803550

Government of Canada / Gouvernement du Canada

MEMORANDUM **NOTE DE SERVICE**

TO / À: D. C. Harris

FROM / DE: R. V. Kirkham

SECURITY - CLASSIFICATION - DE SÉCURITÉ	
OUR FILE — N / RÉFÉRENCE	
YOUR FILE — V / RÉFÉRENCE	
DATE	June 1/89

SUBJECT / OBJET: PTS 1988 Samples

Don - you might as well look at these polished thin sections, even though they were made primarily for petrographic studies.

Hole #16 samples contain mainly pyrite, chalcopyrite and molybdenite but some samples (e.g. 686') may contain considerable tennantite. A few samples contain magnetite.

Some of the hand specimen samples contain arsenopyrite & may contain electrum. A few contain molybdenite & some others pyrrhotite.

Rod

GC 177

7540-21-798-8998

Thin Sections & Polished T.S.

March 9/92

Zircon

PTS

KQ-91-3 Frotet

11 McLeod L.

15 "

17 Dick Pt "

Core "

52B Sulph. Main Cu up tenm bar?

52E str. junction

58G W of Hanging Gl.

58J?

64C pyritic pajama beds Treaty Gl.

64D 65A West Zone R-1

65B " " RS-6

66 Fraser Zone

67A Bieleckic Zone

67B " "

67C " "

69A NW of Shore Zone (road)

69C leached N " " qz-bar. veins NE " "

qtz-py stringers 67F

78B Knipple Sul. R. py mud.

? 84B to D Knipple Gossan

100G Marmot Road 103A

Sulphurets

109D Jack Cr. Dil. Pr

110B Jack Cr. Sul. R. Pr

120A-C GR veins W of Treaty Gl.

127A to 127G

156 Cumberland

157 Spring Bins

TS

KQ-91-7 Clark L.

8

16A McLeod L. Rock Pt

36 Seneca

37 basalt Ashman Ridge

38 Red Tuff member Greenbed "

39 maroon beds " "

40 Telkwa Fm " "

40A " "

40B "

59C ash tuff N. Mitch. Gl.

80B Premier Knipple Porph. Gl.

80C " "

TS

KQ-91-3 Frotet

50A Troy Ridge flow top

51C Pre. Porph. orientation

58I Sulph. Monz.

58J

58K

63A Su px porph

93 Sta. 24 diabase

73 Treaty ASS

75C basalt

76B rhyolite

78A Knipple gran. ig.

83B Knipple px porph

86A Schist basalt

86C px porph

90B Tel. orion.

95D px porph Mitch. px porph

98C Stuhini W. Mitch. Gl.

109A "Jack" bay Gl.

125B W. Tree Gossan

127A W. Treaty Goss. alter.

128B gr.

130B Brucejack

? 131A weldee B.C.

Kasser 122C

py - hb porph

131A 126B

Fossil Collections

KQ-91-61 N. Mitch. Gl. Buchia.

KQ-91-71A Survey Sta. 24

KQ-91-95C minute gastropods N. of Hanging Gl.

121A Jack Fm. W. of Treaty Gl.

121B " " no coll.?

Metamorphosed Wood

KQ-91-107A

16-OCT-89

CUSTOMER NAME : KIRKHAM

KQ-87-74C
White feldspar phenocrysts.
"Sulphuret Porphyry" 50 μm steps which way? Traverse across one grain

MICROPROBE ANALYSIS RESULTS

PLAGI/FELDS.

	1	2	3	4	5	6	7	8	9
NA	0.0350	0.0558	0.0441	0.0645	0.0583	0.0654	0.0667	0.0489	0.0422
AL	0.2162	0.2192	0.2472	0.2429	0.2409	0.2461	0.2490	0.2404	0.2249
SI	0.5571	0.5638	0.5688	0.5881	0.5921	0.5868	0.5862	0.5929	0.6104
K	0.0361	0.0059	0.0437	0.0164	0.0205	0.0065	0.0083	0.0507	0.0826
CA	0.1114	0.1224	0.0388	0.0633	0.0703	0.0772	0.0721	0.0383	0.0105
FE	0.0024	0.0031	0.0145	0.0041	0.0015	0.0028	0.0032	0.0061	0.0045
BA	0.0034	0.0000	0.0018	0.0009	0.0015	0.0029	0.0000	0.0022	0.0047
SR	0.0020	0.0008	0.0000	0.0025	0.0025	0.0032	0.0018	0.0013	0.0026
	0.9636	0.9709	0.9589	0.9826	0.9878	0.9909	0.9872	0.9808	0.9823
NA	0.3230	0.5066	0.4024	0.5706	0.5141	0.5744	0.5864	0.4363	0.3779
AL	1.2139	1.2105	1.3707	1.3064	1.2907	1.3136	1.3304	1.3029	1.2236
SI	2.6540	2.6413	2.6762	2.6837	2.6913	2.6573	2.6582	2.7265	2.8177
K	0.2196	0.0351	0.2625	0.0953	0.1191	0.0375	0.0479	0.2971	0.4863
CA	0.5688	0.6146	0.1955	0.3094	0.3425	0.3747	0.3503	0.1885	0.0518
FE	0.0095	0.0121	0.0569	0.0157	0.0058	0.0105	0.0120	0.0237	0.0175
BA	0.0058	0.0000	0.0030	0.0015	0.0024	0.0046	0.0000	0.0036	0.0077
SR	0.0048	0.0018	0.0000	0.0056	0.0056	0.0072	0.0040	0.0030	0.0060
	4.9993	5.0220	4.9673	4.9883	4.9714	4.9796	4.9892	4.9816	4.9884

