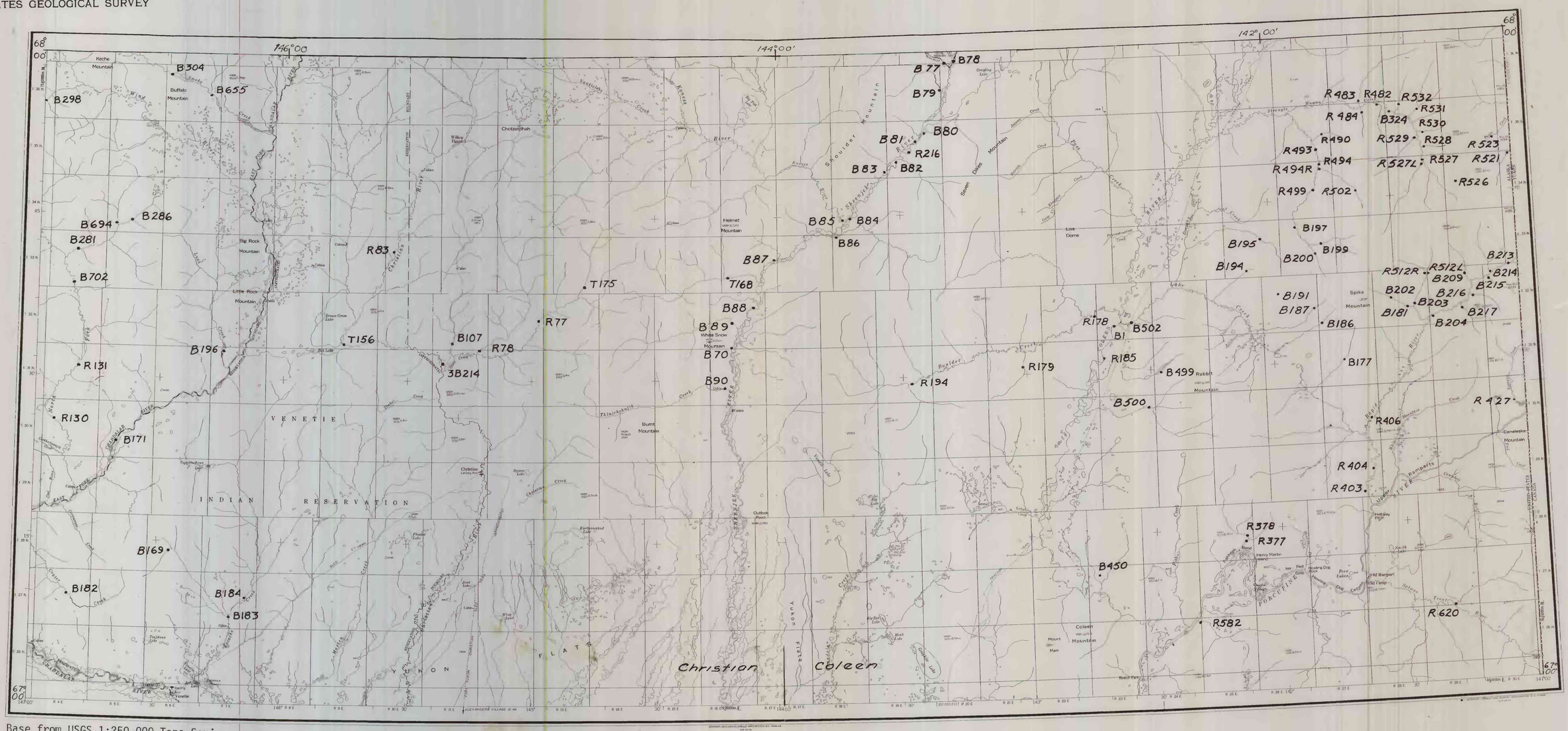

Base from USGS 1:250,000 Topo Series:

1956, COLEEN, 1956, CHRISTIAN, ALASKA. Compiled by Menlo Park Base Map Section.

SCALE 1:500,000

Fig. 1. Map showing stream sediment sample localities in Coleen and Christian quadrangles, Alaska.
W.P. Brosgé, H.N. Reiser and T.E. Moore
1977

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT OF 77-458

Table 1. Analyses of stream sediment samples from Coleen and Christian quadrangles, Alaska.

