Analytical Method →			Atomic Absorption Spectrophotometry					Semiquantitative Emission Spectrography[2]																																		
SAMPLE TYPE[1]	MAP NO.	FIELD NO.	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Ag (ppm)	Co (ppm)	Cr (ppm)	Ni (ppm)	Mn (ppm)	Ti (ppm)	Fe (%)	Mg (%)	Ca (%)	Ba ppm	Sr (ppm)	B (ppm)	Be (ppm)	Sn (ppm)	W (ppm)	Zr (ppm)	La (ppm)	Nb (ppm)	Sc (ppm)	Y (ppm)	V (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cd (ppm)	Au (ppm)	Creek Width	Sample Site[3]	Organic Content	Sediment Size[4]	Rock Types in Float and Remarks[5]	MAP NO.
			Ambler River A-1 quad																																								
Str. Sed	1	72R34	NA[6]	NA	20	15	80	10	15	ND[7]	ND	.5	20	100	50	700	7000	7	1.5	.7	700	ND	70	1.5	ND	ND	300	20	10	20	30	150	ND	ND	ND	ND	ND	14	B		3	TILL 100%	1
" "	2	72R1	NA	NA	25	20	85	30	30	ND	ND	ND	30	70	50	1000	1.0	7	1	2	700	100	70	1.5	ND	ND	300	70	10	20	50	150	ND	ND	ND	ND	ND	30	B	MD	3	QMS 100%	2
" "	3	72R2	NA	NA	35	20	85	30	30	ND	ND	ND	30	100	100	700	7000	7	1.5	.7	300	ND	50	1	ND	ND	200	30	10	20	50	200	ND	ND	ND	ND	ND	10	B	MD	3	QMS 100%	3
" "	4	72Z99	NA	NA	35	15	110	30	20	ND	ND	ND	15	150	50	700	3000	5	2	.5	500	100	30	ND	ND	ND	100	20	ND	20	30	100	ND	ND	ND	ND	ND	10	B	MD	3		4
" "	5	72R10	NA	NA	60	30	180	20	50	ND	ND	ND	20	100	70	700	3000	5	1.5	.7	700	ND	30	1	ND	ND	150	20	10	15	20	200	ND	ND	ND	ND	ND	10	B	LO	3	QMS 90% GNSC 10%	5
" "	6	72R9	NA	NA	50	20	85	30	50	ND	ND	ND	20	100	70	1000	7000	7	1.5	1.5	1000	ND	70	1.5	ND	ND	300	30	10	20	30	200	ND	ND	ND	ND	ND	12	B	LO	3	QMS 90% GNSC 10%	6
" "	7	72R105	NA	NA	15	15	40	10	15	ND	ND	ND	10	20	15	700	3000	3	1	.5	300	100	30	1	ND	ND	200	30	ND	10	20	50	ND	ND	ND	ND	ND	dry	B	LO	2	MARB SCH	7
" "	8	72R104	NA	NA	70	25	95	70	30	200	ND	ND	30	100	100	700	3000	7	1.5	.5	700	100	50	1	ND	ND	150	50	ND	15	50	150	ND	ND	ND	ND	ND	4	B	MD	2	SCH	8
" "	9	72Z97	NA	NA	75	30	145	70	50	200	ND	1	20	150	70	700	3000	5	1.5	.2	1000	ND	50	1	ND	ND	200	50	20	20	50	200	ND	ND	ND	ND	ND	10	B	MD		SCH 70% QTZT 30%	9
" "	10	72Z98	NA	NA	60	35	150	50	30	200	ND	ND	20	150	50	300	2000	5	2	.2	1000	ND	30	ND	ND	ND	150	50	ND	15	30	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 70% QTZT 30%	10
" "	11	72R103	NA	NA	70	40	290	30	30	300	ND	ND	50	70	70	300	2000	3	1	.1	500	ND	20	ND	ND	ND	70	50	ND	7	50	70	ND	ND	ND	ND	ND	8	B	MD	2	SCH	11
" "	12	72Z95	NA	NA	110	_50_	_940_	50	70	700	ND	1	70	100	100	500	2000	5	1	.2	1500	ND	70	1	ND	ND	150	100	ND	20	30	150	ND	ND	ND	ND	ND	10	B	MD	3	SCH 100%	12
" "	13	72Z96	NA	NA	55	15	65	50	30	ND	ND	1	70	100	20	500	2000	3	1	.1	300	100	30	1.5	ND	ND	100	30	ND	20	30	150	ND	ND	ND	ND	ND	10	B	MD	3	SCH 100%	13
" "	14	72R106	NA	NA	20	15	110	10	10	ND	ND	ND	10	50	30	500	3000	3	1	1	300	100	30	1	ND	ND	200	30	ND	10	20	70	ND	ND	ND	ND	ND	15	A	MD	3	SCH MARB TILL	14
