Table 8. ~~Descriptions~~ Mineral content of sediments sampled along Walnut Creek and other tributaries to the Reedy River, Laurens County, S.C.

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)	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	Hematite	Staurolite	Tourmaline	Amphibole, pyroxene, biotite	Epidote	Quartz	Others
															Minerals in concentrate: Percent of concentrate																					
A	1	52-DC-668	Riffle sand	-	5	50 bio sch, 20 qtz, 20 gn, 10 fels	5/8	9	70 qtz, 20 bio sch, 10 gn	20		10.2	45	11	tr		8		tr		—		1		tr		—		—	1	tr	—	—	tr	1	tr
													100	72	5		55		—		—		3		—		tr		—	1	tr	—	1	1	6	—
													170	10	2		7		—		tr		tr		—		—		—	tr	tr	-	tr	tr	1	—
													Total		1	.1	70	1.4	tr	—	tr	—	4	.08	tr	-	tr	-	1	2	tr	—	1	1	8	tr
B	5	52-DC-676	Riffle gravel		19	40 qtz, 30 gn, 20 basic rock, 10 fels	3	1	50 qtz, 20 bio sch, 10 gn; 10 fels, 10 basic rock	12		71.5	45	52	2		40		2		—		3		—		—		—	-	-	-	-	1	4	
													100	43	6		23		1		—		1		—		-		—	-	—	—	—	—	12	
													170	4	1		3		tr		—		tr		—		—		—	-	—	—	—	—	tr	
													Total		9	1.3	66	9.4	3	.4	—	—	4	.6	—	—	—	—	1	-	—	—	—	1	16	
	7	52-DC-670	Riffle gravel		10	40 qtz, 30 gn, 20 bio sch, 10 fels	2	5	50 qtz, 20 fels, 20 bio sch, 10 gn	15		22.5	45	33	3		10		—		—		—		—		—		—	1	-	tr	10	1	8	
													100	62	4		29		tr		—		—		—		—		—	tr	-	tr	15	2	12	
													170	4	tr		4		—		tr		—		—		—		—	tr	-	-	tr	tr	tr	
													Total		7	.3	43	1.9	tr	—	tr	—	—	—	—	—	—	—	1	1	-	tr	25	3	20	
C	2	52-DC-678	Riffle sand		—	—	—	—	—	34		2.2	45	5	tr		4		1		—		tr		—		—		—	—	—	—	—	tr	tr	
													100	81	2		29		3		3		1		—		—		—	1	—	—	2	4	56	
													170	9	1		4		1		tr		—		—		tr		—	tr			tr	1	2	
													Total		3	.01	31	.2	5	.02	3	.01	1	.004	—		tr	—	5	1			2	5	58	
	3	52-DC-677	Riffle gravel		15	70 qtz, 20 gn, 10 fels	4	1	60 qtz, 20 fels, 10 bio sch, 10 gn	14		64.7	45	30	2		25		tr		—		1		—		—		—		tr	tr		tr	1	1	
													100	53	7		40		—		tr		1		—		—		—		1	1		tr	1	2	—
													170	7	1		5		—		tr		tr		—		—		—		tr	tr			tr	1	
													Total		10	1.3	70	9.0	tr	—	tr	—	2	.3	—	—	—	—	10	1	1	—	tr	-	4	
D	4	52-DC-669	Riffle sand		19	50 qtz, 20 fels, 20 bio sch, 10 gn	1	5	50 qtz, 30 fels, 10 gn, 10 bio sch	19		24.9	45	12	—		10		tr		—		1		—		—		—		1	-		tr	tr	tr	
													100	61	4		42		1		—		2		—		—		—		tr	-		4	1	1	
													110	11	2		7		—		1		—		—		—		—		-	-		1	tr	tr	
													Total		6	.3	59	2.9	1	.05	1	.05	3	.2	—		—	—	16	1		—	5	1	1	
