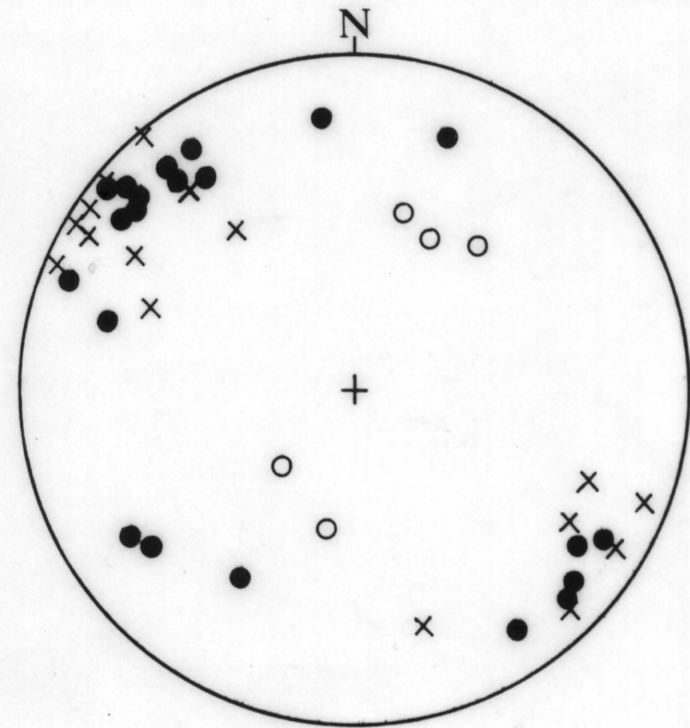


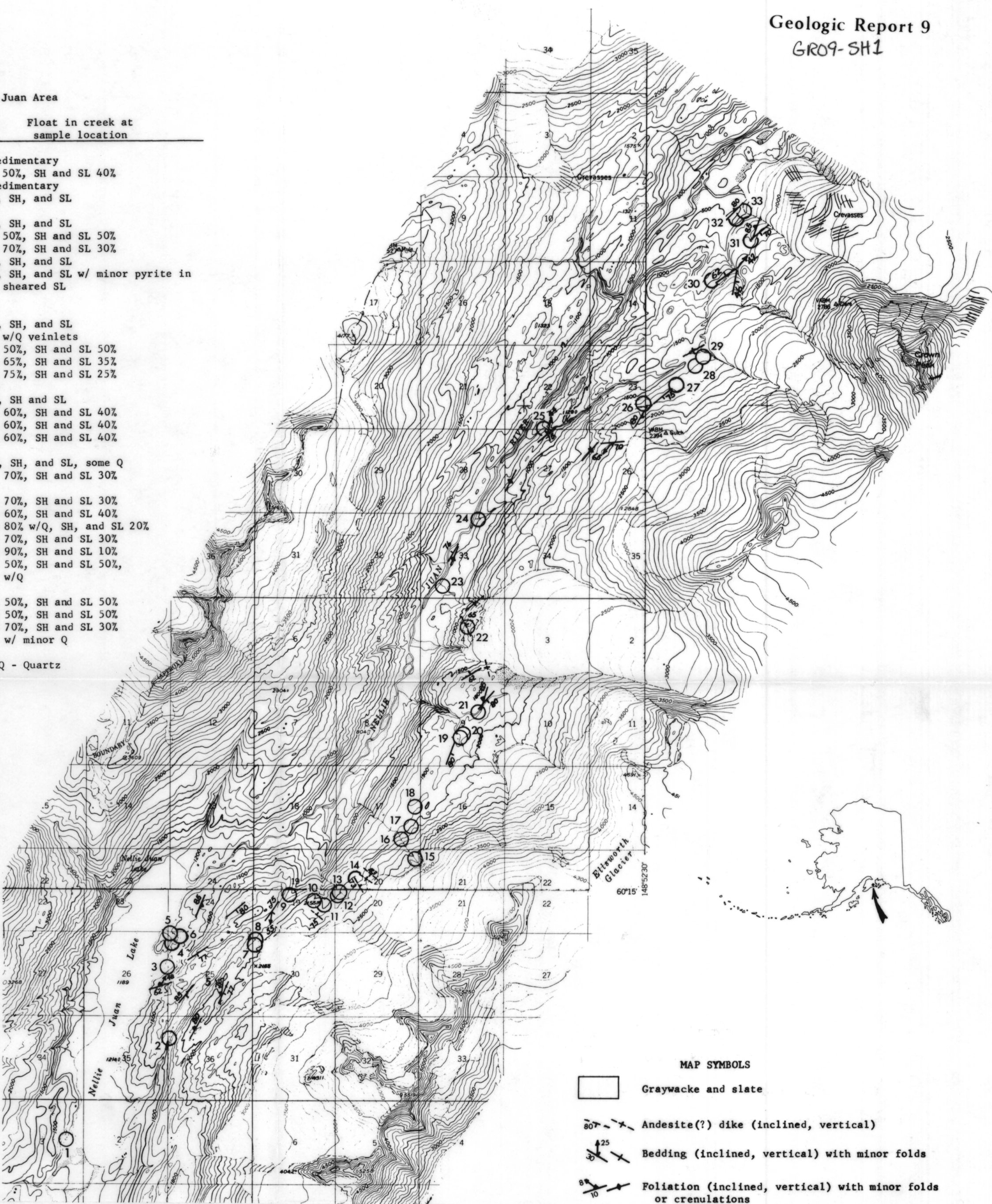
Analyses of Geochemical Samples, Nellie Juan Area