Sample number	Quad.	Lat. North ° ′ ″	Long. West ° ′ ″	Fe % (.05)	Mg % (.02)	Ca % (.05)	Ti % (.002)	Mn (10)	Ag (.5)	As (200)	Au (10)	B (10)	Ba (20)	Be (1)	Bi (10)	Cd (20)	Co (5)	Cr (10)	Cu (5)	La (20)	Mo (5)	Nb (10)	Ni (5)	Pb (10)	Sb (100)	Sc (5)	Sn (10)	Sr (50)	V (10)	W (50)	Y (5)	Zn (200)	Zr (10)	C Sb	AA Au (.02)	AA Ag (.2)	C As (10)	AA Zn (25)	Sample number on map
60ABe 655	CS	67 56 10	146 19 00	1.5	0.7	7	0.2	300	*L	*L	X	30	300	*L	L	X	7	100	15	*L	L	X	15	20	*L	10	L	150	50	*L	15	L	150	1	*N	1	X	X	B655
694		44 05	41 30	1.5	.5	7	.2	300	*L			20	500				5	70	15	*L	L		15	10		10		200	50		15	L	150	2	*N	1.5	X	X	B694
60ABe 702	CS	38 35	146 51 30	1.5	.3	7	.3	300	*L			50	700	*L		X	7	150	20	50	L		20	20		10		200	100		20	L	150	3	*N	1.4	X	X	B702
63ABe 1	CO	34 08	142 38 25	2	.5	10	.3	500	†L			70	500	2		L	10	70	20	50	†L		30	10		10		300	100		30	L	200	1	N	1	10	120	B 1
70	CS	32 55	144 11 35	5	1.5	15	.5	1000				100	1000	2			20	100	50	50	2		50	15		15		300	150		30	100	200	2		.6	L	120	B 70
77	CO	58 56	143 18 00	3	.5	.7	.3	1000				50	700	2			15	70	30	50	†L		50	15		10		100	200		20	100	150	1		.7	60	120	B 77
78		59 04	15 50	3	1	15	.2	1000				50	300	2			10	70	30	50	2		50	10		10		300	100		30	†L	150	2		1	20	150	B 78
79		56 55	19 10	3	.7	1.5	.3	500				70	1000	2			10	70	20	50	†L		50	15		10		100	150		30	100	200	2		.5	20	130	B 79
80		52 31	23 30	3	1	10	.2	700				50	300	†L			10	70	30	*L	3		50	10		7		200	100		20	†L	150	2		1.5	20	100	B 80
81		51 48	25 35	1.5	1	7	.15	300				20	200	†L			10	70	20	*L	†L		30	L		5		*L	70		15	†L	100	1		.7	120	140	B 81
82		49 55	30 30	2	1.5	15	.3	500				30	500	2			15	100	30	50	2		50	10		15		300	100		30	100	150	1		.3	10	120	B 82
83		48 59	33 35	3	1.5	15	.3	700				50	700	2			15	100	30	50	3		50	15		15		300	100		30	†L	150	1		.4	40	120	B 83
84		44 45	42 00	3	1.5	15	.3	700				50	700	3			15	100	30	70	2		50	15		15		300	100		30	100	200	1		.6	10	190	B 84
85		44 35	44 00	3	.7	1	.5	1000				70	1000	2			20	100	30	50	†L		50	10		15		100	150		20	†L	200	1		.7	20	98	B 85
86	CO	43 00	143 45 25	3	1	15	.5	500				50	500	2			15	100	30	50	2		50	10		15		200	150		30		200	2		.5	N	100	B 86
87	CS	41 04	144 00 50	3	1	10	.3	700				30	700	2			15	100	50	50	3		30	10		15		200	100		20		100	1		.5	10	130	B 87
88		36 42	06 15	3	1.5	10	.5	700				50	700	2			15	100	50	*L	2		50	15		15		300	150		30	†L	150	2		2.2	30	80	B 88
89		35 18	11 20	3	1.5	1	.5	700				50	1000	2			20	100	50		2		30	10		20		150	150		20	100	200	1		1.2	10	100	B 89
90		29 15	144 13 20	3	.7	.7	.3	500				30	1500	†L			15	150	50		†L		30	10		20		100	150		20	†L	150	1		.8	10	170	B 90
107		33 36	145 19 10	7	2	2	.7	1000				30	3000	2			20	200	70	*L	2		50	15		30		200	200		20	100	150	2		1.7	10	130	B107
169		14 10	146 26 45	7	.5	.7	1	500				150	1500	3			20	100	70	100	3		50	50		20		300	200		50	100	500	6		.6	N	100	B169
