

896405  
Highland  
Valley  
Copper

Rock Number 1-2

Rock Type D-2

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	121	17.3
K-feldspar	129	18.4
Plagioclase	343	49.0
Mafics	101	14.5
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain good

Comments :

Rock Number 1-9

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	74	10.5
k-feldspar	156	22.2
Plagioclase	291	41.6
Mafics	174	24.9
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size ~ 15

Quality of Stain Fair to good

Comments : play. & qtz sometimes difficult to separate.

Rock Number 1-32

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	164	16.3
k-feldspar	196	19.5
Plagioclase	469	46.8
Mafics	161	16.0
Others	5	.5
Total Grid Pts	1008	99.1

Mesh Size ~ 15

Quality of Stain good

Comments : high qtz & k-spar 2 for guichon

Rock Number 1-32

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	69	6.8
k-feldspar	128	12.7
Plagioclase	509	50.8
Mafics	284	28.3
Others	5	.5
Total Grid Pts	1008	99.1

Mesh Size ~15

Quality of Stain Fair

Comments : qtz & plagioclase - hard to separate  
- rock strongly etched.

Rock Number 1-39

Rock Type D3 (?)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	64	9.2
k-feldspar	143	20.0
Plagioclase	337	48.2
Mafics	152	21.7
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~ 15

Quality of Stain good

Comments : D3!? -



Mineral | No. of Pts/Total Grid | Percent of Total Grid

Rock Number 1-68

Rock Type Guichen

Mineral	No. of Pts/Total Grid	Percent of Total Grid
Quartz	52	7.5
k-feldspar	105	15.0
Plagioclase	362	51.7
Mafics	No. of Pts/Total Grid 172	Percent of Total Grid 24.6
Others	2	.3
Total Grid Pts	700	99.1

Mesh Size ~15

Quality of Stain good

Comments : good HF etch.

Mineral | No. of Pts/Total Grid | Percent of Total Grid

Rock Number 1-80

Rock Type Bethlehem

note - two specimens (ex 2, 1-80's)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	109	15.5
k-feldspar	134	19.1
Plagioclase	368	52.5
Mafics	84	12.0
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments :

Rock Number 1-80

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	153	15.3
k-feldspar	214	21.4
Plagioclase	524	52.0
Mafics	88	8.8
Others	10	1.0
Total Grid Pts	1008	98.5

Mesh Size ~ 15

Quality of Stain good

Comments :- sample strongly etched  
- plag. not counted (1.5% error included to make up to 100%)  
- k-spar stain well defined



Rock Number 1-88

Rock Type Guichen

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	99	9.8
k-feldspar	169	16.8
Plagioclase	448	44.7
Mafics	277	27.6
Others	4	.4
Total Grid Pts	1008	99.3

Mesh Size ~ 15

Quality of Stain good

Comments : qtz & plag. sometimes difficult to separate due to degree of HF etch.

Rock Number 1-91 A

Rock Type Hybrid (?)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	57	8.2
k-feldspar	77	11.0
Plagioclase	390	55.6
Mafics	169	24.2
Others	3	.4
Total Grid Pts	700	99.4

Mesh Size ~ 15

Quality of Stain Fair-good

Comments : more like Guichen  
- plag & qtz sometimes difficult to separate

Rock Number 1-97

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	24	3.4
k-feldspar	44	6.3
Plagioclase	425	60.9
Mafics	199	28.5
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good.

Comments : strong etch - qtz & plag. sometimes difficult to separate

Rock Number 1-101A

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	50	7.2
k-feldspar	72	10.3
Plagioclase	403	57.6
Mafics	164	23.4
Others	4	.6
Total Grid Pts	700	99.1

Mesh Size ~ 15

Quality of Stain good

Comments : good HF etch

Rock Number 1-101A

Rock Type Hybrid?

note - two 1-101A samples!?

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	41	5.9
K-feldspar	66	9.5
Plagioclase	439	62.7
Mafics	148	21.2
Others	2	.3
Total Grid Pts	700	99.6

Mesh Size <math>\phi 15</math>

Quality of Stain Fair

Comments :



Rock Number 1-102

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	51	7.3
K-feldspar	114	16.3
Plagioclase	426	60.7
Mafics	104	14.9
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain fair to good  
- Qtz & plagioclase & mafic sometimes hard to separate.