" "	15	72Z6	NA	NA	30.	20	90	10	15	ND	ND	ND	20	70	70	700	1.0	7	1.5	1.5	700	ND	50	1.5	ND	ND	300	150	10	20	50	150	ND	ND	ND	ND	ND	8	B	LO	3	SCH 98% QTZT 2%	15
" "	16	72BR6	NA	NA	65	30	110	30	15	ND	ND	ND	30	150	70	1000	7000	7	1.5	1.5	1500	ND	50	1	ND	ND	200	30	10	30	30	200	ND	ND	ND	ND	ND	8	B	LO	3		16
" "	17	72BR7	NA	NA	50	35	125	20	20	ND	ND	ND	30	100	100	700	5000	5	1.5	7	700	ND	70	1	ND	ND	200	30	10	15	30	150	ND	ND	ND	ND	ND	2	C	LO	3	SCH 90% VQTZ 5%	17
" "	18	72Z11	NA	NA	40	10	105	10	15	ND	ND	ND	20	100	70	500	3000	7	1.5	.7	700	ND	70	1.5	ND	ND	300	30	10	15	30	200	ND	ND	ND	ND	ND	5	B	MD	3		18
" "	19	72BR10	NA	NA	25	15	85	15	15	ND	ND	.5	15	70	50	700	5000	5	1	1	700	ND	70	1.5	ND	ND	300	50	10	15	30	150	ND	ND	ND	ND	ND						19
" "	20	72Z10	NA	NA	30	10	95	15	15	ND	ND	ND	20	150	70	700	7000	7	2	1	1000	ND	150	1.5	ND	ND	300	50	10	20	50	200	ND	ND	ND	ND	ND	5	B	MD	2		20
" "	21	72BR9	NA	NA	_170_	_75_	_370_	100	100	300	ND	.7	10	30	30	700	5000	3	1.5	.5	1000	ND	20	1.5	ND	ND	500	70	10	15	70	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH	21
" "	22	72Z7	NA	NA	90	30	_360_	70	70	300	ND	.5	70	100	150	1000	5000	7	1.5	.5	1000	ND	50	1.5	ND	ND	500	200	10	15	150	150	ND	ND	ND	ND	ND	10	B	MD	3	SCH 50% GR 30% QTZT 20%	22
" "	23	72Z8	NA	NA	100	25	95	50	30	ND	ND	.5	20	150	70	700	7000	7	1.5	.5	700	ND	70	1	ND	ND	300	100	10	20	100	200	ND	ND	ND	ND	ND	15	B	MD	3	SCH 80% QTZT 20%	23
Soil	24	72BI5	NA	NA	5	_45_	10	10	50	ND	ND	ND	ND	10	5	150	3000	3	1	.05	1000	ND	20	3	ND	ND	700	20	10	7	ND	30	ND	ND	ND	ND	ND			LO	2		24
Str. Sed.	25	72Z9	NA	NA	75	25	145	30	70	200	ND	ND	20	100	70	700	5000	7	2	2	1500	150	30	1.5	ND	ND	150	30	10	20	30	200	ND	ND	ND	ND	ND	8	B	MD	3		25
" "	26	72BR8	NA	NA	65	15	140	30	15	ND	ND	ND	50	100	100	1000	1.0	10	1	.7	300	ND	70	1	ND	ND	500	150	10	30	150	150	ND	ND	ND	ND	ND	8	B	MD	3	SCH	26
" "	27	72Z79	NA	NA	130	20	140	100	20	200	ND	ND	30	100	50	700	3000	5	1	.15	500	ND	50	1	ND	ND	100	150	ND	15	100	100	ND	ND	ND	ND	ND	10	B	MD	3	SCH 100%	27
" "	28	72BR56	NA	NA	15	10	40	70	20	ND	ND	ND	15	70	30	500	3000	3	.7	.3	500	ND	30	1	ND	ND	150	50	ND	15	30	100	ND	ND	ND	ND	ND						28
" "	29	72Z72	NA	NA	55	20	95	70	50	ND	ND	.5	30	100	70	700	3000	5	2	.5	700	100	50	1	ND	ND	100	50	ND	15	30	150	ND	ND	ND	ND	ND	10	B	LO	3	SCH 100%	29
" "	30	72BR64	NA	NA	30	20	55	70	20	ND	ND	ND	20	70	30	700	5000	5	1.5	.7	500	100	30	1	ND	ND	150	30	20	15	30	100	ND	ND	ND	ND	ND						30
" "	31	72BR57	NA	NA	20	10	50	50	15	ND	ND	ND	15	50	30	500	3000	3	.7	.5	300	ND	30	1	ND	ND	200	30	ND	15	30	100	ND	ND	ND	ND	ND						31
" "	32	72Z92	NA	NA	65	30	70	50	30	ND	ND	1	7	100	30	500	2000	5	1.5	.15	700	100	50	1.5	ND	ND	200	100	ND	20	50	150	ND	ND	ND	ND	ND		B	MD	3	SCH 100%	32