171		24 12	39 55	3	1	15	.2	300				30	500	2			10	100	20	*L	†L		30	10		7		200	100		20	†L	100	1		1.5	L	120	B171
182		10 00	21 00	5	1	.7	.7	500				70	1000	2			15	100	50	70	†L		50	20		10		200	150		20	100	300	2		1.7	L	130	B182
183		08 00	12 00	5	.7	1	.7	700				100	700	3			15	100	30	70	†L		50	20		10		*L	100		50	100	500	4		1.7	L	140	B183
184		09 48	13 25	5	1	1.5	.7	1000				100	700	3			20	150	50	70	3		70	20		30		100	150		50	100	500	3		1.6	30	120	B184
196		32 31	146 14 45	7	1	.7	1	1500				200	1000	5			20	150	70	70	5		100	20		20		*L	300		50	100	500	3	N	1.4	10	130	B196
214		31 40	145 21 20	7	1	1	.7	1500				100	1000	3			20	100	70	50	2		70	10		15		*L	150		30	†L	300	2	X	.6	L	120	3B214
281		41 38	146 50 20	5	1.5	2	.5	1000				70	700	2			15	150	50	50	†L		50	15		10		100	100		30	†L	200	4	N	1	L	120	B281
286		44 30	37 40	5	.7	.1	.5	700				70	700	†L			20	150	50	50	†L		50	20		10		*L	100		30	†L	200	3		.6	L	130	B286
298		55 15	59 30	7	1.5	5	.7	1000				100	700	3			30	150	70	70	5		70	20		20		*L	100		50	100	200	3		1.1	10	200	B298
63ABe 304		58 00	146 29 00	5	1.5	7	.5	700				100	700	2			15	150	50	50	†L		50	10		15		*L	70		30	†L	200	2		1	50	110	B304
63ARR 77		35 33	144 58 10	7	2	2	.7	1500				50	1000	†L			20	150	70	*L			50	10		20		100	150		20	†L	150	1		.8	N	120	R 77
78		32 50	145 12 35	7	2	2	.7	1500				50	1500	†L			20	200	100	*L			50	L		30		100	150		20	†L	150	1		1	N	130	R 78
83		41 56	145 34 25	5	.7	.5	.7	2000				100	1000	2			20	150	50	50			50	20		15		100	150		30	100	150	2		.5	N	190	R 83
130		25 56	146 55 10	7	1.5	3	.5	700				150	700	2			10	150	50	70			70	20		15		100	150		50	†L	200	2		.6	10	120	R130
63ARR 131		31 00	146 49 30	7	1.5	5	.5	1000	†L	*L	X	100	700	3	L	L	15	100	50	50	†L	X	50	15	*L	15	L	150	100	*L	30	†L	150	2	N	1	30	140	R131
66ATr 156		33 20	145 45 30	3	.7	.7	.5	700	N	N	N	70	700	N	N	N	20	70	70	50	N	15	50	15	N	15	N	70	100	N	30	N	200	X	X	X	X	X	T156
168		39 30	144 12 20	5	1.5	3	1	1500				20	1000				30	150	70	20		15	70	15		30		200	200		30		200		X	X	X	X	T168
66ATr 175	CS	38 40	144 45 30	5	1.5	2	.7	2000				50	1000	N			30	150	100	30		15	70	15		30		300	200		30		150		X	X	X	X	T175
67ABe 177	CO	30 30	141 42 48	5	.7	.2	.3	150				50	300	1			15	70	10	N		L	20	15		10		N	70		20		200		L	.6	10	76	B177
181		34 45	27 20	3	.3	.15	.15	500				20	200	2			L	30	15	L			10	30		7			50		30		150			.4	10	78	B181
186		33 34	48 00	5	.7	.1	.2	500				50	150	L			20	20	15	L			30	20		7			70		20		200			.7	20	96	B186
187		35 00	49 50	3	.5	.15	.2	150				30	200				15	20	15	N		L	20	10		7			70		20		150			.6	N	68	B187
191		36 25	141 57 45	3	.3	.2	.5	150				150	300				5	70	15	50		10	10	15		7			50		15		200			.3	N	30	B191
194A		38 45	142 05 40	3	.5	.2	.2	200				100	300	L			10	50	15	L		L	20	10		7			50		15		100			.5	L	82	B194
