(Cont.) Mineral content

Table 7. ~~Descriptions~~ of sediments sampled along Raton 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 (percent of concentrate)	Staurolite (percent of concentrate)	Tourmaline (percent of concentrate)	Amphibole, pyroxene, biotite (percent of concentrate)	Epidote (percent of concentrate)	Quartz (percent of concentrate)	Others (percent of concentrate)
E	18	52-DC-	Riffle		15	80 qtz, 10 gr,	.4	3	70 qtz, 20 fels,	13		108.8	45	36	14		11		1		1		tr													
cont		633	gravel			10 fels			10 gr				100	41	16		18		tr		tr		tr												1	1
													170	[illegible]	5		4				tr															
													Total		[illegible]	2.2	41	3.1	1		1		tr													
		52-DC	Terrace	5	12	90 qtz, 10 fels	.3	1	90 qtz, 10 fels	1	10	12.6	45	[illegible]	1		11				1		tr													
		634	gravel										100	51	15		22		1																	
													170	20	5		10						tr													
													Total		21	.1	16	1.2				[illegible]	tr													
	19	52-DC-	Riffle		9	40 qtz, 30 gr, 10 fels, 10 basic rock, 10 bio sch	2	3	50 qtz, 20 fels, 20 gr, 10 bio sch	21		32.0	45	16	1		10		1																	
		635	sand										100	[illegible]	-		4				tr															
													170	16	4		10		1		1		tr													
													Total		10	.6	[illegible]	4.0	-	.1	1		2													
F	20	52-DC	Riffle		20	50 qtz, 30 gr, 10 fels, 10 bio sch	4	2	60 qtz, 20 fels, 10 bio sch, 10 gr	8		11.4	45	42	1		35				1		1		tr											
		667	gravel										100	41	4		22				1										tr	tr				
													170	4	1		[illegible]		tr		tr		tr													
													Total		6	.1	[illegible]	1.4	tr			.4	1		tr											
	21	52-DC-	Riffle		20	40 qtz, 20 gr, 20 bio sch, 10 fels, 10 basic rock	5	2	60 qtz, 20 fels, 10 gr, 10 bio sch	1		56.8	45	23	-		11		1		tr		1													
		665	gravel										100	62	15		41		1		tr		1													
													170	12	[illegible]		1				tr		tr													
													Total		20	1.5	61	4.5	2	.01	tr		2	.2												
		52-DC-	Bank	5	10	50 gr, 40 qtz, 10 fels	5	2	60 qtz, 30 fels, 10 gr	14	[illegible]	11.2	45	5	-		4		1																	
		666	gravel										100	51	6		36		1																	
													170	38	1		21		2		tr															
													Total		13	.5	61	2.1	10	.4	tr															
	22	52-DC-	Riffle		10	50 qtz, 20 gr, 20 fels, 10 bio sch	1	4	60 qtz, 20 fels, 10 gr, 10 bio sch	20		39.1	32	3	-		1																			
		664	sand										45	[illegible]	tr		[illegible]		tr		1		tr													
													100	60	1		54		1		-		1													
													170	24	6		17		tr		tr		tr													
													Total		13	1.2	25	4.3	1	.08		2	1	[illegible]					8	1						
	23	52-DC	Riffle		19	60 qtz, 20 fels, 10 gr, 10 bio sch	[illegible]	2	50 qtz, 20 fels, 20 bio sch, 10 gr	11		136.4	45	21	2		21		1				1													
		663	gravel										100	38	3		23																			
													170	5	1		3		tr		tr		tr													
													Total		6	1.6	41	[illegible]	1	[illegible]	tr		1													
G	24	52-DC-	Riffle		14	40 qtz, 30 gr, 20 fels, 10 bio sch	2	[illegible]	60 qtz, 20 fels, 10 bio sch, 10 gr	10		11.6	45	20	1		14		2				1													
		662	gravel										100	46	1		20		-		tr		1													
													170	5	1		[illegible]		tr		tr		tr													
													Total		10	.2	41	1.1	4	.11	tr								1							
	25	52-DC-	Riffle		20	50 qtz, 30 gr, 10 fels, 10 bio sch	5	1	60 qtz, 20 fels, 10 bio sch, 10 gr	10		[illegible]	45	45	14		2		-		1															
		661	gravel										100	50	8		10		1																	
													170	6	2		4		tr		tr															
													Total		24	.6	61	[illegible]	1	[illegible]	1															
	26	52-DC-	Riffle		1	60 qtz, 20 gr, 20 fels	4	5	70 qtz, 20 fels, 10 gr	25		2.0	45	22	-		1																			
		660	sand										100	62	-		20																			
													170	4	1		[illegible]		tr																	
													Total		1	.01	21	[illegible]	tr		[illegible]															
	27	52-DC-	Riffle		15	70 qtz, 20 fels, 10 gr	[illegible]	4	60 qtz, 20 fels, 10 bio sch, 10 gr	1		13	45	2	-		11		1																	
		659	gravel										100	74	1		74		tr																	
													170	[illegible]	1		-		tr		tr		tr													
													Total		17	.2	[illegible]	1.0	1	[illegible]	[illegible]															
	28	52-DC	Riffle		18	60 qtz, 20 gr, 20 fels	-	2	60 qtz, 20 fels, 10 gr, 10 bio sch	1		1.4	45	32	tr		31																			
		658	gravel										100	51	3		56																			
													170	4	1		-		tr		[illegible]															
													Total		4	.06	6	.1	tr		[illegible]															
H	32	52-DC-	Riffle		-	No data		-	No data	2		1.8	45	10	tr		8						2							tr				tr	tr	tr
		657	sand										100	58	6		37						4													
													170	17	4		11		tr		tr												tr	tr		
													Total		10	.2	56	.9	tr		tr									tr						tr
		52-DC-	Bank	2	--					.6	2.5	[illegible]	45	tr	-		-						-													
		652	silt										100	67	1		2																			
													170	33	1		8		tr		1		.1													
													Total		2	.001	10	.016	tr		1	.0006	1	.0006					tr							
		52-DC-	Bank	[illegible]	tr	tr qtz, [illegible] fels		1	60 qtz, [illegible] fels, [illegible] gr	13	1	[illegible]	45	tr																						
		653	sand										100	60	-		7						1													
													170	40	1		21		1				-				tr									
													Total		1	.001	28	.03	1	.001			1	.004			tr		tr							
		52-DC-	Bank	6	6	80 qtz, 10 gr, 10 fels	1	1	80 qtz, 20 fels	1	15	1.1	45	21	tr		1		tr		--		3													
		654	clay										100	70	6		35		tr		1		4													
													170	9	3		6		tr		tr		tr											tr	1	
													Total		9	.2	50	1.0	tr	-	1	.02	1	.2					tr				4			
	33	52-DC-	Riffle		10	60 qtz, 20 gr, 10 fels, 10 bio sch	4	2	80 qtz, 10 fels, 10 gr	11		17.4	45	60	15		38		tr																	
		650	gravel										100	35	10		12				tr		1				tr									
													170	4	2		2				tr														tr	tr
													Total		27	5.5	52	10.5	tr	-	tr		1	.2			tr									
	34	52-DC-	Riffle		10	50 gr, 20 qtz, 10 fels, 10 bio sch	2	4	[illegible]	13		10.4	45	23	tr		21				-		1							tr			tr	tr		tr
		649	gravel										100	59	4		20				tr		tr													tr
													170	9	2		4		-		tr														tr	tr
													Total		6	.8	55	1.1	-	-	tr	-	1	.1						tr				tr		tr