E	6	52-DC-675	Riffle gravel		16	70 qtz, 10 gn, 10 fels, 10 bio sch & basic rock	2	2	80 qtz, 10 fels, 10 bio sch	16		36.0	45	34	7		30		—		-		tr						—		2					tr	tr
													100	49	12		24		1		-		1		tr		tr		—		2	-		tr	1	8	—	tr
													110	7	2		5		tr		tr		tr				tr		—				tr	tr	tr	tr
													Total		21	1.5	59	4.2	1	.07	tr	—	1	.01	tr		tr	—	5	4		tr	tr	1	8	tr	tr
F	8	52-DC-674	Riffle gravel		23	40 qtz, 40 gn, 10 fels, 10 bio sch	4	1	60 qtz, 20 fels, 10 gn, 10 bio sch	9		31.9	45	25	3		20		1		—		—				—		—	-				tr	1	
													100	60	11		42		2		—		—		—		—		—	-			—	tr	5	
													170	13	4		9		tr		tr		—		—		—		—	-					tr	tr
													Total		18	1.1	71	4.5	3	.2	tr	—	—	—	—		—		2	-				tr	6	tr
	9	52-DC-673	Riffle gravel		10	60 qtz, 20 gn, 10 fels, 10 bio sch	1	5	70 qtz, 15 fels, 10 bio sch, 5 gn	18		41.8	45	13	1		10		1		—		—							-	1			tr		tr
													100	63	8		44		2		—		—								1				1	
													170	16	3		11		tr		1		—								tr		tr	tr	1	tr
													Total		12	1.0	65	5.4	3	.2	1	.08	—	—					8	2			1	tr	8	tr
	10	52-DC-672	Riffle gravel		18	50 qtz, 20 gn, 20 bio sch, 10 fels	5	1	60 qtz, 20 fels, 10 gn, 10 bio sch	12		94.4	45	31	3		23		tr		—		—							2					2	tr
													100	48	3		25		—		—		—											tr	4	—
													110	9	1		8		-		—		—							tr	tr		tr		tr	—
													Total		7	1.3	66	2.4	tr	—	-	—	—	—					14	2	1	-	1	tr	11	tr
	11	52-DC-671	Riffle gravel		14	60 qtz, 20 gn, 10 bio sch, 10 fels	1 1/2	1	70 qtz, 10 fels, 10 bio sch, 10 gn	18		46.2	45	27	5		20		1		—		—											tr	tr	1
													100	55	14		25		tr		1		—													5
													110	7	2		4		tr		1		—													tr
													Total		21	.19	59	5.4	1	.09	2	.2	—	—					11				tr	tr	6	
	12	52-DC-580	Riffle sand		9	50 qtz, 20 gn, 20 fels, 10 bio sch	2	2	70 qtz, 20 gn, 10 fels	22		33.0	45	15	—		12		tr		tr		1							tr				1	tr	.1
													100	48	—		42		tr		tr		tr										1	4	1
													170	6	1		4		tr		1												tr	tr	tr
													Total		1	.06	58	38	tr	—	1	.06	1	.06					31	tr			2	4	..	tr
		52-DC-581	Bank silt	3	—	—	—	—	—	7	20	13	45	tr	—		—		—		—		—													
													100	42	—		20		tr		—												2	5	10	
													110	52	tr		31		tr		1												1	2	1	
													Total		tr	—	57	.2	tr	—	1	.004	-	—					8				-	1	.4	
		52-DC-582	Bank clay	6	—	—	—	tr	tr qtz, gn, fels	5	25	29	45	4	—		4		—		—		tr											tr		
													100	53	—		21		tr		—		—										3	3	26	
													170	36	—		26		-		1						tr						tr	3	6	
													Total		—	—	51	4	tr	-	1	.001	tr	—			tr		1	-	—		3	6	2	

Mineralogical analyses by: H. B. Strom, Jr., R. P. Marguiss, C. J. Spengler, Jerome Stone.