



Table 9
Trace elements in limonite precipitates and rocks Keno Hill district, Yukon

106 D/1															106 D/3 (cont'd)															105 P/16 (cont'd)																			
Sample Number	Cu	Pb	Zn	Ni	Co	As	Sb	Mo	W	U	Sn	Ag	F	Ba	Remarks	Sample Number	Cu	Pb	Zn	Ni	Co	As	Sb	Mo	W	U	Sn	Ag	F	Ba	Remarks	Sample Number	Cu	Pb	Zn	Ni	Co	As	Sb	Mo	W	U	Sn	Ag	F	Ba	Remarks		
1a	4	35	140	2.5	2.5	1	0.5	12.0	768	0.9	10	ND	10600	47	Skarn	107	20	2.5	130	25	2.5	12	1.0	1.0	2	2.3	3	ND	300	621	Greenstone (1% py)	326a	2	2.5	10	15	2.5	1	0.5	0.5	2	0.7	10	ND	ND	75	136	Quartzite	
1b	2	5	10	2.5	2.5	1	0.5	0.5	2	2.3	2	ND	225	42	Dolomite	108	12	10	80	40	2.5	12	1.0	0.5	2	2.5	ND	ND	430	1240	Phyllite	326b	8	115	40	2.5	2.5	46	2.0	1.0	2	1.5	7	0.3	ND	288	385	Quartz vein	
2	12	2.5	120	85	15	1	0.5	0.5	2	1.1	ND	ND	1500	6461	Phyllite	109	40	10	80	2.5	2.5	8	4.0	3.0	2	2.5	ND	ND	620	1956	Limonite precipitate	327	48	25	200	30	10	1	1.0	0.5	2	2.7	5	ND	860	892	Phyllite		
3a	24	2.5	120	85	15	1	0.5	0.5	2	1.1	ND	ND	1500	6461	Phyllite	110	2	2.5	120	2.5	2.5	2	1.0	1.0	2	0.2	ND	ND	1090	188	Limonite precipitate	105 M/14																	
3b	20	2.5	120	85	15	1	0.5	0.5	2	1.1	ND	ND	1500	6461	Phyllite	111a	8	2.5	40	2.5	2.5	1	1.0	0.5	2	0.1	ND	ND	525	65	Limonite precipitate	203	72	2.5	70	45	15	8	1.0	0.5	2	1.0	1	ND	290	359	Greenstone		
4	72	5	60	15	2.5	6	0.5	0.5	2	1.1	7	0.2	255	1152	Graphitic phyllite	111b	20	2.5	120	2.5	2.5	4	0.5	0.5	2	0.2	ND	ND	885	201	Limonite precipitate	204	8	2.5	110	35	35	10	0.5	0.5	2	0.1	ND	ND	340	340	Greenstone		
5	150	5	160	2.5	8	2.0	2.0	2	1.1	7	0.2	255	1152	Graphitic phyllite	112	100	2.5	220	125	15	8	2.0	0.5	2	0.2	ND	0.1	245	82	Greenstone	205a	32	2.5	110	35	2.5	6	0.5	0.5	2	1.2	4	ND	635	411	Phyllite			
6	2	2.5	70	2.5	2.5	1	0.5	0.5	2	0.3	7	ND	145	740	Phyllite quartzite	113a	44	2.5	200	20	5	8	0.5	0.5	2	2.9	1	0.9	580	1455	Limonite precipitate	205b	110	2.5	80	85	10	4	0.5	0.5	2	0.6	ND	ND	340	309	Greenstone		
7	8	2.5	5	20	2.5	1	0.5	0.5	2	0.3	7	ND	145	740	Phyllite quartzite	113b	8	2.5	60	10	5	1	0.5	0.5	2	0.1	10	ND	60	63	Quartz vein	206	140	2.5	120	70	2.5	2	3.0	1.0	2	0.6	ND	ND	340	340	Greenstone		
8	2	5	10	2.5	2.5	1	0.5	0.5	2	0.3	7	ND	145	740	Phyllite quartzite	113c	64	2.5	160	15	5	6	2.0	3.0	2	2.4	4	ND	740	1496	Limonite precipitate	207	2	2.5	210	90	5	8	1.0	1.0	2	2.4	3	ND	340	340	Greenstone		