195		41 30	142 02 00	5	.7	.5	.3	300				100	500	1			20	100	15	50		10	50	20		10			70		20		150			.5	L	84	B195
197		42 35	141 53 35	2	.15	.2	.1	300				20	300	1.5			L	10	10	50		L	7	30		L			20		15		70			L	N	28	B197
199		40 50	47 30	3	.3	.3	.2	200				50	300	2			5	70	5	50		10	10	30		10			50		50		200			.4	L	58	B199
200		40 00	49 00	3	.5	.3	.3	150				100	300	1.5			L	50	10	30		L	10	20		10			50		30		200			.3	N	120	B200
202A		35 45	31 30	3	.3	.2	.2	300				30	200	2			L	20	10	150		L	7	50		7			30		50		150			.3	10	65	B202
203		35 00	25 30	3	.2	.2	.1	300				20	150	2			5	10	10	150		L	7	50		5			20		50		150			.2	L	36	B203
204		33 45	21 35	2	.2	.2	.1	200				30	200	1.5			L	10	5	30		10	7	50		L			30		30		100			L	L	38	B204
209		37 55	12 50	2	.1	.15	.07	500				50	100	2				7	5	20		N	5	50		L			15		50		150			L	N	31	B209
213		38 07	02 35	3	.5	.3	.1	300				20	200	2				7	10	N		L	2	50		5			30		50		300			L	10	42	B213
214		37 30	06 50	3	.5	.2	.15	500				20	150	3			L	20	5	30		L	10	30		7			50		50		150			.4	20	76	B214
215		37 04	07 25	5	.7	.3	.3	200				50	300	2			5	50	5	70		10	N	30		15			70		50		700			.3	L	70	B215
216		35 24	11 35	2	.3	.2	.15	500				50	300	1			L	20	5	30		L	7	50		5			50		30		100			L	30	60	B216
217		34 24	14 20	3	.5	.2	.2	500				100	300	2			5	30	10	150		20	10	70		7		N	50		50		200			.4	30	56	B217
324		53 18	141 26 35	5	.5	.7	G(1)	2000				100	300	3			10	20	20	100		30	15	30		10		*N	70		70		200			L	N	58	B324
450A		11 15	142 43 50	3	.2	.2	.5	100	N			100	300	L	N		7	50	20	N		10	20	15		10		N	70		20		150			.2	10	66	B450
499		29 42	27 35	5	.7	.3	.3	500	L			30	500	L	L		10	70	5	20		10	30	20		15			70		20		200			.5	20	88	B499
500		26 33	30 55	3	.5	.3	G(1)	300	N			50	200	N	N		5	30	7	N		15	15	15		10		N	70		15		150			.4	N	70	B500
67ABe 502		34 25	34 20	3	.7	.3	.3	300				20	300	L	L		7	30	20	20		15	20	10		7		N	50		20		200			.2	L	50	B502
67ARR 178		35 10	142 43 15	7	1.5	2	G(1)	1000				30	1000	N	N		30	150	50	N		10	70	15		30		100	300		20		100			.5	10	90	R178
179		30 30	143 00 30	5	1.0	.7	.7	500	N			30	300	L			20	100	20	N		10	30	L		10		100	100		20		150			.5	N	86	R179
185		31 12	142 41 18	2	.5	2	.2	200	L			20	200	1			15	70	7	L		L	20	10		7		N	50		10		70			1	L	86	R185
194		29 22	143 27 50	5	1	.7	.3	500	N			30	500	N			20	70	15	L		L	30	10		15			100		20		150			.6	L	100	R194
216		50 47	143 27 10	2	1	5	.2	500				30	200	L			20	70	15	L		L	30	20		7			70		15		70			1.2	20	56	R216
377		13 50	142 08 25	7	.7	.3	.5	500				100	500				30	150	30	N		10	50	20		30			200		20		200			.7	L	120	R377
378		14 15	142 08 20	7	.7	.2	.7	700				100	300				30	100	30	N		15	50	15		30			200		30		200			.4	L	100	R378
403		17 53	141 39 35	2	.7	.3	.3	500				10	200	L			15	30	10	30		10	50	30		5			70		15		100			L	L	37	R403
404		19 57	37 28	3	.5	.3	.3	500				70	200	1			10	70	10	200		10	50	30		7			70		70		200			.2	L	66	R404