" "	33	72Z93	NA	NA	95	35	180	70	30	300	ND	1.5	100	100	150	1000	3000	5	1.5	.2	700	100	50	1	ND	ND	150	500	ND	20	200	200	ND	ND	ND	ND	ND		B	MD	3	SCH 100%	33
" "	34	72R101	NA	NA	40	10	65	50	20	ND	ND	.5	20	70	50	700	3000	5	1	2	500	100	70	1.5	ND	ND	150	50	ND	15	30	150	ND	ND	ND	ND	ND	3	B	HI	3	SCH	34
" "	35	72B8	NA	NA	90	20	70	70	20	ND	ND	ND	30	100	70	500	2000	7	1.5	.15	500	100	50	1	ND	ND	150	70	ND	20	50	100	ND	ND	ND	ND	ND	12	A	MD	3	SCH 100%	35
" "	36	72E9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						36
" "	37	72B9	NA	NA	25	20	70	20	20	ND	ND	ND	20	100	50	700	3000	7	2	.5	500	100	30	ND	ND	ND	150	30	ND	20	30	100	ND	ND	ND	ND	ND	8	B	MD	2	SCH 60% GR 30% MARB 10%	37
" "	38	72Z70	NA	NA	45	40	120	50	70	ND	ND	.5	30	100	50	500	2000	5	2	1	700	150	50	1	ND	ND	70	50	ND	15	30	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 80% MARB 20%	38
" "	39	72BR50	NA	NA	30	35	110	70	70	ND	ND	ND	20	70	30	700	7000	5	1	2	300	150	50	1	ND	ND	300	50	ND	15	30	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 70% MARB 30%	39
" "	40	72Z69	NA	NA	40	20	45	20	20	ND	ND	.5	10	50	20	500	2000	3	.7	.15	500	100	50	2	ND	ND	300	50	ND	15	30	70	ND	ND	ND	ND	ND	5	B	LO	3	SCH 80% MARB 20%	40
" "	41	72BR51	NA	NA	50	10	45	50	20	ND	ND	ND	20	50	20	500	5000	5	.7	.15	500	ND	50	1	ND	ND	200	50	ND	15	50	100	ND	ND	ND	ND	ND	8	A	MD	3	SCH 100%	41
" "	42	72BR52	NA	NA	25	25	75	70	20	ND	ND	ND	20	70	30	500	5000	5	1	1	500	150	50	1	ND	ND	200	50	ND	15	30	150	ND	ND	ND	ND	ND						42
" "	43	72Z71	NA	NA	40	25	70	50	50	ND	ND	.7	30	100	30	700	5000	5	2	.3	700	100	70	1.5	ND	ND	300	70	20	20	50	150	ND	ND	ND	ND	ND	5	B	LO	3	SCH 80% MARB 20%	43
" "	44	72BR53	NA	NA	30	15	55	100	20	ND	ND	.7	30	100	30	1000	1.0	7	1	.5	500	100	50	1	ND	ND	300	30	20	20	50	150	ND	ND	ND	ND	ND						44
" "	45	72E2	NA	NA	120	35	275	70	30	200	ND	ND	70	150	150	1000	5000	7	2	1.5	700	ND	50	1.5	ND	ND	150	150	10	20	70	200	ND	ND	ND	ND	ND						45
" "	46	72E1	NA	NA	85	25	180	70	30	ND	ND	ND	50	150	150	700	7000	10	2	1.5	700	100	50	1.5	ND	ND	300	150	10	30	70	200	ND	ND	ND	ND	ND						46
" "	47	72BR2	NA	NA	60	25	150	30	50	ND	ND	1.5	30	150	100	700	5000	7	2	.7	700	ND	50	1	ND	ND	150	30	10	30	30	200	ND	ND	ND	ND	ND	8	A	MD	3	SCH 100%	47
" "	48	72R45	NA	NA	55	15	115	30	20	ND	ND	ND	30	150	100	700	7000	7	3	2	700	ND	20	1	ND	ND	200	30	10	30	50	200	ND	ND	ND	ND	ND	6	B	MD	2	QMS 100%	48
" "	49	72R44	NA	NA	40	15	100	30	50	ND	ND	ND	30	150	100	700	1.0	10	2	1.5	700	ND	100	1	ND	ND	150	50	10	30	50	200	ND	ND	ND	ND	ND	11	B	MD	2	QMS 100%	49
" "	50	72R42A	NA	NA	45	20	80	30	30	ND	ND	ND	20	70	50	700	5000	7	1.5	1.5	700	100	30	1.5	ND	ND	150	70	10	15	30	150	ND	ND	ND	ND	ND	8	B	LO	3	QMS 95% GNSC 5%	50
