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(Cont) Mineral content

Table 6. ~~Descriptions~~ of sediments sampled along Big Beaverdam Creek and Little Beaverdam Creek—continued.

Block	Station number	Sample number	Material sampled	Depth of sample below surface of flood plain (feet)	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 (percent of concentrate)	Hematite	Staurolite	Tourmaline	Amphibole, pyroxene, biotite	Epidote	Quartz	Others
F	13	52-DC-189	Riffle sand	-	1	40 gr, 30 qtz, 20 fels, 10 bio sch	2	5	60 qtz, 30 fels, 10 gr, mica & bio sch	26		8.4	45	10	—		1		—		tr		tr		—		—		8	—	—	—	—	1	—	
													100	84	—		26		—		2		—		—		1		8	—	—	—	—	11	50	
													170	6	—		4		—		1		—		—		—		—	—	—	—	—	1	tr	
													Total		—	—	31	.5	—	—	3	.05	tr	—	—		1	.02	16				—	19	30	
	14	52-DC-188	Riffle gravel		16	50 qtz, 20 bio sch, 20 gr & peg, 10 mica & fels	4	1	60 qtz, 20 gr, 10 fels, 10 mica & bio sch	13		155.0	45	15	5		8		—		1		—		—		—		50					—	11	
													100	22	1		3		—		3		—		—		—		13					1	1	
													170	3	—		2		—		—		—		—		—		1						—	
													Total		6	1.9	13	4.0	—	—	4	12							64					1	12	
	15	52-DC-190	Riffle sand		6	70 qtz, 20 gr, 10 mica, fels & bio sch	1	6	70 qtz, 20 fels, 10 gr, mica & bio sch	20		106.5	45	31	tr		13		—		—		2		—				1					3	6	
													100	57	tr		29		—		4		—		—				15					8	1	
													170	12	tr		8		—		—		1		—				3					tr	—	
													Total		tr	—	50	10.6	—	—	4	.8	3	.6	—				25					11	1	
G	16	52-DC-192	Riffle sand		11	40 gr, 30 qtz, 20 fels, 10 mica & bio sch	3/4	5	60 qtz, 20 gr, 15 fels, 5 mica & bio sch	20		62.5	45	40	—		15		1		2		1		—				12	2			1	6	4	
													100	57	—		29		—		—		—		—				15	1				5	3	
													170	3	—		3		—		—		—		—											
													Total		—	—	47	5.9	1	.1	2	2	1	.1	—	—	—	—	27	3		—	1	11	7	
	17	52-DC-191	Riffle gravel		19	70 qtz, 10 fels, 10 gr, 10 bio gn	4	4	60 qtz, 30 fels, 10 mica & gn	10		82.2	45	47	1		9		—		1		1						31					tr	4	
													100	49	1		11		—		1		—						1					2	27	
													170	4	—		3		—		1											tr		tr	tr	
													Total		2	.3	23	3.8	—	—	3	5	1	.2					58			tr		2	[illegible]	
	18	52-DC-193	Riffle gravel		14	40 qtz, 30 gr, 20 fels, 10 bio sch	2 1/2	4	60 qtz, 30 gr, 10 mica & fels	18		398.4	45	62	—		9		—		—		tr						44					2	1	
													100	23	tr		8		—		tr		tr				tr		1					1	[illegible]	
													170	15	tr		10		—		2		—						3					tr		
													Total		tr	—	21	21.5	—	—	2	16	tr				tr		56					3	12	
	19	See block E																																		
H	24	52-DC-180	Riffle gravel		11	10 qtz, 20 gr, 10 fels	4	2	70 qtz, 30 gr & fels	16		101.2	45	35	2		13		—		2		1						14					1	2	
													100	55	6		34		—		5								3					2	3	
													170	10	1		8		—		1		—						tr					tr	—	
													Total		9	1.8	55	11.1	—	—	8	1.6	1	2					19					3	5	
	25	52-DC-178	Riffle sand		5	50 qtz, 30 gr, 10 bio sch, 10 mica & fels	1	6	60 qtz, 20 fels, 10 gr, 10 mica & bio sch	23		73.5	45	33	—		4		—		—		1						28							
													100	54	tr		13		—		1								24						15	
													170	13	—		9		—		2								2							
													Total		tr	—	26	4.8	—	—	3	.6	1	2					54					1	15	
