Table 11. ~~Descriptions~~ Mineral content of sediments sampled along Laurel Creek and other tributaries to the Rocky 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)	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																					
F cont	10	52-DC-460	Riffle gravel		19	60 sill sch, 20 qtz, 15 gn, 5 fels	5	2	50 sill sch, 20 qtz, 10 gn, 10 bio sch, 10 fels	12		253.1	45	73	6		58		—		—		3		—		—		—	—	—	—	—	—	6	
													100	24	2		15		—		—		1		—		1		—	—	—	—	—	—	—	
													170	2	tr		2		—		tr		—		—		tr		—	—	—	—	—	—	tr	
													Total		8	4.0	15	37.9	—	—	tr	—	4	2.0	—	—	1	.5	1	—	—	—	—	—	11	
	11	52-DC-461	Riffle sand		8	40 sill sch, 30 qtz, 20 gn, 10 fels	1	4	60 qtz, 20 sill sch, 10 fels, 10 gn & mica	20		104.4	45	7	tr		6		—		—		1		—		—		—	—	—	—	—	—	tr	
													100	69	3		59		—		2		—		—		2		—	—	—	—	—	1	2	
													170	20	4		16		tr		tr		—		—		—		—	—	—	—	—	—	tr	
													Total		7	1.5	81	16.9	tr	—	2	.4	1	.2	—	—	2	.4	4	—	—	—	—	1	—	tr
G	15	52-DC-467	Riffle gravel		13	40 qtz, 30 gn, 20 fels, 10 bio sch	1½	2	90 qtz, 10 bio sch	15		142.0	45	50	4		37		—		—		9		—		—		—	—	—	—	—	—	tr	
													100	42	3		25		—		—		1		—		2		—	—	—	—	—	1	10	
													170	5	1		3		tr		tr		—		—		tr		—	—	—	tr	—	—	1	
													Total		8	2.3	65	18.4	tr	—	tr	—	10	2.8	—	—	2	.6	3	—	—	tr	—	1	11	
	16	52-DC-468	Riffle gravel		20	60 gn, 20 qtz, 10 fels, 10 sill sch & bio sch	5	1	50 qtz, 30 sill sch, 10 fels, 10 bio sch & tourmaline	8		41.9	45	52	7		34		—		—		11		—		—		—	—	—	—	—	—	tr	
													100	45	5		25		—		—		—		—		2		—	—	—	1	—	—	12	
													170	2	tr		2		—		—		—		—		tr		—	—	—	tr	—	—	tr	
													Total		12	1.0	61	5.1	—	—	—	—	11	.9	—	—	2	2	1	—	—	1	—	—	12	
	17	52-DC-471	Riffle gravel		14	50 qtz, 20 sill sch, 10 fels, 10 gn, 10 bio sch	5	4	60 qtz, 30 sill sch, 10 gn, bio sch & fels	15		47.2	45	48	9		26		—		—		13		—		—		—	—	—	—	—	—	—	
													100	45	13		27		—		1		3		—		—		—	—	—	—	—	—	1	
													170	4	2		2		—		tr		—		—		—		—	—	—	—	—	—	—	
													Total		24	2.3	55	5.2	—	—	1	.09	16	1.5	—	—	—	—	3	—	—	—	—	—	1	
	18	52-DC-472	Riffle gravel		11	60 qtz, 20 sill sch, 10 fels, 10 gn	1½	5	50 qtz, 30 sill sch, 20 fels	17		25.7	45	30	4		18		—		—		8		—		—		—	—	—	—	—	tr	—	
													100	65	13		33		—		1		4		—		3		—	—	—	—	—	—	11	
													170	3	1		2		—		tr		—		—		tr		—	—	—	—	—	—	—	
													Total		18	.9	53	2.7	—	—	1	.05	12	.6	—	—	3	2	2	—	—	—	—	tr	11	
