

15. Appendix C. Jet Test Results from TSC

			Critical shear stress	Detachment rate coefficient			
			τ_c	k_d			
Sample	Description	Sample Depth, ft	Pa	$\text{cm}^3/(\text{N}\cdot\text{s})$	Notes	Water Content, %	Dry Density, lb/ft^3
EDH-09-4 (71X-9)	undisturbed tube sample cut from larger sample	3	0.016	34	Very soft. Sample could only be tested for about 2 minutes. Depth of hole caused material to start falling back into the hole after $t=2$ min.	-	-
EDH-09-5 (71X-10)	Remolded sample from bottom of tube...remolded with spoon, no compaction	1.9	0.28	12	Better test. Very erodible, but sample seemed to erode in consistent, controlled manner.	276.9	19.25
EDH-09-6 (71X-12)	Remolded sample from top of tube...remolded with spoon, no compaction	1.5	0.28	140	Very soft, and material seemed to erode along seams. Got only a couple of good data points before scour hole got very deep and it was impossible to accurately measure depth.	286.7	18.76

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EDH-09-7, ~1.4 ft depth (71X-15)	Tube sample	1.4	1.76	2.6	This sample appears from documentation to be above the top of existing pre-reservoir sediment, but may actually be below. Color of material seen in tube seems backward...brown material at bottom and very black at top.	-	-
EDH-09-7, ~2.1 ft depth (71X-15)	Tube sample	2.1	0.74	2.2	Companion sample to test 4, supposedly below the pre-reservoir sediment interface, but may come from above the interface. Very good test. Consistent erosion.	-	-
EDH-09-6, ~5 ft depth (71X-13)	Tube sample	5	0.127	14.3	Short test. Hole deviated off to side and it became impossible to accurately measure depth of scour..	-	-