CH27-Sheet 5

ALASKA DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

GEOCHEMICAL REPORT 27

ANALYSES OF STREAM SEDIMENT AND SOIL SAMPLES FROM THE CRAIG A-2 QUADRANGLE AND VICINITY

Map Number	Field Number	ATOMIC ABSORPTION SPECTROSCOPY			SEMIQUANTITATIVE EMISSION SPECTOGRAPHY [3]																				SAMPLING DATA						Map Number
		Cu (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)	Pb (ppm)	Mo (ppm)	Ag (ppm)	Co (ppm)	Cr (ppm)	Ni (ppm)	Mn (ppm)	Fe (%)	Mg (%)	Ca (%)	Ba (ppm)	Sr (ppm)	B (ppm)	Be (ppm)	Sn (ppm)	W (ppm)	Sc (ppm)	V (ppm)	Sb (ppm)	Stream Width Ft.	Sample Location [4]	Organic Content [5]	Grain Size [6]	Bedrock [7]	Percentages of Rock Types in Float and Remarks [7]	
471	71L264	40	40	80	50	20	10	ND	20	500	100	1000	5	5	10	500	50	20	1	ND	ND	20	50	500	2	B	MD	M	MARB	MARB 80 GNST 10 PHYL 10	471
472	71L263	35	25	50	50	20	2	ND	20	200	100	500	2	5	1	2000	50	20	1	ND	ND	50	100	200	3	A	MD	M	MARB	MARB 70 GNST 30 UNDERGROUND SPRING	472
473	71L245	40	30	100	20	10	5	ND	20	100	50	1000	2	2	5	500	50	20	1	ND	ND	20	100	ND	3	A	MD	M	MARB	MARB 55 GNST 35 DI 5 AND 5	473
474	71L244	40	25	85	50	20	20	ND	50	200	100	1000	5	5	5	1000	ND	20	1	ND	ND	50	100	200	1	B	HI	F	MARB	MARB 55 GNST 40 DI 5	474
475	71L258	40	20	70	50	10	ND	ND	50	20	20	1000	2	1	5	100	50	5	1	ND	ND	20	50	ND	1	A	MD	C	GNST	GNST 95 DI 5	475
476	71J296	60	20	55	100	10	5	ND	50	200	100	1000	10	5	5	200	200	5	1	20	ND	50	200	ND	3	B	MD	M		GNST 80 DI 10 OTHER 10	476
477	71L259	55	15	40	50	10	ND	ND	50	20	20	1000	2	1	2	50	50	5	1	ND	ND	20	100	ND	2	A	MD	M	GNST	GNST 90 AND 10	477
478	71J295	70	15	15	100	20	5	ND	50	500	100	1000	10	5	5	200	200	10	ND	50	ND	50	200	ND	4	B	MD	C	GNST	GNST 60 AND POR 25 OTHER 15	478
479	71J294	15	10	25	20	5	5	ND	20	100	20	20	5	2	2	NA	200	100	ND	ND	ND	20	NA	ND	3				GNST	GNST 80 DI 10 OTHER 10	479
480	71L260	25	15	45	20	20	2	ND	50	50	20	1000	2	1	5	50	50	5	1	ND	ND	20	100	ND	2	B	HI	M	GNST	GNST 85 DI 10 AND 5	480
480	71L261	20	20	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	B	HI	M	GNST	DUPLICATE OF 71J260	480
481	71J292	25	15	30	20	10	ND	ND	10	20	5	1000	2	2	5	50	100	5	ND	ND	ND	20	100	ND	3	B	HI	I	DI	DI DIKE 50 GNST 50	481
482	71J293	15	15	40	20	10	5	ND	50	50	10	1000	5	1	5	50	100	5	1	ND	ND	20	100	ND	2	B	HI	C		DI-GAB 60 GNST 35 AND, OTHER 5	482
483	71L262	35	15	45	50	20	2	ND	20	50	20	500	5	2	5	100	200	5	1	ND	ND	20	100	ND	1	B	HI	C	GNST	GNST 85 DI 10 AND 5	483
484	71J282	30	15	65	20	10	5	ND	20	50	20	100	5	1	2	500	100	20	1	ND	ND	20	200	ND	2	B	HI	C	MARB	MARB 80 GNST 15 DIKE 5	484
485	71L243	55	30	160	50	20	5	ND	20	50	50	2000	2	2	2	5000	100	5	1	ND	ND	20	100	ND	2	B	MD	M	PHYL	PHYL 40 GNST 30 MARB 20 QTZ 5 DI 5	485
486	71L242	50	30	1200	100	50	10	ND	20	50	100	500	2	2	5	1000	50	20	1	ND	ND	20	200	ND	1	A	MD	M	PHYL	PHYL 60 MARB 30 QTZ 7 DI 3	486
487	71L241	215	20	510	200	20	50	ND	20	100	200	1000	5	1	2	5000	50	20	1	ND	ND	10	500	ND	2	B	MD	C	PHYL	PHYL 60 MARB 30 QTZ 7 DI 3	487
