Table 13. Descriptions of sediments sampled along Broad Mouth Creek and other tributaries to the Saluda River — continued.

Block	Station number	Sample number	Material sampled	Depth of sample below surface of flood plain (feet)	Screening characteristics: Plus 1/4 inch: Volume ratio	Plus 1/4 inch: Composition (percent)	Plus 1/4 inch: Maximum intermediate dimension (inches)	Minus 1/4 - plus 1/8 inch: Volume ratio	Minus 1/4 - plus 1/8 inch: Composition (percent)	Minus 1/8 inch: Sand: Volume ratio	Minus 1/8 inch: Silt and clay: Abundance	Weight of concentrate (grams)	Minerals in concentrate: Sieve fraction: Mesh	Sieve fraction: Percent of concentrate	Monazite: Percent of concentrate	Monazite: Pounds per cubic yard	Ilmenite: Percent of concentrate	Ilmenite: Pounds per cubic yard	Rutile: Percent of concentrate	Rutile: Pounds per cubic yard	Zircon: Percent of concentrate	Zircon: Pounds per cubic yard	Garnet: Percent of concentrate	Garnet: Pounds per cubic yard	Kyanite: Percent of concentrate	Kyanite: Pounds per cubic yard	Sillimanite: Percent of concentrate	Sillimanite: Pounds per cubic yard	Magnetite (Percent of concentrate)	Hematite (Percent of concentrate)	Staurolite (Percent of concentrate)	Tourmaline (Percent of concentrate)	Amphibole, pyroxene, biotite (Percent of concentrate)	Epidote (Percent of concentrate)	Quartz (Percent of concentrate)	Others (Percent of concentrate)
N cont	33	52-DC-377	Riffle gravel	-	18	50 qtz, 20 gr, 20 fels, 10 bio sch	2	2	60 qtz, 25 fels, 10 bio sch, 5 gr, mica & sill sch	13		226.1	45	22	4		17		–		tr		1				tr		–	–	–	–	–	–	tr	
													100	60	13		44		–		1		–				–		–	–	–	–	–	1	1	
													170	16	4		12		–		tr		–				–		–	–	–	–	–	–	–	
													Total		21	9.5	73	32.9	–	–	1	.4	1	4			tr	–	2	–	–	–	–	1	1	
		52-DC-378	Bank silt	2	–	–	–	–	–	3	30	8.9	45	tr	–		–		–		–		–						–	–	–	–	–	–	–	
													100	22	–		12		–		–		1				1		–	–	–	–	–	1	1	
													170	18	8		65		1		–		–						–	–	–	–	–	–	4	
													Total		8	.2	77	1.4	1	.02	–	–	1	.02			1	.02	tr	–	–	–	–	1	11	
O	34	52-DC-373	Riffle sand		5	40 qtz, 30 gr, 20 fels, 10 bio sch	1	5	55 qtz, 25 fels, 20 bio sch	20		35.8	45	16	–		12		–		–		2		–				–	1	–	–	1	–	tr	
													100	63	3		56		–		–		1						–	–	–	–	–	–	3	
													170	10	2		7		–		1		–						–	–	–	–	–	–	–	
													Total		5	.4	15	5.4	–	–	1	.01	3	.2					11	1	–	–	1	–	3	
	35	52-DC-374	Riffle sand		4	50 qtz, 30 gr, 20 fels, 10 bio sch	1	5	50 qtz, 20 fels, 20 gr, 10 bio sch	23		14.5	45	21	–		10		1		–		–						–	–	–	–	tr	–	10	
													100	45	–		22		–		–		–						–	–	–	–	5	4	14	
													170	13	2		7		–		1		–						–	–	–	–	–	1	–	
													Total		2	.06	41	1.2	1	.03	1	.03	–	–				–	21	–	–	–	5	5	24	

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