" "	51	72R43	NA	NA	35	10	55	15	20	ND	ND	ND	15	70	50	1000	5000	7	1.5	2	700	100	30	1	ND	ND	200	30	10	15	30	150	ND	ND	ND	ND	ND	8	B	MD	2	QMS 100%	51
" "	52	72R46	NA	NA	45	20	250	20	30	200	ND	ND	30	70	100	1000	3000	5	1.5	.5	1000	ND	30	1.5	ND	ND	200	300	10	15	300	100	ND	ND	ND	ND	ND	6	B	MD	2	QMS 100%	52
" "	53	72R47	NA	NA	55	20	140	15	20	ND	ND	ND	30	100	70	700	3000	1.5	1	.5	1000	ND	30	1	ND	ND	150	30	10	15	50	150	ND	ND	ND	ND	ND	10	B	LO	2	QMS 100%	53
" "	54	72R48	NA	NA	60	25	200	30	50	200	ND	1	70	100	150.	1000	5000	10	1.5	.5	1000	ND	50	1.5	ND	ND	200	150	10	15	70	150	ND	ND	ND	ND	ND	8	B	MD	2	QMS 100%	54
			Ambler River A-2 & A-3 quads																																								
Str. Sed	55	72BR54	NA	NA	10	10	50	50	15	ND	ND	ND	7	50	20	700	5000	3	.5	.5	500	100	30	1	ND	ND	200	30	20	10	50	100	ND	ND	ND	ND	ND						55
" "	56	72BR55	NA	NA	5	10	45	70	20	ND	ND	ND	7	70	15	300	2000	2	.7	.3	500	100	30	1	ND	ND	150	30	ND	10	20	70	ND	ND	ND	ND	ND						56
Soil	57	72E95	NA	NA	40	10	65	30	20	ND	ND	ND	30	150	70	700	3000	5	1.5	.2	500	100	50	ND	ND	ND	150	50	ND	20	50	150	ND	ND	ND	ND	ND						57
"	58	72E105	NA	NA	20	5	55	10	20	ND	ND	ND	50	70	30	1000	2000	3	.7	.15	300	100	30	1	ND	ND	200	50	ND	20	30	100	ND	ND	ND	ND	ND						58
Str. Sed.	59	72BR92	NA	NA	10	20	65	7	20	ND	ND	ND	10	100	50	200	2000	3	.7	.15	300	100	50	1	ND	ND	200	30	ND	15	30	100	ND	ND	ND	ND	ND	8	A	LO	3		59
" "	60	72BR93	NA	NA	60	20	85	50	20	ND	ND	ND	20	70	70	500	2000	3	.7	.3	700	100	50	1	ND	ND	150	30	20	15	30	150	ND	ND	ND	ND	ND	8	C	LO	3	SCH 100%	60
" "	61	72BR94	NA	NA	65	30	125	50	50	200	ND	.7	30	150	70	500	2000	5	1.5	.15	700	ND	30	1	ND	ND	150	50	ND	20	50	100	ND	ND	ND	ND	ND	8	C	MD	3	SCH	61
" "	62	72BR95	NA	NA	35	10	85	20	10	ND	ND	.7	10	70	50	500	2000	3	1	.3	500	100	50	1	ND	ND	200	20	ND	15	20	150	ND	ND	ND	ND	ND	8	C	LO	3	SCH 100%	62
Soil	63	72E115	NA	NA	40	10	55	20	20	ND	ND	.5	10	70	50	300	2000	3	1	.2	700	ND	50	1	ND	ND	150	50	ND	15	20	150	ND	ND	ND	ND	ND						63
Str. Sed.	64	72R49	NA	NA	45	20	130	10	30	ND	ND	ND	30	100	70	700	5000	7	1	.7	700	ND	30	1.5	ND	ND	150	100	10	15	50	150	ND	ND	ND	ND	ND	20	A	MD	3	SCH 100%	64
" "	65	72R50	NA	NA	40	15	80	15	30	ND	ND	ND	20	100	70	700	5000	7	1.5	1.5	700	ND	50	1	ND	ND	200	30	10	20	300	150	ND	ND	ND	ND	ND	3	B	LO	2	SCH 70% GNSC 20% VQTZ 10%	65
" "	66	72BR101	NA	NA	_200_	_145_	_830_	100	200	500	ND	2	30	70	70	500	2000	5	1	.5	1000	ND	10	ND	ND	ND	200	50	ND	15	30	100	ND	ND	ND	ND	ND	8	A	MD	3	SCH 100%	66
" "	67	72BR5	NA	NA	35	30	110	15	70	ND	ND	.7	20	70	50	500	5000	5	2	.5	700	ND	30	1.5	ND	ND	200	70	10	15	30	150	ND	ND	ND	ND	ND	8	B	MD	3	SCH 100%	67
" "	68	72BR96	NA	NA	50	_45_	250	30	30	300	ND	ND	50	70	100	500	2000	5	1	.2	700	100	20	1	ND	ND	200	100	ND	15	50	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 100%	68