9	8	2.5	110	45	2.5	1	0.5	0.5	2	2.5	4	ND	425	892	Phyllite (black)	114	28	2.5	60	15	2.5	1	1.0	0.5	2	2.0	6	ND	785	385	Phyllite	208	2	2.5	80	45	2.5	16	0.5	1.0	2	4.5	5	-	-	-	160	Limonite precipitate	
10	2	2.5	120	60	2.5	7	0.5	0.5	2	1.7	3	ND	920	2404	Phyllite	115	2	2.5	650	20	2.5	2	1.0	0.5	2	2.4	7	ND	1330	470	Limonite precipitate	209	2	2.5	60	40	5	2	0.5	0.5	2	4.7	10	6.2	890	1508	Phyllite (graphitic)		
11	2	2.5	130	15	2.5	6	0.5	0.5	2	1.7	3	ND	310	514	Greenstone (1% py)	116	60	2.5	110	40	2.5	12	0.5	0.5	2	0.7	ND	ND	1000	205	Greenstone	210	52	2.5	130	65	10	24	0.5	0.5	2	4.1	3	1.2	1270	1851	Limonite precipitate		
12	2	5	40	15	5	14	0.5	0.5	2	0.9	5	ND	160	1386	Phyllite (3% py)	106 D/4															211	2	2.5	130	65	10	24	0.5	0.5	2	4.1	3	1.2	1270	1851	Limonite precipitate			
13	2	5	20	2.5	2.5	4	0.5	0.5	2	0.8	4	0.3	155	1300	Phyllite (2-5% py)	117	2	2.5	800	85	15	36	0.5	0.5	2	1.3	ND	ND	470	220	Limonite precipitate	212	32	2.5	60	35	2.5	1	0.5	0.5	2	2.5	1	ND	715	1457	Phyllite		
14	2	2.5	1600	15	2.5	4	0.5	0.5	2	0.4	ND	ND	1930	128	Limonite precipitate	118	2	2.5	930	90	15	28	0.5	1.0	2	0.8	ND	ND	215	268	Limonite precipitate	213	44	2.5	90	85	45	1	0.5	0.5	2	0.3	ND	ND	325	819	Greenstone		
15a	8	2.5	900	2.5	2.5	1	0.5	0.5	2	0.1	ND	ND	990	10	Limonite precipitate	119a	2	5	300	65	2.5	220	2.0	5.0	2	4.2	1	ND	175	169	Limonite precipitate	214	4	10	50	2.5	5	8	1.0	1.0	2	0.6	7	1.3	60	258	Quartzite		
15b	44	2.5	900	2.5	2.5	48	24.0	13.0	2	2.6	ND	ND	1080	88	Limonite precipitate	119b	2	2.5	240	40	105	14	2.0	0.5	2	2.0	3	ND	100	752	Limonite precipitate	215	2	2.5	20	65	5	2	0.5	0.5	2	1.0	3	ND	180	1742	Quartzite		
16a	110	2.5	140	45	15	5	1.0	0.5	2	0.7	ND	ND	945	285	Greenstone	120	8	2.5	10	10	2.5	1	0.5	4.0	2	2.6	3	ND	505	936	Limonite precipitate	216	60	2.5	60	90	35	1	0.5	0.5	2	0.1	ND	ND	310	255	Greenstone		
16b	60	2.5	2900	290	20	1	2.0	0.5	2	0.2	ND	ND	1340	128	Limonite precipitate	121a	4	2.5	20	2.5	2.5	1	0.5	4.0	2	2.0	3	ND	300	637	Quartzite	217	140	2.5	130	20	40	1	0.5	0.5	2	0.3	240	0.3	Tr	0.5	150	401	Quartz vein
17	8	2.5	40	2.5	2.5	60	0.5	18.0	2	0.2	ND	ND	1340	128	Limonite precipitate	121b	2	2.5	10	2.5	2.5	1	0.5	0.5	2	1.7	7	ND	130	176	Quartzite	218	48	115	50	20	5	36	4.0	1.0	2	0.7	4	6.1	20	413	Quartz vein		