488	71J265	30	15	60	50	20	5	ND	20	100	50	1000	5	5	10	500	50	10	ND	ND	ND	20	200	ND	40	B	MD	F		GR 35 DI 25 AND 20 LS 10 OTHER 10	488
488	71J266	30	20	80	50	20	10	ND	20	100	50	500	5	5	10	1000	200	20	1	ND	ND	20	100	ND	40	B	MD	F		DUPLICATE OF 71J265	488
489	71J257	55	20	110	100	20	20	ND	50	100	100	1000	5	2	2	1000	50	20	ND	ND	ND	50	200	ND	25	B	MD	M		LS 30 GNST 30 DAC 15 AND, OTHER DIKE 25	489
490	71J258	60	15	120	100	20	10	ND	20	100	50	1000	5	5	2	1000	100	20	1	ND	ND	50	200	ND	20	B	MD	M	GNST	LS 35 PHYL-GNST 35 DAC 10 AND, OTHER 20	490
491	71J259	50	15	110	100	20	20	ND	20	200	50	500	5	2	2	1000	100	20	ND	ND	100	20	200	ND	15	B	MD	F		LS 40 RHY, DAC 25 GNST, AND OTHER 35	491
492	71J260	55	20	115	100	20	20	ND	20	100	50	1000	5	5	2	2000	100	20	1	ND	ND	50	500	ND	10	B	MD	M	MARB	MARB 80 PHYL-GNST 10 RHY, DAC, OTHER 10	492
493	71J264	35	10	105	50	20	10	ND	20	100	50	500	2	1	1	1000	50	20	1	ND	ND	20	500	ND	2	B	MD	F		LARGE MARB, PHYL BOULDERS 80 AND, OTHER 20	493
494	71J261	NA	NA	NA	100	20	20	ND	50	200	50	2000	5	2	2	1000	100	10	ND	ND	ND	50	200	ND	3	B		M	MARB	MARB 50 AND DIKE 35 GNST 10 OTHER 5	494
495	71J262	45	20	135	50	50	5	ND	20	100	20	500	2	1	1	1000	100	20	1	ND	ND	20	200	ND	15	B	MD	M	GNST	PHYL-GNST 75 AND, RHY 20 MARB 5	495
496	71J263	55	35	130	50	50	20	ND	20	200	50	500	5	2	2	1000	50	20	ND	ND	ND	20	500	ND	8	B	HI	C	GNST	PHYL-GNST 65 MARB 20 DIKE 15	496
497	71J267	25	25	45	50	20	10	NA	20	200	50	2000	5	10	20	500	50	10	ND	ND	ND	20	100	ND	30	B	MD	M		GR 30 LS 30 AND 30 OTHER 10	497
498	71J276	50	20	110	100	20	10	ND	50	200	100	1000	10	5	10	1000	200	10	1	ND	ND	20	200	ND	8	B	MD	C		MARB 70 OTHER 30	498
499	71J268	30	20	50	50	20	10	ND	50	200	100	1000	5	10	10	500	100	10	1	ND	ND	50	100	ND	15	B	MD	M	LS	GR, DI, GAB 50 LS 30 GNST 10 SKARN 10	499
500	71J274	65	15	90	50	20	5	ND	20	50	20	1000	5	1	2	1000	100	20	1	ND	ND	20	100	ND	3	B	MD	C		GDI 60 MARB 25 SKARN, OTHER 15	500
501	71J275	50	20	135	100	50	10	ND	50	100	100	1000	5	2	2	1000	200	20	1	ND	ND	20	200	ND	4	B	MD	M		GDI 80 MARB, OTHER 20	501
502	71J269	45	20	65	50	20	10	ND	50	500	100	1000	5	10	10	500	100	10	ND	ND	ND	50	100	ND	15	B	MD	F	MARB	PHYL GNST 35 LS 35 DI, GR 30	502
503	71J273	45	15	85	50	20	5	ND	20	100	50	1000	5	2	5	1000	200	10	1	ND	ND	20	100	ND	2	B	MD	M		GDI 60 MARB 30 OTHER 10	503
504	71J270	15	40	30	20	20	5	ND	20	50	10	2000	5	10	10	200	50	5	ND	ND	ND	5	50	ND	12	B	MD	M	DI	GDI 70 MARB 25 AND 5	504
505	71J271	5	40	10	5	ND	2	ND	10	20	5	1000	2	10	20	20	50	ND	ND	ND	ND	ND	10	ND	8	B	MD	M	MARB	DI 50 MARB 40 FE STAINED ROCK 10	505
506	71J272	55	15	80	100	20	10	ND	50	200	100	500	5	2	5	1000	200	20	1	ND	ND	20	100	ND	6	B	MD	M		FE STAINED QTZ 20 GDI 40 MARB 35 OTHER 5	506
507	71J277	70	10	55	100	10	5	ND	50	200	100	1000	10	2	5	100	100	ND	ND	ND	ND	50	200	ND	4	B	MD	M		GR 70 PHYL W QTZ 30	507
508	71J278	150	15	80	200	20	5	ND	50	200	100	1000	10	5	5	200	100	10	1	20	ND	50	200	ND	3	B	MD	C	GNST	BLK GNST 55 SILIC RK 35 AND 10	508
509	71J279	75	15	50	100	20	5	ND	20	100	50	1000	2	2	5	100	50	5	ND	ND	ND	50	200	ND	3	B	HI	C	PHYL	BLK BANDED PHYL 75 (FE STAIN) EPIDOTE, OTHER 25	509