I	19	52-DC-513	Riffle sand		10	40 qtz, 30 gn, 20 sill sch, 10 fels	1½	5	60 qtz, 20 bio sch, 10 fels, 10 sill sch	19		111.6	45	43	5		24		—		—		14		—		—		—	—	—	—	—	—	tr	
													100	49	13		28		—		—		4		—		—		—	—	—	—	—	—	4	
													170	8	3		4		tr		1		—		—		—		—	—	—	—	—	—	—	
													Total		21	4.7	56	12.5	tr	—	.1	.2	18	4.0	—	—	—	—	tr	—	—	—	—	—	4	
		52-DC-514	Bank gravel	7	10	90 qtz, 10 fels	5	1	90 qtz, 10 fels	14	5	4.9	45	2	1		1		—		—		—		—		—		—	—	—	—	—	—	tr	
													100	52	27		22		—		1		—		—		1		—	—	—	—	—	—	1	
													170	46	24		16		—		6		—		—		—		—	—	—	—	—	—	—	
													Total		52	.6	39	.4	—	—	7	.08	—	—	—	—	1	.01	tr	—	—	—	—	—	1	
J	20	52-DC-589	Riffle sand		4	60 sill sch, 20 qtz, 10 fels, 10 bio sch	¾	5	40 qtz, 40 sill sch, 10 fels, 10 gn	25		100.6	45	28	1		25		—		—		2		tr		—		—	—	—	—	—	—	—	
													100	58	4		46		1		—		2		—		5		—	—	—	—	—	1	1	
													170	11	1		9		—		1		—		—		tr		—	—	—	—	—	tr	tr	
													Total		6	1.2	80	16.1	1	.2	1	.2	4	.8	tr	—	3	1.0	3	—	—	—	—	tr	1	
	21	52-DC-590	Riffle sand		4	40 qtz, 30 sill sch, 20 fels, 10 gn	¾	5	50 qtz, 20 sill sch, 20 fels, 10 bio sch	24		4.2	45	12	1		9		—		—		2		—		tr		—	—	—	—	—	—	tr	
													100	73	7		56		—		tr		6		—		3		—	—	—	—	—	1	tr	
													170	15	3		10		tr		tr		1		—		—		—	—	—	—	—	1	—	
													Total		11	.09	75	.6	tr	—	tr	—	9	.08	—	—	3	.02	tr	—	—	—	—	2	tr	
K	22	52-DC-588	Riffle gravel		20	40 bio sch, 30 sill sch, 10 qtz, 10 gn, 10 fels	2	1	30 qtz, 30 sill sch, 30 bio sch, 10 fels	13		146.1	45	62	18		18		1		1		20		—		2		—	—	—	—	—	—	2	
													100	34	12		10		1		tr		2		—		3		—	—	—	—	—	—	6	
													170	2	1		1		tr		tr		tr		—		tr		—	—	—	—	—	tr	tr	
													Total		31	9.0	29	8.4	2	.6	1	.3	22	6.4	—	—	5	1.5	2	—	—	—	—	tr	8	
	23	52-DC-586	Riffle gravel		12	40 bio sch, 30 sill sch, 10 qtz, 10 fels, 10 gn	1	7	50 qtz, 20 sill sch, 20 bio sch, 10 fels	14		57.9	45	29	2		10		1		1		12		—		2		—	—	—	—	—	tr	1	
													100	57	11		29		tr		—		7		—		3		—	—	—	tr	—	1	6	
													170	12	5		5		tr		1		tr		—		1		—	—	—	—	—	tr	—	
													Total		18	2.1	44	5.1	1	1	2	.2	19	2.2	—	—	6	1	2	—	—	tr	—	1	1	
		52-DC-587	Bank silt	3	—	—	—	—	—	5	25	2.3	45	tr	—		—		—		—		—		—		—		—	—	—	—	—	—	—	
													100	27	2		8		1		tr		2		—		1		—	—	—	1	—	tr	1	
													170	78	11		36		3		6		tr		—		11		—	—	—	—	—	2	3	
													Total		13	.06	44	.2	4	.02	6	.03	2	.01	—	—	24	1	tr	—	—	1	—	2	4	

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