	26	52-DC-179	Terrace gravel		1	80 qtz, 15 fels, 5 gr & sch	1	1	90 qtz, 10 fels	7	15	10.9	45	14	5		7		—		2															
													100	53	8		33		1		6														5	
													170	33	4		21		1		6														1	
													Total		17	.4	61	1.6	2	.05	14	.4													6	
	27	52-DC-177	Riffle sand		11	60 qtz, 20 gr, 10 fels, 10 bio sch	1	5	10 qtz, 20 fels, 10 gr, bio sch & mica	20		459.4	45	35	—		3		—		—		—						31						1	
													100	61	1		10		—		—		—						45						5	
													170	4	—		2		—		—		—						2							
													Total		1	.9	15	13.8	tr	—	—								18						6	
I	28	52-DC-74	Riffle sand		4	50 qtz, 25 fels, 15 gr, 10 mica & sill sch	1	4	60 qtz, 30 fels, 10 sill sch	21		329.4	45	10	—		2		—		—								3							
													100	75	1		34		—		—								28					2	10	
													170	15	—		8		—		—								6						1	
													Total		1	.7	44	28.9	—	—	—								42					2	11	
	29	52-DC-75	Riffle gravel		10	60 qtz, 30 fels, 10 gr	1	1	10 qtz, 25 fels, 5 gr & mica	15		152.4	45	12	—		3		—		—								1						21	
													100	78	tr		25		—		1								30					1	—	
													170	10	tr		7		—		—								2					1		
													Total		tr	—	35	10.6	—	—	1	.3							41					2	21	
	30	52-DC-17	Riffle sand		5	15 qtz, 20 fels, 5 gr	1	5	20 qtz, 10 fels, 10 mica & bio sch	20		411.0	45	7	tr		2		—				tr						3	tr				1	tr	
													100	67	tr		28		—				—						20					5	17	
													170	26	—		18		—		1								5					1		
													Total		tr	—	48	45.1		—	1	.9	tr						50	tr				6	17	
	31	52-DC-76	Riffle gravel		11	80 qtz, 15 fels, 5 gr	3/4	3	80 qtz, 17 fels, 1 mica & sch	18		[illegible]	45	34	—		14		—		—		—						20							
													100	60	tr		24		—		5								12					2	13	
													170	6	—		3		—		2								1					tr		
													Total		tr	—	43	45.8	—		1	1.5							33					2	15	
	32	52-DC-18	Riffle gravel		20	10 bio sch, 5 qtz, 5 gr	1	2	70 qtz, 20 fels, 10 bio sch	1		101.4	45	37	tr		8		—										23					1		
													100	53	tr		53		—										15					2	2	
													170	10	tr		7		—		1								1					1		
													Total		tr	—	48	10.3	—		1	2		2					44					4		
		52-DC-79	Bank clay	6	tr	tr qtz	1/2	tr	tr qtz	5	25	17.1	45	1	—		—												1							
													100	6	—		4		—		—								tr					1	1	
													120	93	—		66		—		3								tr				2	1	1	
													Total		—	—	70	2.8	—	—	3	.1							1				2	14	10	
J	33	52-DC-80	Riffle gravel		14	40 bio sch, 30 gr, 25 qtz, 5 fels	6	4	60 qtz, 20 fels, 20 garnet & magn	12	1	266.8	45	79	1		21		—		—		—						52							
													100	20	1		6		—		1		—						4						8	
													170	1	—		1		—		—		—						—							
													Total		2	1.1	28	14.9	—	—	1	.5	—	—					56					tr	13	
	34	52-DC-81	Riffle gravel		10	40 qtz, 40 musc sch, 10 gr, 5 fels, 5 bio sch	3	4	80 qtz, 10 fels, 5 sill sch, 5 mica	18		38.7	45	19	1		12		—		—		1		—				3						—	
													100	70	3		41		—		—		—		—				8					2	10	
													170	11	—		8		—		1		—		—				1					tr	1	
													Total		4	.3	61	5.2		—	1	.08	1	.08	—	—	—	—	14					2	11	
		52-DC-82	Bank silt	—	—	——	—	—	——	2	.30	1.4	45	—	—		—		—		—		—		—				—						—	
													100	—	—		—		—		—		—		—				—						—	
													170	100	tr		16		—		5		—		—				—					6	15	
													Total		tr	—	16	.2	—	—	5	.02	—	—	—		—		—				—	6	15	