510	71J280	60	15	40	50	10	2	ND	20	100	20	1000	5	2	5	100	50	5	1	ND	ND	50	100	ND	2	B	HI	C	PHYL	PHYL 45 GDI 25 SKARN 15 AND 10	510
511	71J281	135	25	85	200	20	10	ND	100	200	100	1000	5	5	5	500	500	10	ND	ND	ND	50	100	ND	3	B	MD	C		SHEARED MARB 70 AND 15 GR 15	511
512	71J283	40	10	100	50	20	20	ND	100	200	100	1000	10	5	5	500	500	10	ND	ND	ND	50	200	ND	12	B	MD	M		GSCH 50 GDI 20 MARB 15 AND 10 OTHER 5	512
513	71J284	30	15	15	50	20	10	ND	50	500	100	1000	10	10	10	200	500	10	ND	ND	ND	50	100	ND	8	B	MD	M	GNST	GNST 40 MARB 40 AND, DI OTHER 20	513
514	71J271	45	15	55	100	20	5	ND	100	500	100	1000	10	10	10	200	500	10	ND	20	ND	50	100	ND	2	B	MD	C	DI	DI, GAB 85 DIKE, OTHER 15	514
515	71J285	40	15	85	100	20	10	ND	50	200	100	1000	10	5	5	500	200	5	ND	ND	ND	50	500	ND	10	B	MD	F		GNST 35 MARB 25 GDI 20 RHY 15 SL 5	515
516	71J286	45	10	35	100	20	10	ND	50	200	50	1000	10	5	5	200	200	10	ND	20	ND	50	200	ND	8	B	HI	C	MARB	MARB 40 GNST 40 LIGHT ALSK OTHER 20	516
517	71J287	35	15	30	100	20	5	ND	50	200	50	1000	5	5	5	200	200	ND	ND	ND	ND	50	200	ND	8	B	MD	C	DI	DI 75 GNST 20 OTHER 5	517
518	71J288	30	10	25	50	20	5	ND	20	200	50	1000	5	5	5	100	200	ND	1	10	ND	50	100	ND	6	B	MD	C	PHYL	GR, GRANITIZED PHYL 70 DI, ALSK 20, OTHER 10	518
519	71J289	40	15	25	20	10	2	ND	20	20	5	1000	2	1	2	20	50	ND	1	ND	ND	5	50	ND	3	B	HI	M	ALSK	ALSK 80 AND 15 OTHER 5	519
519	71J290	35	10	30	20	10	2	ND	20	50	20	500	2	1	2	100	50	ND	1	ND	ND	20	50	ND	3	B	HI	C	ALSK	SAME DATA AS 71J289 TAKEN 50 YDS UP STREAM	519
520	71J304	50	15	125	50	20	2	ND	20	50	50	1000	5	2	2	1000	100	20	1	ND	ND	20	200	ND	8	B	MD	F		GR 60 SL-LS 30 OTHER 10	520
521	71J305	30	15	40	50	10	10	ND	20	200	50	1000	5	2	5	200	200	10	1	ND	ND	20	200	ND	2	B	MD	C	MARB	MARB 50 GRANITOIDS 50	521
522	71J306	15	15	40	20	20	2	ND	20	20	10	500	2	1	2	500	500	10	2	ND	ND	10	50	ND	DRY	B	MD	M	DI	DI FAULT	522
523	71J307	10	10	25	20	20	5	ND	20	ND	5	500	5	1	5	500	500	10	2	ND	ND	20	200	ND	2	B	MD	C	DI	DI	523
524	71J308	5	10	25	5	20	2	ND	10	20	5	500	5	1	5	500	200	10	2	ND	ND	10	100	ND	2	B	HI	M	DI	DI 99 OTHER 1	524
525	71J303	NA	NA	NA	50	20	10	ND	20	200	50	1000	5	2	5	1000	200	20	1	ND	ND	20	200	200	10	B	MD	M	MARB	MARB 40 GR 60	525
526	71J302	30	15	100	50	20	50	ND	20	100	100	1000	5	2	2	1000	200	10	1	ND	ND	20	200	ND	14	B	MD	M		GR 60 GNST 15 MARB 15 OTHER 10	526
527	70L400	160	20	95	50	10	10	ND	10	100	20	200	1	0.5	2	100	200	10	ND	ND	ND	10	100	ND	5	B	HI	M	PHYL	PHYL 30 GDI 35 MARB 30 SKRN 5	527
528	70L401	190	15	90	100	10	10	ND	10	100	20	200	2	1	5	100	200	10	ND	ND	ND	10	50	ND	5	A	HI	M	MARB	GDI 58 MARB 40 SKRN 2	528
529	70L402	200	20	95	100	10	20	ND	20	200	20	500	2	1	5	500	200	10	ND	ND	ND	10	50	ND	4	B	HI		GDI	MARB 70 GDI 30	529
530	71L310	55	20	75	20	10	2	ND	10	20	5	1000	2	1	5	200	50	10	1	ND	ND	10	50	ND	1	B	MD	M	MARB	MARB 60 SKRN 30 DI 10	530
531	71L306	55	20	80	50	20	5	ND	20	50	20	500	5	1	5	500	200	20	1	ND	ND	20	100	ND	1	A	MD	M	SKRN	SKRN 60 MARB 20 GDI 20	531
