

Table 33. Descriptions of sediments sampled along Florida Creek and other tributaries to the Broad River - continued.

Block	Station number	Sample number	Material sampled	Depth of sample below surface of flood plain (feet)	Screening characteristics								Minerals in concentrate																									
					Plus 1/4 inch			Minus 1/4 - plus 1/8 inch		Minus 1/8 inch		Weight of concentrate (grams)	Sieve fraction		Monazite		Ilmenite		Rutile		Zircon		Garnet		Kyanite		Sillimanite		Magnetite	Hematite	Staurolite	Tourmaline	Amphibole, pyroxene, biotite	Epidote	Quartz	Others		
					Volume ratio	Composition (percent)	Maximum intermediate dimension (inches)	Volume ratio	Composition (percent)	Sand	Silt and clay		Mesh	Percent of concentrate	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard	Percent of concentrate	Pounds per cubic yard									Percent of concentrate	Pounds per cubic yard
V	91	52-WE-26	Riffle sand	6 1/2	7	50 gty, 20 sill sch, 15 bio sch, 10 fela, 5 peg	1	1	60 gty, 20 sill sch, 15 fela, 5 bio sch	20	31.7	45	14	2	7	-	-	-	-	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-				
cont.											100	66	20	20	20	-	-	-	4	-	-	-	-	3	3	-	-	-	-	-	-	16						
											170	20	7	8	8	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2						
											Total			29	1.8	35	2.2	2	0.1	5	0.3	3	0.2	-	-	3	0.2	5	-	-	-	-	18					
		52-WE-27	Bank clay	5	10	40 bio sch, 30 gty, 15 peg, 10 fela, 5 sill sch	1 1/4	1	55 gty, 30 fela, 10 bio sch, 5 sill sch	11	35.1	45	12	2	8	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-					
											100	64	10	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35						
											170	24	3	8	8	1	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	7						
											Total			15	1.2	29	2.4	1	0.08	1	0.08	-	-	-	3	0.2	1	-	-	-	-	-	42					
	92	52-WE-24	Riffle sand	4 1/2	2	55 gty, 20 sill sch, 15 fela, 10 bio sch & hgn	1/2	2	55 gty, 20 sill sch, 20 fela, 5 bio sch & hgn	21	62.9	45	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
											100	51	-	19	19	-	-	-	-	4	-	-	-	-	3	3	-	-	-	5	2	-	15					
											170	47	-	35	35	-	-	-	6	-	-	-	-	-	6	-	-	-	-	-	-	-						
											Total			ta	-	55	6.9	-	-	6	0.8	5	0.6	-	-	3	0.4	9	-	-	-	-	15					
		52-WE-25	Bank silt	2 1/2	-	-	-	-	-	2	5.1	45	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
											100	41	-	9	9	-	-	-	-	-	-	-	-	-	-	2	-	-	-	6	-	-	24					
											170	57	-	24	24	2	-	-	3	-	-	-	-	-	5	3	-	-	-	-	-	-	20					
											Total			-	-	34	0.4	2	0.02	3	0.03	1	0.01	-	-	5	0.05	5	-	-	-	6	-	44				
	93	52-WE-23	Riffle sand	4 1/2	6	70 gty, 10 sill sch, 10 bio sch, 10 fela & hgn	3/8	1	70 gty, 15 sill sch, 10 fela, 5 bio sch, 10 hgn	24	22.8	45	3	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-					
											100	61	5	17	17	-	-	-	-	4	-	-	-	-	2	-	-	-	-	6	-	-	27					
											170	36	5	15	15	1	-	-	1	-	-	-	-	3	2	-	-	-	-	2	-	-	7					
											Total			10	0.6	32	1.8	1	0.06	1	0.06	6	0.3	-	-	3	0.2	5	-	-	8	-	-	34				
W	94	52-WE-34	Riffle gravel	5 1/2	15	65 gty, 10 bio sch, 10 peg, 10 fela, 5 sill sch	1 1/4	2	80 gty, 15 fela, 5 sill sch & bio sch	10	16.7	45	29	2	12	-	-	-	-	10	-	-	-	-	-	1	-	-	-	-	-	-	2					
											100	61	13	12	12	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	35						
											170	10	1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
											Total			16	0.5	27	0.9	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	43					
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