" "	69	72BR97	NA	NA	_145_	_100_	_480_	200	100	500	ND	.5	10	70	50	200	2000	5	1	.1	1000	ND	20	1	ND	ND	300	70	ND	10	50	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 100%	69
" "	70	72Z33	NA	NA	90	20	70	150	20	ND	ND	ND	30	150	70	1000		7	3	2	1500	ND	70	1	ND	ND	200	30	10	30	50	300	ND	ND	ND	ND	ND	5	B	LO	2	SCH 100%	70
" "	71	72Z32	NA	NA	40	30	40	15	50	ND	ND	ND	20	100	70	500	3000	5	1	1	500	ND	50	1	ND	ND	150	50	1	20	30	150	ND	ND	ND	ND	ND	5	B	MD	3	SCH 100%	71
" "	72	72R57	NA	NA	70	20	90	30	15	ND	7	ND	30	150	70	700	7000	10	2	1.5	1500	ND	70	1	ND	ND	300	50	10	20	50	200	ND	ND	ND	ND	ND	10	B	MD	3	QMS 80% GNSC 20%	72
" "	73	72Z31	NA	NA	70	30	80	15	15	ND	ND	ND	7	50	30	300	3000	3	.7	.3	700	ND	70	1.5	ND	ND	150	20	ND	15	20	150	ND	ND	ND	ND	ND	5	B	LO	3	SCH 100%	73
" "	74	72R56A	NA	NA	10	20	90	5	15	ND	ND	ND	7	15	10	700	7000	7	1	1.5	700	150	ND	1.5	ND	ND	300	50	15	10	30	100	ND	ND	ND	ND	ND	15	B	MD	2	TILL	74
" "	75	72BR68	NA	NA	30	30	75	20	30	ND	ND	.5	30	50	30	300	2000	3	.7	.15	300	ND	20	1	ND	ND	100	30	ND	10	20	70	ND	ND	ND	ND	ND	8	A	LO	3	SCH	75
" "	76	72Z12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	B	LO	3	SCH 100%	76
" "	77	72Z83	NA	NA	20	20	90	30	20	ND	ND	ND	10	100	30	500	2000	3	1.5	1	700	100	30	1	ND	ND	100	20	ND	10	20	100	ND	ND	ND	ND	ND	10	B	LO	3		77
" "	78	72BR69	NA	NA	30	15	70	20	20	ND	ND	ND	20	100	50	700	3000	5	1.5	.7	700	100	30	1	ND	ND	100	30	ND	20	30	150	ND	ND	ND	ND	ND	10	A	LO	3	SCH 100%	78
" "	79	72BR86	NA	NA	40	20	95	30	20	ND	ND	.5	10	70	50	500	2000	3	1	.2	700	100	50	1	10	ND	150	30	ND	10	20	100	ND	ND	ND	ND	ND	10	B	LO	3	SCH	79
" "	80	72R123	NA	NA	15	15	60	20	20	ND	ND	.5	10	70	50	500	3000	5	1	.3	1000	100	70	1	ND	ND	300	50	20	10	30	150	ND	ND	ND	ND	ND	10	B	MD	2	SCH	80
			Ambler River B-3 quad																																								
" "	81	72BR85	NA	NA	25	15	75	15	20	ND	ND	.5	10	70	30	500	2000	3	.7	.2	1000	100	50	1	ND	ND	150	30	ND	15	15	100	ND	ND	ND	ND	ND	10	A	LO	3	SCH	81
" "	82	72R122	NA	NA	40	20	85	15	15	ND	ND	.5	7	50	30	700	2000	2	.7	.3	1000	100	50	1	ND	ND	150	30	ND	10	20	100	ND	ND	ND	ND	ND	8	B	HI	3	SCH	82
" "	83	72R121	NA	NA	40	20	100	20	15	ND	ND	1.5	10	70	50	500	2000	3	1.5	.5	1500	100	70	1	ND	ND	150	50	ND	15	30	100	ND	ND	ND	ND	ND	12	B	HI	3	SCH	83
" "	84	72BR84	NA	NA	20	20	75	10	15	ND	ND	ND	7	50	30	200	1500	3	.7	.1	700	ND	50	1	ND	ND	200	30	ND	10	20	100	ND	ND	ND	ND	ND	10	A	LO	3	SCH	84
" "	85	72R120	NA	NA	25	10	80	20	20	ND	ND	1	10	70	50	200	2000	3	1	.1	700	ND	70	1	ND	ND	150	50	ND	10	30	100	ND	ND	ND	ND	ND	10	B	MD	2	SCH	85
" "	86	72BR83	NA	NA	25	20	80	20	20	ND	ND	.5	10	70	30	150	1500	3	.5	.1	700	ND	50	1	ND	ND	150	50	ND	10	20	100	ND	ND	ND	ND	ND	10	B	LO	3	SCH GNSC	86