532	71L304	55	20	75	100	10	2	ND	20	50	20	2000	5	2	5	500	50	5	1	ND	ND	20	200	ND	1	B	MD	M	GDI	GDI 40 SKRN 40 MARB 20	532
533	71L284	45	25	240	100	20	10	ND	50	100	50	500	5	2	2	1000	200	20	ND	ND	50	20	200	ND	7	B	MD	M	MARB	MARB 60 GNST 20 AND 17 DI 3	533
534	71L285	45	30	180	50	10	5	ND	50	20	50	1000	5	2	2	1000	50	20	1	ND	ND	20	200	ND	7	A	MD	F	MARB	MARB 55 GNST 10 AND 30 PHYL 5	534
535	71L286	50	30	300	100	20	10	ND	50	100	50	1000	5	2	2	1000	100	20	ND	ND	ND	20	200	ND	7	A	MD	F	MARB	MARB 60 AND 30 PHYL 10	535
536	71L292	50	30	180	50	20	5	ND	10	50	50	1000	2	1	2	2000	50	20	1	ND	ND	10	100	ND	1	A	MD	C	MARB	MARB 80 AND 20	536
537	71L287	50	25	250	100	50	10	ND	50	100	100	1000	5	2	2	1000	100	20	1	ND	ND	20	100	ND	7	A	MD	M	MARB	MARB 60 AND 25 PHYL 15	537
538	71L288	50	25	240	100	20	20	ND	50	100	50	1000	5	5	2	1000	ND	20	ND	ND	ND	50	200	ND	6	A	MD	M	MARB	MARB 70 PHYL 20 AND 10	538
539	71L289	45	25	215	100	20	10	ND	20	100	50	500	5	2	2	1000	200	20	ND	ND	50	20	200	ND	2	B	MD	M	MARB	MARB 50 PHYL 25 DI 5	539
540	71L291	70	30	290	50	50	10	ND	50	100	50	1000	5	2	2	1000	50	20	1	ND	ND	20	100	ND	4	B	MD	M	MARB	MARB 50 PHYL 30 AND 20	540
541	71L290	35	25	80	50	20	5	ND	10	50	20	500	2	1	1	1000	50	20	1	ND	ND	20	100	ND	2	B	MD	M	MARB	MARB 50 PHYL 10 AND 30	541
542	71L349	85	30	590	50	20	20	ND	20	20	100	1000	2	0.5	2	1000	50	50	1	ND	ND	10	500	ND	3	A	LO	M	PHYL	PHYL 85 MARB 30 AND 5	542
543	71L348	180	30	1800	200	20	50	5	50	100	200	2000	5	1	2	1000	50	20	ND	ND	ND	20	200	ND	2	B	MD	M	PHYL	PHYL 80 MARB 20 MARB-PHYL FAULT CONTACT	543
544	71L318	80	25	440	50	20	5	ND	20	50	50	500	2	1	2	1000	50	50	2	ND	ND	10	200	ND	3	A	MD	M	SLST	SLST 75 MARB 20 AND 5	544
545	71L319	50	25	460	50	20	20	ND	20	50	50	1000	2	0.5	1	1000	50	20	1	ND	ND	10	500	ND	3	A	MD	M	SLST	SLST 60 MARB 30 AND 10 DOLO W CPY VEINS IN FLT	545
546	71L320	60	25	540	50	20	10	ND	20	20	50	1000	2	0.5	2	1000	50	50	1	ND	ND	10	200	ND	1	B	MD	M	MARB	MARB 90 AND 10	546
547	71L321	45	25	340	20	20	20	ND	20	50	50	1000	5	0.5	2	2000	50	20	1	ND	ND	10	200	ND	1	B	MD	M	MARB	MARB 85 AND 15	547
548	71L323	35	20	75	50	20	10	ND	10	20	50	500	2	0.5	2	1000	50	50	1	ND	ND	10	200	ND	2	B	MD	M	MARB	MARB 85 SLST 10 AND 5	548
549	71L322	50	25	445	50	20	10	ND	10	20	100	2000	2	2	2	1000	50	50	1	ND	ND	10	500	ND	2	A	MD	M	MARB	MARB 85 SLST 10 AND 5	549
550	71L344	75	30	520	100	20	20	ND	20	50	100	500	2	0.5	1	200	50	50	1	ND	ND	10	200	ND	3	B	MD	M	MARB	MARB 60 SLST 30 AND 10	550
551	71L345	75	30	510	100	20	10	ND	20	100	100	500	2	0.5	1	1000	50	50	1	ND	ND	10	100	ND	1	B	MD	F	MARB	MARB 60 SLST 30 AND 10 MARB-SLST CONTACT	551
552	71L346	65	45	230	50	50	20	ND	20	100	50	500	5	2	5	5000	50	20	1	ND	ND	20	100	ND	1	B	MD	F	MARB	MARB 80 SLST 15 AND 5	552
553	71L347	60	30	490	100	50	20	ND	20	100	100	500	5	1	2	2000	ND	50	1	ND	ND	20	200	ND	2	B	MD	M	SLST	SLST 60 MARB 35 AND 5	553
554	71L311	65	25	80	50	20	5	ND	50	100	100	500	5	2	2	500	200	20	1	ND	ND	20	200	ND	3	A	MD	C		MARB 50 PHYL 30 GNST 10 AND 10 TILL	554
555	71L312	75	30	100	100	20	20	ND	50	100	100	1000	10	2	10	1000	100	20	1	ND	ND	20	200	ND	1	A	LO	M	GNST	MARB 60 PHYL 20 GNST 10 AND 10 DOLO W CPY TILL	555