406A		24 35	37 20	2	.3	.2	.2	150				100	150	L			L	10	5	100		L	7	20		5			30		50		150			.3	L	34	R406
427		25 40	02 45	5	1	.7	.3	700				100	300	1			20	100	20	N		10	70	30		20			100		50		200			.4	10	110	R427
482		53 55	32 08	5	1	.3	.3	500				70	700	L			20	100	15	N		10	70	20		15			100		20		300			.7	L	80	R482
483		53 50	36 30	3	.5	.15	.3	1000				50	200	N			10	50	15	N		10	30	15		7			50	N	15		100			.3	N	70	R483
484		52 47	35 50	5	.7	.2	.3	2000				100	500	L			20	100	15	20		L	20	30		15		N	70	X	50		200			.4	N	66	R484
490		50 59	45 50	5	1	.7	L	1000				150	700	3			15	30	20	50		20	30	50		10		100	100	N	30		200			.3	10	78	R490
493		49 34	47 20	5	.5	.3	.3	700				50	300	1			10	70	10	50		L	20	20		15		N	50	X	50		150			.4	N	62	R493
494		48 10	47 00	5	.5	.2	.5	700				50	300	1			15	70	15	70			20	30		15			70	X	50		300			.4	20	68	R494
494R		47 50	47 05	5	.7	.2	.3	700				50	500	1			15	70	10	20			20	20		10			70	X	50		300			.3	L	77	R494R
499		45 48	48 50	5	.7	.5	.3	700				100	300	1.5	N		10	50	5	150			7	50		10	N		70	X	70		300			.3	L	38	R499
502		45 35	38 15	3	.5	.3	.2	500				20	200	1.5	L		5	10	5	100	N	L	7	50		7	L	N	50	X	50		150			.4	L	42	R502
512L		37 38	22 10	3	.5	.7	.2	1000				70	300	5	15		5	20	20	100	5	20	10	70		5	20	*N	70	N	50		500			L	N	44	R512L
512R		37 40	22 30	3	.5	.7	.2	1500				30	300	5	N		5	10	20	300	N	15	10	50		5	L	*N	30		50		70			L	N	44	R512R
521		48 23	00 40	10	1.5	1	.7	1000				100	700	5			15	50	20	100	7	30	20	70		10	N	100	200		200		500			.4	L	66	R521
523		50 03	04 00	7	1	.5	.7	700				200	500	15			10	50	20	200	5	30	20	70		10	N	*N	150		50		500			.4	N	43	R523
526		46 04	14 15	7	.7	.5	.3	700				100	200	10			5	15	10	100	N	30	5	50		10	15		70		100		500			.3	L	54	R526
527		48 07	21 28	3	.5	.5	.2	700				30	200	5			5	15	10	50		15	10	50		5	N		50		30		150			L	N	32	R527
527L		47 55	21 45	3	.5	.2	.2	700				30	200	5			5	20	10	30		20	10	50		5			30		20		150			L	N	52	R527L
528		49 25	21 20	7	.5	.3	G(1)	1000				100	500	2			20	30	20	200		30	20	20		15		*N	100		70		500			.2	N	70	R528
529		50 30	22 45	10	.7	.5	1	1500				150	700	2			30	50	20	70		30	30	15		20		100	200		30		500			.3	N	94	R529
530		50 48	21 05	10	1	.7	G(1)	3000				100	700	2			20	50	30	70		30	30	50		20		*N	150		50		200			.2	N	86	R530
531		52 50	22 15	5	.5	.3	G(1)	1500				100	500	2			20	30	15	50		30	30	15		15			100		50		300			.2	L	68	R531
532		53 48	141 26 30	10	.5	.5	G(1)	3000				70	500	2	N		20	30	20	30		30	20	10		20		*N	100		70		200			L	L	44	R532
382A		06 25	142 20 40	2	1.5	2	.3	200	N			20	500	L	L		7	70	15	N'		10	15	15		7		N	70		15	N	200			.6	N	54	R582
67ARR 620	CO	67 06 00	141 20 00	3	1.0	1.5	.3	200	L	N	N	150	700	1	N	N	7	150	10	L	N	10	20	10	N	10	N	N	70	N	20	L	200	X	L	.9	N	110	R620

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.