" "	87	72R119	NA	NA	40	40	310	30	50	300	ND	1	15	70	50	500	2000	3	1	.15	1000	ND	50	1.5	10	ND	200	50	ND	10	50	70	ND	ND	ND	ND	ND	10	B	MD	2	SCH 100%	87
" "	88	72R118	NA	NA	40	25	145	10	10	ND	ND	ND	10	20	15	700	3000	3	1	.5	200	100	50	1	ND	ND	150	20	ND	15	30	70	ND	ND	ND	ND	ND	12	B	MD	2	SCH 100%	88
" "	89	72R116	NA	NA	_170_	_240_	310	100	300	300	ND	1.5	15	70	20	500	2000	3	1	.15	1000	ND	20	1.5	10	ND	200	30	ND	10	30	100	ND	ND	ND	ND	ND	8	B	MD	3	SCH 100%	89
" "	90	72Z136	NA	NA	100	_120_	280	70	300	300	5	1	15	100	30	300	2000	5	1	.1	700	ND	50	1	ND	ND	200	50	ND	10	30	150	ND	ND	ND	ND	ND	10	B	MD	3	SCH 100%	90
" "	91	72R117	NA	NA	140	_180_	280	10	100	200	ND	1.5	10	100	30	300	2000	3	1	.2	700	ND	30	1	ND	ND	100	50	ND	15	50	100	ND	ND	ND	ND	ND	10	B	LO	2	SCH 100%	91
" "	92	72Z137	NA	NA	20	15	90	20	20	ND	ND	.7	20	70	50	1000	3000	5	1	.15	300	ND	50	1	ND	ND	200	50	ND	15	30	100	ND	ND	ND	ND	ND	10	B	MD	2	SCH 95% MAFIC 5%	92
" "	93	72R115	NA	NA	20	5	35	30	20	ND	ND	ND	10	70	30	500	5000	5	1	.15	500	100	50	ND	ND	ND	300	50	ND	20	50	150	ND	ND	ND	ND	ND	3	B	LO	3	SCH 100%	93
" "	94	72Z135	NA	NA	10	20	75	10	20	ND	ND	ND	7	20	15	500	3000	3	.5	.1	200	ND	30	1	ND	ND	200	50	ND	7	30	70	ND	ND	ND	ND	ND	10	B	MD	2	SCH 80% QTZT 20%	94
" "	95	72R114	NA	NA	15	5	25	20	20	ND	ND	ND	15	70	20	700	3000	5	1	.2	500	100	30	1	ND	ND	200	50	ND	15	30	100	ND	ND	ND	ND	ND	3	B	HI	3	SCH 100%	95
" "	96	72R129	NA	NA	15	15	40	15	30	ND	ND	.5	7	70	50	150	3000	5	1	.2	1000	100	100	1	ND	ND	200	50	ND	15	30	150	ND	ND	ND	ND	ND	12	B	HI	3	TILL SCH	96
" "	97	72BR91	NA	NA	15	25	160	30	30	200	ND	ND	30	100	100	500	2000	3	1	.15	300	100	30	1	ND	ND	150	100	ND	10	30	100	ND	ND	ND	ND	ND	10	B	LO	3	SCH 100%	97
" "	98	72R128	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	B	LO	3	NO FLOAT	98
" "	99	72BR90	NA	NA	20	15	50	30	20	ND	ND	ND	10	50	20	500	2000	3	.7	.15	500	ND	30	1	ND	ND	150	30	ND	10	50	70	ND	ND	ND	ND	ND	10	B	LO	2		99
" "	100	72R127	NA	NA	20	15	55	20	30	ND	ND	ND	10	20	20	700	3000	5	1	.3	700	ND	30	1.5	ND	ND	200	50	ND	10	20	100	ND	ND	ND	ND	ND	5	B	LO	3	NO FLOAT	100
" "	101	72BR89	NA	NA	20	15	40	15	20	ND	ND	ND	10	30	20	500	3000	3	.5	.2	300	100	30	1	ND	ND	200	70	ND	10	20	50	ND	ND	ND	ND	ND	10	D	LO	2		101
" "	102	72Z56	NA	NA	10	20	35	15	30	ND	ND	1.5	10	30	30	700	3000	3	2	3	700	500	30	1.5	ND	ND	200	70	ND	7	20	50	ND	ND	ND	ND	ND	15	B	MD	3	GR 70% MARB 30%	102
" "	103	72R126	NA	NA	35	20	50	30	30	ND	ND	ND	20	70	30	1000	3000	5	1.5	.2	700	ND	50	1.5	ND	ND	150	50	ND	10	50	100	ND	ND	ND	ND	ND	6	B	LO	3	SCH 100%	103
" "	104	72BR88	NA	NA	25	20	40	20	20	ND	ND	.5	10	30	20	700	1500	3	.5	.1	300	ND	20	1	10	ND	100	50	ND	10	20	50	ND	ND	ND	ND	ND	8	D	MD	2		104