556	71L315	20	20	45	50	20	5	ND	20	50	20	500	5	2	1	500	ND	10	1	ND	ND	20	200	ND	2	A	MD	M	GNST	GNST 55 CONG GNST 20 MARB 5	556
557	71L313	NA	NA	NA	50	20	2	ND	20	100	50	1000	2	1	2	500	50	50	1	ND	ND	20	200	ND	1	B	MD	M	GNST	MARB 40 PHYL SLST 30 GNST 20 AND 10 TILL	557
558	71L314	65	25	105	50	20	2	ND	20	50	20	1000	2	1	1	500	50	20	1	ND	ND	20	100	ND	1	B	LO	M	GNST	GNST 65 MARB 15 PHYL 10 AND 10	558
559	71L316	70	25	90	50	20	5	ND	20	50	20	1000	5	2	1	200	50	10	1	ND	ND	20	200	ND	1	A	MD	M	PHYL	PHYL 80 AND 10 DI 5 MARB 5	559
560	71L317	80	25	130	100	20	2	ND	50	100	50	1000	2	1	2	500	50	50	1	ND	ND	20	200	ND	1	A	LO	F	GNST	GNST 50 MARB 40 AND 10	560
561	71J335	65	20	165	50	10	2	ND	20	20	20	500	2	1	1	200	50	10	1	ND	ND	20	100	ND	3	B	MD	M		ARST 65 CONG 20 GNST, OTHER 15	561
562	71J334	65	25	195	100	20	5	ND	20	100	20	1000	2	1	2	200	100	10	1	ND	ND	20	100	500	6	B	LO	C	CONG	CONG 60 ARST 30 DI, OTHER 10	562
563	71J333	60	25	185	100	20	5	ND	50	50	50	1000	5	2	1	500	100	20	1	ND	ND	20	200	ND	6	B	MD	M	ARST	ARST 75 GWKE, OTHER 25	563
564	71J332	60	20	180	100	10	2	ND	20	50	20	1000	5	2	2	200	100	10	1	ND	ND	20	200	ND	6	B	MD	C	GNST	GNST-SLST 70 GWKE, ARST OTHER 30	564
565	71J331	50	25	90	50	10	5	ND	20	50	20	1000	5	2	2	200	100	5	1	ND	ND	20	100	ND	5	B	MD	M		GNST-SLST 40 ARST 35 GWKE 20 AND, OTHER 5	565
566	71J330	50	30	110	100	20	10	ND	50	200	50	2000	10	2	2	500	200	10	ND	ND	ND	50	200	ND	10	B	MD	C	GWKE	GWKE-SLST 80 ARST 10 DI, PHYL 10	566
567	71J352	65	20	145	200	50	10	ND	20	100	100	1000	5	1	5	1000	500	10	1	ND	50	20	200	ND	2	B	MD	M	DI	DI 60 HFLS 25 MARB 15	567
568	71J353	35	15	90	100	20	5	ND	20	50	20	1000	5	2	5	500	200	ND	2	ND	ND	20	100	ND	3	B	MD	M	MARB	PINK DI 60 CRYSTALLINE MARB 30 HFLS 10	568
569	71J328	35	15	105	100	20	10	ND	20	100	50	1000	5	2	5	1000	500	10	1	ND	50	20	100	ND	2	B	MD	M	SCH	SCH-PHYL (GR) 50 DI 50	569
570	71J355	25	40	30	5	ND	ND	ND	5	ND	5	50	0.2	0.5	0.5	ND	50	ND	ND	ND	ND	ND	10	ND		B	HI	M	SCH	GR-PHYL-SCH 50 GR-DI 25 MARB 20 SKRN 5	571
571	71J320	30	25	90	50	20	10	ND	50	100	10	1000	5	2	5	NA	200	5	1	ND	ND	20	100	ND	8	B	HI	M	PHYL	DUPLICATE OF 71J320	571
571	71J321	35	20	115	50	20	5	ND	20	20	10	2000	5	2	5	500	100	5	1	ND	ND	20	200	ND							
572	71J322	45	15	30	50	20	5	ND	10	10	5	1000	2	1	5	500	500	10	2	ND	ND	20	100	ND	4	B	MD	M	DI	DI 100	572
573	71J323	20	15	25	20	10	ND	ND	10	10	5	500	2	1	5	500	500	5	2	ND	ND	5	100	ND	3	B	MD	C	DI	DI 100	573
574	71J324	10	30	15	5	10	2	ND	10	20	5	500	1	1	2	100	500	ND	1	ND	ND	ND	50	ND	4	B	MD	M	DI	DI 100	574
575	71J325	300	40	15	1000	50	10	ND	20	50	10	2000	10	2	10	200	200	ND	1	100	ND	20	100	ND	1	B	MD	M	DI	DI 80 LS 15 OTHER 5 TAKEN 150 YDS FROM CU MINE	575
576	71J357	2200	60	40	2000	50	10	10	100	50	50	2000	10	2	10	200	200	20	1	ND	ND	20	100	ND	2	B	MD		SKRN	CR FLOWING FROM UPPER HOUGHTON ADIT ALT 1760 FT	576
577	71J358	20	10	15	10	20	ND	ND	10	ND	5	500	2	1	5	500	200	5	2	ND	ND	5	50	ND	2		MD		DI	ABOVE UPPER HOUGHTON ADIT ALT 1810	577
