Table 3. ~~Descriptions~~ Mineral content of sediments sampled along Big Beaverdam Creek — 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																						
E	17	52-DC-274	Riffle sand		6	60 qtz, 30 qu, 10 fels	2	2	60 qtz, 20 fels, 20 sill sch	24		153.5	45	6	tr		2		—		tr		1		—		—		—	—	—	—	tr	1	2	
													100	24	1		8		—		—		—		—		—		—	—	—	—	—	5	10	
													170	3	tr		3		—		tr		—		—		—		—	—	—	—	—	tr	tr	
													Total		1	.3	13	4.0	—	—	tr	—	1	.3	—		—		67	—	—	—	tr	6	12	
		52-DC-275	Bank silt	3	—	—	—	—	—	1	20	4.0	45	tr	—		—		—		—		—		—		—		—	—	—	—	—	—	—	
													100	45	—		19		—		3		2		—		—		—	—	—	—	—	1	14	
													170	19	—		14		—		3		—		—		—		—	—	—	—	—	1	1	
													Total		—	—	3.3	.3	—	—	6	.05	2	.02	—		—		36	—	—	—	—	8	15	
	18	52-DC-276	Riffle sand		9	60 qtz, 20 fels, 10 qu, 10 sill sch	1	6	10 qtz, 10 sill sch, 10 fels, 10 qu & magn	19		103.5	45	28	—		9		—		—		3		—		—		—	—	—	—	3	3	10	
													100	51	—		14		—		—		2		—		—		—	—	—	—	—	8	21	
													170	5	—		4		—		tr		—		—		—		—	—	—	—	—	1	tr	
													Total		—	—	27	5.6	—	—	tr	—	5	10	—		—		16	—	—	—	3	12	37	
	19	52-DC-277	Riffle gravel		11	60 qtz, 20 qu, 10 sill sch, 10 fels	1	6	60 qtz, 20 sill sch, 10 fels, 10 qu	11		53.2	45	59	3		32		—		—		17		—		—		—	—	—	—	—	1	6	
													100	32	2		22		—		—		2		—		tr		—	—	—	—	—	2	4	
													170	7	2		5		—		tr		—		—		tr		—	—	—	—	—		tr	
													Total		7	.7	59	6.3	—	—	tr	—	19	2.0	—		tr	—	2	—	—	—	—	3	10	
		52-DC-278	Bank sand	4	—	—	—	tr	tr qtz, fels & qu	10		3.5	45	15	tr		9		—		—		6												tr	
													100	51	1		35		—		1		4				1								9	
													170	34	10		24		—		—		—												tr	
													Total		11	.08	68	.5	—	—	1	.008	10	.07			1	.008	tr						9	
	20	52-DC-280	Riffle sand		4	40 qtz, 30 fels, 20 sill sch, 10 qu	5/8	5	60 qtz, 20 sill sch, 15 fels, 5 qu, mica & magn	24		4.4	45	11	—		3		—		—		3											2	3	
													100	70	—		30		—		—		2				3							6	29	
													170	17	tr		13		—		tr		1				1							2	tr	
													Total		tr	—	46	.4	—	—	tr	—	6	.05			4	.04	2					10	32	
	21	52-DC-251	Riffle sand		1	50 qu, 30 qtz, 10 fels, 10 bio sch	7/8	1	60 qtz, 20 qu, 10 fels, 10 mica & bio sch	24		5.2	45	3	—		2		—		—		1											tr		
													100	58	—		26		—		—		8				2							5	17	
													170	23	tr		19		—		1		1											2		
													Total		tr	—	47	.3	—	—	1	.01	10	1			2	.01	16					1	11	
F	21	See Block E																																		
	22	52-DC-250	Riffle sand		7	60 bio sch, 20 qtz, 10 qu, 10 fels	1	4	40 bio sch, 40 qtz, 10 fels, 10 qu	22		15.0	45	38	10		7		—		—		—											tr	21	
													100	49	—		18		—		—		2											1	28	
													170	10	1		8		—		1		—											tr	tr	
													Total		11	.3	33	1.0	—	—	1	.03	2	1				—	3					1	49	
G	23	52-DC-252	Riffle gravel		15	50 qtz, 20 qu, 20 sill sch, 10 fels & mica	3	4	60 qtz, 20 sill sch, 10 fels, 10 qu	10	2	87.4	45	24	tr		19		—		—		1							1					5	
													100	42	1		28		—		1		1						—						11	
													170	11	—		8		—		2		1						—							
													Total		1	.2	55	9.6	—	—	3	.5	3	.5				—	23	1					14	
	24	52-DC-248	Riffle sand		5	60 qtz, 20 qu, 10 bio sch, 10 fels	3/4	6	10 qtz, 10 qu, 10 bio sch, 10 fels & mica	21		23.2	45	17	—		5		—		—		—										tr	1	11	
													100	35	—		27		—		1		—											3	4	
													170	4	tr		4		—		tr		—											tr	—	
													Total		tr	—	36	1.7	—	—	1	.05	—	—					44				tr	4	15	
H	25	52-DC-249	Riffle sand		5	70 qtz, 20 qu, 10 bio sch	5/8	8	10 qtz, 20 fels, 10 mica & qu	21		29.7	45	9	—		3		—		—		1											tr	5	
													100	49	—		35		—		—		3											1	10	
													170	16	1		15		—		tr		tr												—	
													Total		1	.06	53	3.1	—	—	tr	—	4	2					26					1	15	
	26	52-DC-245	Riffle gravel		20	10 qtz, 20 qu, 10 bio sch & fels	2	3	60 qtz, 20 sill sch, 10 fels, 10 bio sch	10		397.2	45	6	tr		4		—		tr		tr											tr	2	
													100	22	1		11		—		2		—											tr	8	
													110	4	tr		4		—		tr														tr	
													Total		1	.8	19	15.1	—	—	2	1.6	tr						68					tr	10	
	27	52-DC-246	Riffle gravel		12	10 qtz, 10 qu, 10 bio sch, 10 fels	1	3	60 qtz, 20 fels, 10 sill sch, 10 bio sch, qu & mica	16		149.0	45	14	—		9		—		—		1							1			tr	1	2	
													100	24	—		20		—		tr		1											1	2	
													110	3	tr		3		—		tr		—											tr	tr	
													Total		tr	—	32	9.5	—	—	tr	—	2	.6					57	1			tr	2	4	
		52-DC-241	Bank silt	2	1	10 qtz, 10 fels	1	1	80 qtz, 10 fels, 10 qu & bio sch	14	15	15.5	45	4	tr		3		—		—		tr											tr	1	
													100	80	1		54		—		—		2											6	11	
													170	2	—		2		—		tr		—							tr				tr	tr	
													Total		1	.03	57	1.9	—	—	tr	—	2	.01					14	tr				6	18	
	28	52-DC-244	Riffle sand		tr	tr qtz & fels	7/8	8	60 qtz, 20 qu, 10 bio sch, 10 sill sch	24		9.2	45	12	—		2		—		—		3										2	3	2
													100	77	—		9		—														4	6	58
													170	9	—		9		—		tr													tr	tr	
													Total		—	—	20	.4	—	—	tr	—	3	.06					2				6	7	100	

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