" "	105	72Z53	NA	NA	10	40	30	5	10	ND	ND	ND	ND	10	15	700	1000	1	1.5	20	70	100	ND	N	ND	ND	30	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	5	B	MD	2	MARB 80% GR 20%	105
" "	106	72R84	NA	NA	5	10	15	7	15	ND	ND	.5	7	20	15	700	3000	3	.7	.7	700	300	10	1.5	ND	ND	150	50	ND	7	10	100	ND	ND	ND	ND	ND	10	B	MD	2	GR	106
" "	107	72R86	NA	NA	25	25	25	7	20	ND	ND	ND	7	30	15	700	3000	5	1.5	7	300	ND	50	1.5	ND	ND	200	30	10	10	50	100	ND	ND	ND	ND	ND	15	B	MD	2	MARB 90% GR 10%	107
" "	108	72R85	NA	NA	5	15	15	5	15	ND	ND	ND	5	15	15	500	3000	3	.7	1	700	300	10	1	ND	ND	300	100	ND	ND	20	100	ND	ND	ND	ND	ND	10	B	MD	2	MARB 60% GR 40%	108
" "	109	72Z55	NA	NA	20	25	50	10	30	ND	ND	ND	7	20	10	700	2000	3	.7	.7	700	150	15	2	ND	ND	150	30	10	10	20	100	ND	ND	ND	ND	ND	5	B	MD	3	GR 80% MARB 10% SKRN 10%	109
" "	110	72Z54	NA	NA	5	15	15	7	20	ND	ND	ND	5	15	15	700	3000	3	.7	.7	700	500	10	1.5	ND	ND	200	70	ND	7	15	100	ND	ND	ND	ND	ND	5	B	MD	3	MARB 60% GR 40%	110
" "	110A	73Z16	NA	NA	30	30	65	Emission Spectrographic Data For These Samples Not Available At Time of Report																																5	B	MD	3	MARB VQTZ	110A
" "	110B	73Z17	NA	NA	60	20	115																															5	B	MD	3		110B
" "	110C	73Z18	NA	NA	50	25	95																															dry	C	LO	3	MARB	110C
" "	110D	73Z19	NA	NA	30	25	70																															5	B	MD	3	MARB CASC	110D
" "	110E	73Z20	NA	NA	35	30	105																															15	B	MD	3	CHSC MARB	110E
" "	110F	73Z21	NA	NA	25	20	65																															5	B	MD	3		110F
" "	110G	73Z22	NA	NA	15	15	50																															5	B	MD	3		110G
" "	110H	73Z25	NA	NA	10	10	60																															15	B	MD	3		110H
" "	110I	73Z187	NA	NA	20	30	55																															15	B	MD	3		110I
" "	110J	73Z188	NA	NA	20	30	125																															5	B	MD	3		110J
" "	110K	73Z189	NA	NA	20	25	65																															5	B	MD	3		110K
" "	110L	73Z190	NA	NA	20	30	190																															15	B	MD	3		110L
" "	110M	73Z192	NA	NA	25	30	30																															15	B	MD	3		110M
" "	110M	73Z191	NA	NA	20	25	170																															5	B	MD	3		110N
Threshold[8]					145	45	320	Threshold values not determined for Emission Spectrography analyses																																			
Limits of Detection					1.0	5	1	5	10	200	5	0.5	5	5	5	10	0.001%	0.05%	0.02%	0.05%	20	100	10	1	10	50	10	20	10	5	10	10	200	100	10	20	10						
Approximate Local Background[9]					33	24	72	Background values not determined for Emission Spectrography analyses																																			
Continental Crustal Average[10]			0.00X	0.07	55	12.5	70	55	12.5	70	1.5	0.07	25	100	75	950	0.57%	5.6%	2.3%	4.1%	425	375	10	2.8	2	1.5	165	25	20	22	33	135	1.8	0.2	0.17	0.2	0.00X						