?

	1	2	3	4	5	6	7	8	9
FM	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AB	0.2906	0.4381	0.4677	0.5851	0.5269	0.5822	0.5956	0.4732	0.4126
OR	0.1976	0.0304	0.3051	0.0977	0.1221	0.0380	0.0486	0.3223	0.5309
AN	0.5118	0.5315	0.2273	0.3172	0.3510	0.3798	0.3558	0.2044	0.0565

	10	11	12	13	14	15	16	17	18
NA	0.0684	0.0359	0.0528	0.0945	0.0604	0.0297	0.0659	0.0620	0.0745
AL	0.2411	0.2206	0.2402	0.2046	0.2522	0.1954	0.2340	0.2320	0.2309
SI	0.5946	0.6108	0.5815	0.6494	0.5886	0.6275	0.5886	0.5950	0.6065
K	0.0076	0.0838	0.0576	0.0087	0.0293	0.1051	0.0257	0.0258	0.0089
CA	0.0684	0.0199	0.0111	0.0217	0.0433	0.0187	0.0411	0.0543	0.0558
FE	0.0032	0.0025	0.0080	0.0016	0.0062	0.0012	0.0056	0.0029	0.0022
BA	0.0010	0.0124	0.0016	0.0011	0.0018	0.0065	0.0008	0.0010	0.0013
SR	0.0000	0.0008	0.0013	0.0029	0.0017	0.0017	0.0009	0.0026	0.0009
	0.9843	0.9868	0.9541	0.9845	0.9834	0.9857	0.9625	0.9758	0.9809
NA	0.6014	0.3214	0.4828	0.8207	0.5340	0.2669	0.5942	0.5527	0.6554
AL	1.2890	1.2003	1.3350	1.0800	1.3549	1.0688	1.2818	1.2567	1.2352
SI	2.6976	2.8196	2.7416	2.9088	2.6832	2.9123	2.7353	2.7341	2.7528
K	0.0438	0.4933	0.3465	0.0498	0.1702	0.6223	0.1525	0.1514	0.0516
CA	0.3327	0.0985	0.0561	0.1043	0.2117	0.0931	0.2045	0.2674	0.2713
FE	0.0122	0.0098	0.0315	0.0060	0.0235	0.0046	0.0217	0.0112	0.0082
BA	0.0017	0.0203	0.0027	0.0018	0.0030	0.0107	0.0013	0.0017	0.0020
SR	0.0000	0.0018	0.0031	0.0065	0.0038	0.0040	0.0020	0.0061	0.0020
	4.9784	4.9650	4.9993	4.9777	4.9842	4.9827	4.9933	4.9813	4.9785

} low

	1	2	3	4	5	6	7	8	9
FM	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AB	0.6150	0.3520	0.5453	0.8420	0.5830	0.2717	0.6247	0.5689	0.6699
OR	0.0448	0.5402	0.3914	0.0511	0.1858	0.6335	0.1603	0.1558	0.0528
AN	0.3402	0.1078	0.0634	0.1070	0.2312	0.0948	0.2150	0.2752	0.2773

23-OCT-89 12:17:40 Cameca(C): F - 2 >

Analysis Setup File = PLAGIO

23-OCT-89

CUSTOMER NAME : KIRKHAM

KQ-87-74C white feldspar phenocrysts.

MICROPROBE ANALYSIS RESULTS

PLAGI/FELDS.