18	2	2.5	10	2.5	2.5	1	0.5	0.5	2	0.3	7	ND	145	740	Phyllite (dark grey)	122	2	2.5	10	2.5	2.5	1	0.5	0.5	2	0.7	5	ND	135	176	Quartzite	219	2	5	10	2.5	2.5	1	0.5	0.5	2	0.8	5	ND	250	141	Greenstone		
19	120	2.5	180	65	35	1	2.0	1.0	2	0.3	ND	ND	305	559	Greenstone	123	2	2.5	10	2.5	2.5	1	0.5	0.5	2	0.4	6	ND	ND	239	Quartzite	220a	40	2.5	60	145	20	1	0.5	0.5	2	0.7	7	ND	170	645	Quartzite (1% py-py)		
20	110	2.5	70	85	45	1	0.5	1.0	2	0.3	ND	ND	220	179	Greenstone	124	2	2.5	10	2.5	2.5	1	0.5	0.5	2	1.4	ND	135	53	Limestone	221b	64	2.5	40	30	2.5	1	1.0	2.0	2	2.0	Tr	1.0	750	338	Greenstone (1% cp, 2% py-py)			
21	320	2.5	180	2.5	55	1	2.0	1.0	2	0.2	ND	ND	340	926	Greenstone	125	4	10	110	45	10	1	0.5	0.5	2	1.7	6	ND	885	1465	Slate	222	850	2.5	170	90	60	1	0.5	0.5	2	2.1	3	0.4	310	1795	Limonite precipitate		
22a	36	2.5	40	70	20	48	0.5	5.0	2	5.8	9	ND	ND	210	179	Greenstone	126	2	5	10	2.5	5	1	0.5	0.5	2	1.9	6	ND	140	213	Slate	223	32	2.5	120	35	2.5	18	6.0	0.5	2	1.1	9	ND	70	165	Quartz vein	
22b	72	2.5	60	55	10	1	2.0	1.0	2	3.8	8	ND	1110	9674	Greenstone	127	2	2.5	50	20	10	1	0.5	0.5	2	2.3	3	ND	430	1102	Quartzite	224	140	5	110	35	10	56	14.0	4.0	2	3.6	3	ND	190	805	Limonite precipitate		
23	96	2.5	80	130	40	1	0.5	1.0	2	0.3	8	ND	310	2867	Greenstone	128	4	2.5	5	2.5	5	1	0.5	0.5	2	3.3	ND	ND	315	86	Limestone	225	4	2.5	10	10	2.5	5	0.5	0.5	2	0.6	6	ND	110	245	Quartz vein		
24	44	2.5	70	20	35	1	0.5	1.0	2	0.3	ND	ND	205	364	Greenstone	129	72	10	100	40	10	6	0.5	0.5	2	1.7	ND	ND	670	6637	Slate	226	4	2.5	10	5	2.5	1	0.5	0.5	2	0.8	6	ND	110	245	Quartz vein		
25	8	15	20	20	5	2	0.5	1.0	2	1.3	1	ND	360	571	Phyllite	130	2	2.5	5	2.5	2.5	1	1.0	0.5	2	1.3	3	ND	115	35	Limestone	227	8	2.5	10	5	2.5	1	0.5	0.5	2	1.3	5	ND	355	412	Quartzite		
26	16	10	20	20	10	2	0.5	1.0	2	2.4	6	ND	335	411	Phyllite	131	2	2.5	5	2.5	2.5	1	1.0	0.5	2	0.8	ND	ND	145	32	Limestone	228	4	2.5	160	130	10	6	0.5	2.0	2	0.5	5.6	5	0.2	107	290	Quartzite (fractured)	
27	2	10	10	10	2.5	1	0.5	1.0	2	2.2	6	ND	345	504	Phyllite	132	16	2.5	210	100	2.5	12	0.5	0.5	2	0.6	11	ND	505	264	Greenstone	229	8	1100	130	15	2.5	2	4.0	0.5	0.5	1.9	9	4.1	140	111	Gossan over fracture zone		
28	2	2.5	10	2.5	2.5	1	0.5	0.5	2	2.2	6	1.2	495	4091	Phyllite (graphitic)	133	28	2.5	60	75	2.5	4	0.5	0.5	2	1.4	8	ND	1010	9661	Slate																		
29	2	5	70	2.5	2.5	12	0.5	0.5	2	3.9	9	ND	700	2893	Phyllite	134	76	15	110																														