	PPM				Type of bedrock at sample location	Float in creek at sample location
	Cu	Zn	Pb	Mo		
1	60	160	15	2	G	Sedimentary
2	60	95	15	2	G, SH, and SL	G 50%, SH and SL 40%
3	115	210	20	3	Black argillite SL	Sedimentary
4	20	55	5	2	G, SH, and SL	G, SH, and SL
5	70	210	15	3	G w/calcite veinlets & pyrite	
6	70	200	15	2	G, SH, and SL	G, SH, and SL
7	75	105	10	2	G, SH, and SL	G 50%, SH and SL 50%
8	55	105	15	2	G w/Q and calcite veinlets	G 70%, SH and SL 30%
9	65	95	15	2	G, SH, and SL	G, SH, and SL
10	50	95	10	2	G, SH, and SL	G, SH, and SL w/ minor pyrite in sheared SL
11	55	100	15	1	G felsite dikes 5'-6' and numerous Q veins	
12	50	100	15	2	G, SH, and SL	G, SH, and SL
13	65	130	15	2	G	G w/Q veinlets
14	50	110	10	2	G w/several 2' felsic dikes	G 50%, SH and SL 50%
15	60	105	15	2	G w/fine Q veinlets	G 65%, SH and SL 35%
16	65	110	10	2	G 75%, SH and SL 25%	G 75%, SH and SL 25%
17	65	100	15	2	G w/a few less than 1" Q veins	G
18	50	90	10	2	G	G, SH and SL
19	80	170	15	2	SH, SL w/some Fe stain	G 60%, SH and SL 40%
20	65	130	15	2	SH, SL w/some Fe stain	G 60%, SH and SL 40%
21	75	110	15	2	G	G 60%, SH and SL 40%
22	65	105	10	2	G, massive w/minor Q	
23	50	95	5	2	G, SH, and SL, some Q	G, SH, and SL, some Q
24	75	125	20	2	G, SH, and SL interbedded	G 70%, SH and SL 30%
25	65	115	10	2	G 10' felsite dike, SH and SL interbedded	
26	50	100	10	2	G, SH, and SL w/Q stringers	G 70%, SH and SL 30%
27	70	100	10	2	G, SH, and SL w/little Q	G 60%, SH and SL 40%
28	65	125	10	2	G, SH, SL, some Q w/pyrite	G 80% w/Q, SH, and SL 20%
29	60	105	10	2	G, SH, SL, some Q w/pyrite	G 70%, SH and SL 30%
30	70	115	15	2	G, SH, and SL w/many Q veins less than 2"	G 90%, SH and SL 10%
31	65	110	10	2	G, SH, and SL w/little to no Q	G 50%, SH and SL 50%, w/Q
32	65	95	15	1	G, SH, and SL interbedded	G 50%, SH and SL 50%
23	65	105	10	2	G, SH, and SL interbedded	G 70%, SH and SL 30% w/ minor Q

Key: G - Graywacke SH - Shale SL - Slate Q - Quartz



Lower hemisphere, equal area projection of the structural data from the Nellie Juan area.



MAP SYMBOLS

- Graywacke and slate
- Andesite(?) dike (inclined, vertical)
- Bedding (inclined, vertical) with minor folds
- Foliation (inclined, vertical) with minor folds or crenulations
- Geochemical stream sediment sample

Geology by Gordon Herreid, assisted by Walter Phillips
September 1964.
Topography from U.S. Geological Survey Seward A-6, B-5, B-6 quadrangles.

A geologic and geochemical traverse
along the Nellie Juan River