578	71J365	15	5	5	10	10	ND	ND	10	10	5	ND	1	2	20	NA	100	50	ND	50	ND	ND	NA	ND	Soil Sample		MD		DI	E OF UPPER HOUGHTON ADIT	578
579A	71J362	190	25	20	200	10	5	ND	5	10	NA	500	5	2	5	200	200	ND	1	ND	ND	5	200	ND	Soil Sample		HI			MARB-SKRN-DI CCT ALT 1870	579
579B	71J361	55	40	10	100	50	20	ND	20	20	5	2000	20	1	20	100	50	ND	ND	20	200	ND	20	ND	Soil Sample		MD		SKRN	SKRN-MARB BED ROCK ALT 1860	579
579C	71J360	5	5	15	10	20	2	ND	5	10	5	2000	5	1	10	200	100	10	1	ND	ND	10	50	ND	Soil Sample		HI		SKRN	SKRN-MARB BED ROCK ALT 1850	579
580	71J363	40	30	35	50	10	10	ND	20	50	50	1000	5	5	20	500	50	20	1	ND	ND	20	100	ND	Soil Sample		MD			BASE OF MARV CLIFF ALT 1780	580
581	71J364	30	45	45	20	10	2	ND	10	ND	5	500	1	2	20	20	100	10	1	ND	ND	ND	20	ND	Soil Sample		MD			BASE OF CLIFF 100 FT SW OF 71J364 ALT 1740	581
582	71J326	90	20	110	100	20	5	ND	20	200	20	500	5	5	5	500	100	10	1	ND	ND	20	100	ND	1	B	HI	C	MARB	MARB 30 PHYL 30 DI 30 SKRN 10	582
583	71J329	70	20	75	100	20	20	ND	100	100	50	1000	10	5	5	200	200	5	ND	ND	ND	50	200	ND	2	B	MD	M	PHYL	PHYL 70 DI 30	583
584	71J356	65	20	70	50	20	5	ND	20	100	50	1000	5	5	5	1000	50	20	1	ND	ND	20	100	200	2	B	MD		MARB	MARB-HFLS CONTACT	584
585	71J354	75	25	110	20	10	ND	ND	5	20	5	1000	1	0.5	5	100	50	5	2	ND	ND	ND	20	ND	1	B	HI				585
586	71J327	50	20	120	50	20	20	ND	20	100	50	500	2	2	5	2000	100	20	2	ND	ND	20	100	ND	2	B	MD	C	SCH	SCH 70 MARB 30 NEAR CONTACT	586
587	71J349	675	20	20	1000	20	50	ND	100	500	50	5000	10	5	10	1000	500	10	ND	ND	50	50	100	NA	15	A	MD	C	MARB	MARB 85 DI 10 OTHER 5 SAMPLE 6 IN ABOVE CREEK	587
587	71J350	745	15	100	1000	20	20	ND	50	200	50	2000	10	5	10	500	200	10	1	ND	ND	20	200	ND	15	B	MD	C	MARB	SAME DATA AS 71J349 BANK SAMPLE AT WATER LEVEL	587
587	71J351	675	15	80	1000	20	10	ND	20	100	50	2000	5	2	10	500	100	ND	1	ND	ND	20	200	ND	15	C	MD	C	MARB	SAME DATA AS 71J349, SAMPLE OF CR BTM, 1 FT DP	587
588	71L357	215	20	155	1000	10	10	ND	100	200	100	2000	10	5	10	200	200	10	1	ND	ND	20	200	ND	3	B	MD	F	MARB	MARB 45 SKRN 45 DI 8 CPY 2 MARB SKRN CONTACT	588
589	71J366	250	5	25	200	10	ND	ND	5	ND	ND	200	2	0.5	2	100	100	5	2	ND	ND	10	500	ND	Soil Sample		MD		GDI	ALT 3460	589
590	71J367	40	10	20	20	10	ND	ND	ND	20	ND	500	1	0.5	2	500	100	10	2	ND	ND	ND	50	ND	Soil Sample		HI		DI	LIMONITE STAINED DI ALT 3430	590
591	71J368	40	10	30	100	20	20	ND	10	200	20	1000	5	2	10	100	100	10	1	ND	ND	10	100	ND	Soil Sample		HI		SKRN	ALT 3440	591
592	71J369	3500	25	120	5000	20	50	10	50	NA	100	1%	10	NA	10	500	20	50	1	ND	ND	50	100	200	Soil Sample		MD			QTZ XTALS WITH CU STAIN BELOW ADIT ALT 3480	592
593	71J370	470	15	35	500	20	5	ND	100	NA	20	1000	5	NA	2	100	500	10	ND	ND	ND	50	100	200	Soil Sample		HI		SKRN	ALT 3470	593
594	71J371	40	10	30	20	ND	ND	ND	10	ND	5	500	1	1	2	20	50	ND	1	ND	ND	10	50	ND	Soil Sample		HI		SKRN	ALT 3800	594
595	71J372	45	15	65	50	10	2	ND	10	50	20	500	5	2	2	100	50	ND	ND	ND	ND	50	200	ND	Soil Sample		HI		SKRN	ALT 3420	595
596	71J348	5	5	20	10	20	2	ND	20	200	50	1000	5	2	5	500	200	ND	1	ND	ND	20	100	ND	DRY	B	MD	C	SCH	SCH	596
