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Discussions

Interactive comment on "Quantifying soil and critical zone variability in a forested catchment through digital soil mapping" *by* M. Holleran et al.

M. Holleran et al.

crasmuss@cals.arizona.edu

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Updated Table 5

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Table 5. Correlation matrix of environmental covariates, principal components, and soil variables.

	Mod_Depth	Wet_Ind	Sol_Rad	Slope	NDVI	B3:B2	PC1	PC2	PC3	PC4	PC5	PC6	KCl-pH	Clay (%)	τ_Na	Soil Depth (cm)	Carbon (kg m⁻²)	Clay (kg m⁻²)	Na mass flux (kg m⁻²)
Mod_Depth	1.00																		
Wet_Ind	**0.73*****	1.00																	
Sol_Rad	-0.13	0.09	1.00																
Slope	0.28	-0.03	**-0.59****	1.00															
NDVI	-0.01	-0.10	-0.19	0.24	1.00														
B3:B2	0.07	0.17	-0.04	-0.07	0.17	1.00													
PC1	**0.76******	**0.54****	**-0.58****	**0.67*****	0.35	0.31	1.00												
PC2	**0.66*****	**0.77******	**0.41***	-0.32	-0.37	-0.28	0.10	1.00											
PC3	-0.09	-0.20	-0.11	0.23	**0.93******	-0.19	0.17	-0.30	1.00										
PC4	0.02	0.23	0.22	-0.39	0.35	**0.89******	0.12	-0.11	0.05	1.00									
PC5	**0.66*****	0.24	0.16	**0.44***	0.11	0.28	**0.54****	0.19	0.00	0.14	1.00								
PC6	-0.31	0.30	0.01	0.12	0.00	-0.03	-0.02	-0.04	0.01	-0.02	**-0.43***	1.00							
KCl-pH	0.38	0.16	-0.18	**0.52****	0.19	-0.07	**0.46***	0.05	0.19	-0.18	**0.43***	-0.03	1.00						
Clay (%)	0.11	**0.45***	-0.24	0.03	0.01	0.01	0.24	0.19	-0.03	0.03	-0.32	**0.49***	0.22	1.00					
τ_Na	0.02	-0.25	0.19	-0.30	-0.03	-0.16	-0.26	0.09	0.04	-0.04	0.07	**-0.56****	-0.14	-0.27	1.00				
Soil Depth (cm)	0.24	0.34	-0.23	0.05	-0.30	-0.10	0.19	0.28	-0.30	-0.18	-0.13	0.16	-0.17	0.16	-0.14	1.00			
Carbon (kg m⁻²)	0.01	0.14	-0.36	0.05	-0.24	0.06	0.13	-0.01	-0.28	-0.06	-0.26	0.19	0.06	**0.32******	-0.26	**0.66*****	1.00		
Clay (kg m⁻²)	0.23	**0.45***	-0.26	0.13	-0.19	0.09	0.31	0.21	-0.26	-0.01	-0.11	0.36	0.03	0.37	-0.25	**0.89*****	**0.73******	1.00	
Na mass flux (kg m⁻²)	0.03	-0.16	0.32	**-0.44***	-0.01	-0.02	-0.28	0.15	0.02	0.15	0.09	**-0.52****	-0.07	-0.27	**0.62****	-0.38	**-0.43***	**-0.49***	1.00

Pairwise correlation coefficients
Bold values are significant at P<0.05*, P<0.01**, P<0.001***, P<0.0001****

Fig. 1.