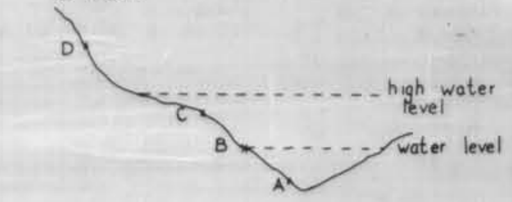
Explanation

1. Sample Type: Stream Sediment
   Soil
   Rock

2. Semiquantatative Emission Spectrography: Values reported are in parts per million (ppm) except values for Iron (Fe), Magnesium (Mg), and Calcium (Ca) which are reported in percent (%). Titanium (Ti) is reported in ppm except that values of 10,000 ppm or greater are reported in percent.

   Data are reported as geometric midpoints (1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, ... etc.) of geometric intervals having the limits 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, ... etc.. For example, a reported value of 1.0 is between the limits 0.83 and 1.2.

3. Sample Site: Location of sample relative to creek



4. Sediment Size: 1 - gravel size or larger
   2 - sand
   3 - silt, mud

5. Approximate percentages of various rock types in stream. Abbreviations are as follows:

   CASC - calc-schist
   CHSC - chlorite schist
   DOL - dolomite
   ECLG - eclogite
   GNSC - greenschist
   GR - granite
   MARB - marble
   MV - metavolcanic
   PHYL - phyllite
   QMS - quartz-mica schist
   QTZT - quartzite
   SCH - schist
   SKRN - skarn
   TILL - glacial till

6. NA: Not Analyzed

7. ND: Not Detected at specified limit of detection.

8. Thresholds of copper, lead and zinc (A A analysis) values were determined by inspection of cumulative frequency curves. Underlined values are at or above threshold and are anomalous.

9. Background values for copper, lead, and zinc, determined by inspection of cumulative frequency curves.

10. Crustal averages from Krauskopf K B 1967 Introduction to Geochemistry: McGraw-Hill, p 638-640.

11. Map No's. 170 and 181 omitted.

Samples were collected by J.T. Larson, W.S. Roberts, J.M. Zdepski, G.R. Eakins, G.H. Pessel, and R.E. Garland, 1972, and by J.M. Zdepski, 1973. Atomic Absorption analyses on 1972 and 1973 samples were made by T.C. Trible and W.W. McClintock, A.D.G.G.S.. Emission Spectrographic analyses on 1972 samples were made by R Babcock, B Crim, K J Curry, C Forn, H Meier, D Siems and C Smith, U.S. Geological Survey

State of Alaska
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

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Geochemical Analysis of Stream Sediment Samples from the Ambler River A-1, A-2, A-3, B-1, B-2, B-3, C-1, C-2 & C-3 Quadrangles, Alaska

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