596A	71L341	15	20	35	10	10	2	ND	50	ND	10	1000	2	1	1	50	50	5	1	ND	ND	10	100	ND	1	B	MD	M	SCH	SILIC SCH 60 AND 20 PHYL 20	596A
597	71J341	460	15	55	500	10	100	ND	50	100	20	1000	5	2	5	500	200	ND	1	ND	100	50	100	ND	5	B	MD	M	DI	ALTERED DI 60 DI 10 MARB 10 SKRN 20	597
598	71J342	230	15	50	500	10	50	ND	50	100	50	2000	5	5	10	100	500	ND	1	ND	ND	20	200	ND	3	B	MD	M	DI	DI-SKRN 90 GAB-SKRN 20	598
599	71J340	600	20	40	500	10	200	ND	20	100	20	1000	5	2	10	500	200	ND	ND	ND	ND	NA	200	ND	3	B	MD	C	SKRN	DI SKRN, SKRN 100 MOLY MINERALS	599
600	71J339	300	10	25	200	10	50	ND	10	20	5	500	2	1	2	500	500	5	1	ND	ND	10	100	ND	1	B	HI	C	SKRN	SKRN-DI CONTACT	600
601	71J347	20	5	20	20	20	2	ND	20	50	10	500	5	5	10	200	200	5	1	ND	ND	10	50	ND	40	B	MD	M	SKRN	SKRN RICH IN GARNET SMPL FRM RIDGETOP POUND	601
602	71L339	45	20	50	50	10	5	ND	10	100	10	2000	5	2	10	500	50	10	1	ND	ND	20	200	ND	1	B	MD	M	SKRN	SKRN 60 DI 60	602
603	71J346	270	20	115	500	20	20	ND	100	500	50	1000	5	5	5	500	100	10	ND	ND	ND	50	200	ND	2	B	MD	M	GDI	GDI 50 SKRN 50 FAULT CREEK	603
604	71C400	NA	NA	NA	100	20	50	ND	10	100	10	1000	5	5	20	500	200	5	ND	ND	ND	50	200	ND	1	B	MD	C	SKRN	SKRN, DI IN FAULT CONTACT W MARB	604
605	71L334	90	20	125	100	20	2	ND	10	20	20	1000	5	2	2	1000	100	5	1	ND	ND	20	100	ND	1	B	MD	M	SKRN	SKRN 70 MARB 20 PHYL 10	605
606	71L333	100	25	140	100	20	2	ND	20	ND	20	1000	2	1	2	1000	50	5	1	ND	ND	20	200	ND	1	B	MD	M	SKRN	SKRN 50 MARB 30 PHYL 20	606
607	71L337	100	20	65	50	20	20	ND	50	50	20	1000	5	2	5	500	200	5	1	ND	ND	20	100	ND	2	B	MD	M	HFLS	HFLS 40 DI 50 SKRN 10	607
608	71J345	60	20	120	50	10	2	ND	20	20	20	500	5	2	2	500	50	ND	1	ND	ND	20	200	ND	2	B	MD	M	AMPH	LIMY FINE GAINED AMPH 100	608
609	71J344	25	15	100	20	20	ND	ND	20	10	10	500	ND	2	0.5	200	50	5	1	ND	ND	20	100	ND	2	B	MD	M	PHYL	AMPHIBOLIZED PHYL	609
610	71L332	35	20	75	50	20	5	ND	20	50	20	500	10	2	2	500	200	10	ND	ND	ND	50	200	ND	3	B	MD	M	SKRN	SKRN 65 SLST 15 DI 10	610
611	71L330	40	25	95	100	20	5	ND	50	50	20	1000	5	2	1	500	200	10	ND	ND	ND	50	200	ND	3	B	MD	M	PHYL	CHL PHYL 75 AND 20 QTZ 5	611
612	71L329	80	25	100	50	20	10	ND	50	50	50	1000	10	1	2	2000	50	20	ND	ND	ND	50	100	ND	1	A	MD	M	PHYL	PHYL 85 AND 10 QTZ 5	612
613	71J338	25	15	90	50	20	2	ND	20	20	10	2000	5	1	1	500	50	10	1	ND	ND	20	200	ND	2	B	MD	C	PHYL	GN ALTERED PHYL 95 OTHER 5	613
614	71J337	15	15	65	20	20	2	ND	10	20	10	200	5	2	1	500	50	ND	1	ND	ND	20	200	ND	6	B	MD	C	PHYL	GN ALTERED PHYL-SCH 80 DI 20	614
615	71J336	5	10	30	10	20	2	ND	10	20	5	200	2	1	0.1	500	200	10	1	ND	100	20	20	ND	40	B	MD	M	QSCH	GN PHYL-SCH RICH IN qtz 80 MARB, ALTERED 20	615
Threshold		90	50	140			20	2	200	1000	200	2%				2000	1000	100	5	10	50		500	200	Crustal averages from Krauskopf, 1967, Introduction to Geochemistry: McGraw-Hill, p. 639-640						
Lower Limit of Detection		1.0	5	1	5	10	1	1	5	10	5	5	0.1%	0.05%	0.02%	20	50	5	1	10	50	10	100	200							
Crustal Average		55	12.5	70	55	12.5	1.5	0.07	25	100	75	950	5.6%	2.3 %	4.1 %	425	375	10	2.8	2	1.5	22	135	0.2							

