(cont.)

Mineral content

Table 7. Descriptions of sediments sampled along Nelson 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
															Percent of concentrate																					
H cont	35	52 DC 648	Riffle sand		3	40 ft., 40 pv., 15 fdsp., 5 bio sch.	5/8	0	50 ft., 30 fdsp., 10 pv., 10 bio sch	22		5.2	45	18			13																			Tr
													100	58			51						1								Tr				1	10
													170	4	Tr		11		Tr		Tr		Tr							Tr			Tr			
													Ftd		Tr		5	0	Tr		Tr									Tr						
I	21	52 DC 651	Riffle gravel		15	40 ft., 30 pv., 20 fdsp., 10 bio sch	.5	2	50 ft., 30 fdsp., 10 pv., 10 bio sch	17		13.21	45	51	4		45				Tr															
													100	51			20				Tr															
													170	5	2						Tr						Tr							Tr	Tr	
													Ftd		9	2.4	48	12.1			Tr						Tr			Tr				Tr		
	30	52 DC 656	Riffle gravel		15	50 ft., 30 pv., 20 fdsp.	.5	3	50 ft., 30 fdsp., 10 pv., 10 bio sch	15		151.4	45	28	2		21				Tr		Tr								Tr					Tr
													100	11	1		1				Tr									Tr	Tr			1		
													170	1	Tr		1				Tr									Tr				Tr	Tr	Tr
													Ftd		5	.7	27	8.8			Tr		Tr							1	1			Tr	Tr	Tr
	31	52 DC 655	Riffle sand		10	40 pv., 30 ft., 20 fdsp., 10 bio sch	1	4	50 ft., 30 fdsp., 20 pv., 10 bio sch	17		41.2	45	19	1		13		Tr				Tr											Tr	Tr	Tr
													100	29	2		22				Tr		Tr										Tr	1	Tr	
													170	3	1		2				Tr													Tr	Tr	
													Ftd		4	.3	42	.4	Tr		Tr		Tr										Tr	Tr		Tr
J	36	52 DC 645	Riffle sand		10	40 pv., 30 ft., 20 fdsp.		1	50 ft., 30 fdsp., 10 pv., 10 bio sch	22		21.2	45	9	Tr		5				Tr		Tr												Tr	
													100	15	Tr		1				Tr															
													170	1	Tr		1				Tr														Tr	
													Ftd		Tr		13	3.0			Tr		Tr											Tr		Tr
	37	52 DC 644	Riffle sand		10	40 pv., 30 ft., 20 fdsp.		1	50 ft., 30 fdsp., 10 pv., 10 bio sch	24		27.5	45	1	1		6				Tr		Tr												Tr	Tr
													100	31	2		31						Tr											Tr	1	
													170	12	2		9																		1	
													Ftd		5	.3	45	2.7					Tr							Tr				Tr		Tr
K	38	52 DC 643	Riffle sand		5	10 pv., 20 ft., 10 fdsp.	3/4	5	50 ft., 40 fdsp., 10 pv., 10 bio sch	20		114.4	45	14	Tr		12				Tr													Tr		Tr
													100	21			15				Tr												Tr	Tr		
													170	2	Tr		2				Tr													Tr	Tr	
													Ftd		Tr		27	11.2			Tr												Tr	Tr		Tr
	1	52 DC 640	Riffle sand		2	40 ft., 30 pv., 20 fdsp., 10 bio sch	3/4	5	50 ft., 20 fdsp., 10 pv., 10 bio sch	21		1.1	45	35			2		Tr																		
													100	22			10																			
													170	3	Tr		1				Tr		1										Tr	Tr	1	Tr
													Ftd		Tr		11	.3	Tr		Tr		1												1	Tr

Mineralogical analyses by: H. B. Broom, for K. P. Monzies, for one Stream, C. of Spokane.