Traverse across white xtl.

xtal #1 100 μm stps

	1	2	3	4	5	6	7	8	9
NA	0.0661	0.0759	0.0683	0.0632	0.0857	0.0914	0.1068	0.0805	0.0326
AL	0.2671	0.2516	0.2641	0.2702	0.2430	0.2124	0.2181	0.2446	0.2378
SI	0.5832	0.6091	0.5847	0.5715	0.6157	0.6616	0.6679	0.5925	0.4969
K	0.0061	0.0075	0.0062	0.0108	0.0095	0.0229	0.0035	0.0005	0.0007
CA	0.0839	0.0678	0.0795	0.0851	0.0502	0.0208	0.0232	0.0865	0.2160
FE	0.0028	0.0023	0.0024	0.0023	0.0023	0.0002	0.0006	0.0033	0.0010
	1.0091	1.0142	1.0052	1.0031	1.0064	1.0093	1.0201	1.0080	0.9850
NA	0.5698	0.6481	0.5902	0.5504	0.7357	0.7768	0.8941	0.6972	0.3016
AL	1.3999	1.3061	1.3884	1.4295	1.2688	1.0978	1.1099	1.2875	1.3358
SI	2.5937	2.6831	2.6077	2.5655	2.7274	2.9009	2.8842	2.6459	2.3679
K	0.0344	0.0423	0.0351	0.0619	0.0536	0.1282	0.0193	0.0030	0.0042
CA	0.3997	0.3202	0.3799	0.4093	0.2383	0.0976	0.1075	0.4141	1.1031
FE	0.0104	0.0086	0.0091	0.0088	0.0086	0.0009	0.0021	0.0122	0.0039
	5.0079	5.0085	5.0103	5.0254	5.0324	5.0022	5.0171	5.0599	5.1165
FM	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AB	0.5676	0.6413	0.5872	0.5388	0.7160	0.7748	0.8758	0.6257	0.2141
OR	0.0342	0.0419	0.0349	0.0606	0.0521	0.1278	0.0189	0.0026	0.0030
AN	0.3982	0.3169	0.3779	0.4006	0.2319	0.0974	0.1053	0.3716	0.7830

xtal #2 150 μm stps.

Traverse across end of large cored xtl.

	10	11	12	13	14	15	16	17	18
NA	0.1009	0.1058	0.0026	0.0038	0.0350	0.0379	0.0687	0.0689	0.0768
AL	0.2204	0.2213	0.2488	0.1868	0.2570	0.2327	0.2604	0.2625	0.2246
SI	0.6458	0.6545	0.5706	0.6487	0.5156	0.5256	0.5936	0.5922	0.6000
K	0.0028	0.0069	0.1334	0.1568	0.0022	0.0052	0.0113	0.0070	0.0082
CA	0.0329	0.0205	0.0031	0.0000	0.1689	0.1519	0.0655	0.0780	0.0683
FE	0.0015	0.0009	0.0059	0.0005	0.0034	0.0025	0.0042	0.0023	0.0122
	1.0043	1.0099	0.9644	0.9966	0.9821	0.9558	1.0037	1.0110	0.9902
NA	0.8612	0.8965	0.0239	0.0342	0.3184	0.3525	0.5940	0.5919	0.6766
AL	1.1432	1.1403	1.3987	1.0169	1.4216	1.3156	1.3677	1.3711	1.2032
SI	2.8427	2.8611	2.7220	2.9966	2.4195	2.5216	2.6453	2.6241	2.7269
K	0.0157	0.0382	0.8118	0.9241	0.0133	0.0316	0.0642	0.0398	0.0477
CA	0.1553	0.0962	0.0159	0.0000	0.8490	0.7807	0.3125	0.3704	0.3325
FE	0.0055	0.0033	0.0237	0.0018	0.0132	0.0101	0.0158	0.0085	0.0463
	5.0236	5.0356	4.9960	4.9736	5.0350	5.0121	4.9995	5.0057	5.0332
FM	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
AB	0.8343	0.8696	0.0281	0.0357	0.2697	0.3026	0.6119	0.5907	0.6402
OR	0.0152	0.0371	0.9532	0.9643	0.0112	0.0272	0.0661	0.0397	0.0451
AN	0.1505	0.0933	0.0187	0.0000	0.7191	0.6703	0.3220	0.3696	0.3146

	19	20	21	22	23
NA	0.0643	0.0438	0.0509	0.0446	0.0661
AL	0.2665	0.2988	0.2910	0.2589	0.2634
SI	0.5750	0.5557	0.5707	0.5295	0.5846
K	0.0232	0.0665	0.0642	0.0115	0.0049
CA	0.0618	0.0071	0.0075	0.1235	0.0818
FE	0.0054	0.0051	0.0050	0.0176	0.0019
	0.9962	0.9770	0.9893	0.9856	1.0026
NA	0.5641	0.3910	0.4493	0.4038	0.5720
AL	1.4203	1.6223	1.5601	1.4237	1.3862
SI	2.6001	2.5602	2.5963	2.4709	2.6108
K	0.1338	0.3909	0.3724	0.0683	0.0279
CA	0.2996	0.0349	0.0367	0.6174	0.3916
FE	0.0203	0.0197	0.0191	0.0686	0.0070
	5.0382	5.0190	5.0340	5.0528	4.9956
FM	1.0000	1.0000	1.0000	1.0000	1.0000
AB	0.5655	0.4787	0.5234	0.3706	0.5769
OR	0.1341	0.4785	0.4338	0.0627	0.0282
AN	0.3004	0.0428	0.0427	0.5667	0.3950