EXPLANATION

The -80 mesh fraction was analyzed.

1 Underlined values are anomalous. The thresholds of copper, lead, and zinc anomalies were determined by inspection of cumulative frequency plots. Thresholds of other elements were determined by inspection of the raw data.

2 Atomic absorption analyses by Thomas C. Trible and Patricia A. Garland, Minerals Analysis and Research Laboratory, Alaska Geological Survey.

3 Emission spectrographic analyses by Thomas C. Trible, Minerals Analysis and Research Laboratory, Alaska Geological Survey, using the semiquantitative procedure described by Grimes and Marranzino (1968). The values are reported in three step series 1, 2, 5, 10, 20, 50, 100, 200, etc. in ppm or %. A reported value of 100 ppm identifies the concentration as nearer 100 than 50 or 200. Approximately 95 percent of the values fall within plus or minus one reporting interval.

4 Sampling location
- A Bed of creek
- B Edge of creek
- C Above creek, below high water
- D Above high water

5 Organic content - high, medium, low

6 Maximum sediment grain size - Coarse, medium, fine

7 Abbreviations

AGGL - Agglomerate
ALSK - Alaskite
ALT - Altitude
AMPH - Amphibolite
AND - Andesite
ARGL - Argillite
ARST - Argillite-siltstone
BAS - Basalt
BLK - Black
CALC - Calcite, calcareous
CHL - Chlorite, chloritic
CONG - Conglomerate
CPY - Chalcopyrite
DAC - Dacite
DI - Diorite
DOLO - Dolomite
FE - Iron
FEL - Felsite
FM - From
GAB - Gabbro
GDI - Granodiorite
GN - Green
GNS - Gneiss
GNST - Greenstone
GOS - Gossan
GR - Granite
GSCH - Greenschist
GWKE - Graywacke
HFLS - Hornfels
JASP - Jasperoid
LS - Limestone
M,MD - Medium
MARB - Marble
NA - Not Analyzed
ND - Sought, but below the limit of detection
PHYL - Phyllite
POR - Porphyritic
PPM - Parts per million
PY - Pyrite
QMS - Quartz mica schist
QSCG - Quartz-rich schist
QTZ - Quartz
RHY - Rhyolite
RK - Rock
SCH - Schist
SER - Sericite
SILIC - Siliceous
SL - Slate
SLST - Siltstone
SKRN - Skarn
TILL - Glacial till
VQTZ - Vein quartz
W - With

REFERENCES CITED

Grimes, D. J.; Marranzino, A.P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U. S. Geol. Survey Circ. 591, 6 p., illus., tables.

Table 1d