

Jefferson County, KS

Nortonville Clay Mapping and Characterization

Analysis underway

Stable carbon isotope analysis ($\delta^{13}C$)

Analyses scheduled

Particle size distribution-laser diffraction

Rock magnetics-magnetic susceptibility and frequency dependence of susceptibility, ARM, IRM

Mineralogy-XRD

Geochemistry-XRF

Color-Munsell and CIE L*a*b

Botanical microfossil analysis

Core 5 8.3 m depth

Rig: Giddings

Stable isotope sample series

Status: pre-treatment underway at KU Soils Geomorphology Laboratory

ID	depth (cm)
RI G5 1	75
RI G5 2	85
RI G5 3	95
RI G5 4	105
RI G5 5	115
RI G5 6	125
RI G5 7	135
RI G5 8	145
RI G5 9	155
RI G5 10	165
RI G5 11	175
RI G5 12	185
RI G5 13	195
RI G5 14	205
RI G5 15	215
RI G5 16	225
RI G5 17	235
RI G5 18	245
RI G5 19	255
RI G5 20	265
RI G5 21	275
RI G5 22	285
RI G5 23	295
RI G5 24	305
RI G5 25	315
RI G5 26	325
RI G5 27	335
RI G5 28	345
RI G5 29	355
RI G5 30	365
RI G5 31	375
RI G5 32	385



Mapper W. Johnson and student volunteer coring the Nortonville clay with the heavy duty Giddings coring machine.

RI G5 33	395
RI G5 34	405
RI G5 35	415
RI G5 36	425
RI G5 37	435
RI G5 38	445
RI G5 39	455
RI G5 40	465
RI G5 41	475
RI G5 42	485
RI G5 43	495
RI G5 44	505
RI G5 45	515
RI G5 46	525
RI G5 47	535
RI G5 48	545
RI G5 49	550
RI G5 50	555
RI G5 51	560
RI G5 52	565
RI G5 53	570
RI G5 54	575
RI G5 55	580
RI G5 56	585
RI G5 57	590
RI G5 58	595
RI G5 59	600
RI G5 60	605
RI G5 61	610
RI G5 62	615
RI G5 63	620
RI G5 64	625
RI G5 65	630
RI G5 66	635
RI G5 67	640
RI G5 68	645
RI G5 69	650
RI G5 70	655
RI G5 71	660
RI G5 72	665
RI G5 73	670
RI G5 74	675
RI G5 75	680
RI G5 76	685
RI G5 77	690
RI G5 78	695
RI G5 79	700
RI G5 80	705
RI G5 81	710
RI G5 82	715
RI G5 83	720
RI G5 84	725
RI G5 85	730
RI G5 86	735
RI G5 87	740
RI G5 88	745
RI G5 89	750

RI G5 90	755
RI G5 91	760
RI G5 92	765
RI G5 93	770
RI G5 94	775
RI G5 95	780
RI G5 96	785
RI G5 97	790
RI G5 98	795
RI G5 99	800
RI G5 100	805
RI G5 101	810
RI G5 102	815
RI G5 103	820
RI G5 104	825
RI G5 105	830