS - Madison, WI
Cc: Cole, Cory - NRCS, Palmer, AK; Beaudette, Dylan - NRCS, Sonora, CA; Wills, Skye - NRCS, Lincoln, NE; Diaz, Adolfo - NRCS, Madison, WI
Subject: Re: soil water retention curve
Date: Friday, March 20, 2020 3:52:51 PM

Great - thanks so much, Jason! I'll spend some time getting to know what's in here and get back in touch to let you know how it goes or possibly ask you more questions about the data.

I just started exploring the R script you sent a link to; I hadn't worked with the aqp package before but this seems like a great way to access and work with the data.

Thanks!
-Adrienne

From: Nemecek, Jason - NRCS - Madison, WI <jason.nemecek@usda.gov>
Sent: Friday, March 20, 2020 12:18 PM
To: Marshall, Adrienne (adriennemarshall@uidaho.edu) <adriennemarshall@uidaho.edu>
Cc: Cole, Cory - NRCS, Palmer, AK <cory.cole@usda.gov>; Beaudette, Dylan - NRCS, Sonora, CA <dylan.beaudette@usda.gov>; Wills, Skye - NRCS, Lincoln, NE <skye.wills@usda.gov>; Diaz, Adolfo - NRCS, Madison, WI <adolfo.diaz@usda.gov>
Subject: RE: soil water retention curve

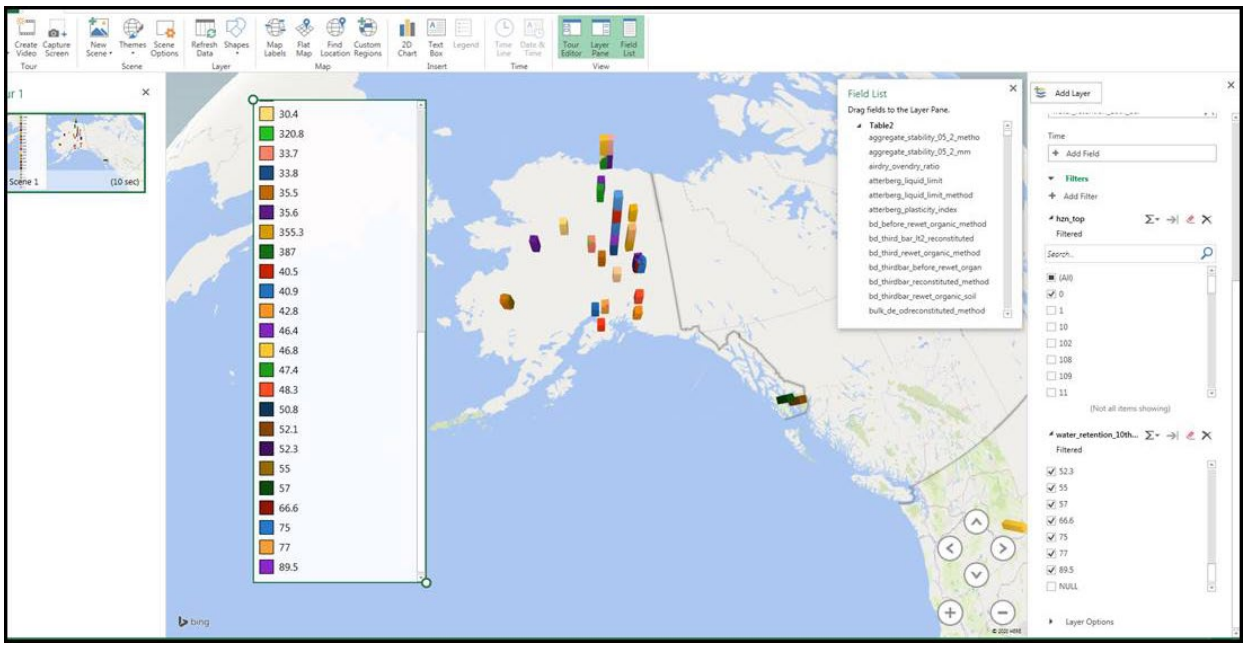
Hi Adrienne;
It was great talking with you earlier. Enclosed below is a link the lab databases. It includes several different database flavors. I also attached a excel spreadsheet containing the water retention data. In the link there is a folder for the draft documentation.

https://new.cloudvault.usda.gov/index.php/s/eSoPYbWDBQNX2HP

- MS-Access (Characterization and Morphological)
- SQL Lite
- ArcGIS file geodatabase
- Open Source GIS database

Draft tutorial on downloading characterization data for a selection of points, using R and the soilDB package. Click Here.

The attached spreadsheet includes a 3D map filtered by horizon depth and Water Retention.

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INNER JOIN [ncsslabdata].[dbo].[layer] AS l ON l.pedon_key=p.pedon_key
INNER JOIN [ncsslabdata].[dbo].[lab_physical_properties] AS lpp ON lpp.labsampnum=l.natural_key AND [upedonid] LIKE '%AK%'
```

From: Marshall, Adrienne (adriennemarshall@uidaho.edu) <adriennemarshall@uidaho.edu>
Sent: Friday, March 20, 2020 1:10 PM
To: Nemecek, Jason - NRCS - Madison, WI <jason.nemecek@usda.gov>
Subject: soil water retention curve

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