Comments : K-spar value high for hybrid!  
- although rx specimen looks like classic "grey"

Rock Number 1-144

Rock Type Bethsaida?

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	149	21.3
k-feldspar	74	10.6
Plagioclase	431	61.6
Mafics	34	4.9
Others	2	.3
Total Grid Pts	700	98.7

Mesh Size 415

Quality of Stain good

Comments : originally classified as contact  
bethlehem (on yellow sheets)

Rock Number 1-162

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	170	34.0
k-feldspar	71	14.2
Plagioclase	240	48.0
Mafics	14	2.8
Others	2	.4
Total Grid Pts	500	99.4

Mesh Size 415

Quality of Stain Fair to good

Comments : minor cpy

Rock Number 1-166A

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	166	33.2
k-feldspar	48	9.6
Plagioclase	253	50.6
Mafics	28	5.6
Others	2	.4
Total Grid Pts	500	99.4

Mesh Size -15

Quality of Stain good

Comments :

Rock Number 1-1660

Rock Type D1

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	100	20.0
K-feldspar	71	14.2
Plagioclase	296	59.2
Mafics	29	5.8
Others	1	.2
Total Grid Pts	500	99.4

Mesh Size ~15

Quality of Stain good

Comments :



Rock Number 1-175

Rock Type Contact Phase Bethlehem.

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	133	26.6
K-feldspar	79	15.8
Plagioclase	218	43.7
Mafics	65	13.0
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size ~15

Quality of Stain good

Comments :

Rock Number 1-187

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	122	17.5
K-feldspar	63	9.0
Plagioclase	477	68.1
Mafics	30	4.3
Others	2	.3
Total Grid Pts.	700	99.2

Mesh Size ~15

Quality of Stain Fair to good

Comments : play of qtz sometimes difficult to separate.

Rock Number 1-195

Rock Type Hybrid

note - only stained slab was located.

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	23	3.3
k-feldspar	—	—
Plagioclase	469	65.8
Mafics	209	29.9
Others	2	.3
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain Fair

Comments : strong HF etch.  
- no k-spar

Rock Number 1-202

Rock Type Bethsaida

Mineral	Nd. of Pts/ Total Grid	Percent of Total Grid
Quartz	243	34.7
k-feldspar	—	—
Plagioclase	390	55.7
Mafics	63	9.0
Others	2	.3
Total Grid Pts	700	99.7

Mesh Size ~15

Quality of Stain Fair

Comments :

Rock Number 1-204

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	178	25.5
k-feldspar	94	13.4
Plagioclase	362.	51.7
Mafics	55	7.9
Others	2	.3
Total Grid Pts	700	98.8

Mesh Size ~ 15

Quality of Stain good

Comments : excellent etch & stain



Rock Number 1-205

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	112	16.0
k-feldspar	93	13.3
Plagioclase	362.6	51.8
Mafics	125	17.9
Others	3	.4
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments : good HF etch

Rock Number 1-207

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	60	8.6
k-feldspar	21	3.0
Plagioclase	391	55.9
Mafics	221	31.6
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments :

Rock Number 1-216 B

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	87	17.4
K-Feldspar	111	22.2
Plagioclase	236	47.3
Mafics	61	12.2
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size ~15

Quality of Stain Fair to good

Comments :

Rock Number 1-223

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	132	26.5
K-feldspar	25	5.0
Plagioclase	294	58.8
Mafics	43	8.6
Others	2	.4
Total Grid Pts	500	99.3

Mesh Size ~15

Quality of Stain poor to Fair

Comments :

Rock Number 1-230

Rock Type D12

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	102	20.4
K-feldspar	88	17.6
Plagioclase	279	55.9
Mafics	25	5.0
Others	3	.6
Total Grid Pts	500	99.5

Mesh Size ~15

Quality of Stain good

Comments :



Rock Number 1-238

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	80	11.4
K-feldspar	33	4.7
Plagioclase	383	54.8
Mafics	197	28.2
Others	1	.2
Total Grid Pts.	700	99.3

Mesh Size ~~15~~ ~15

Quality of Stain poor to fair

Comments : possibly hybrid ?

Rock Number 1-246

Rock Type Contact Phase Bethlehem

Mineral	Nd. of Pts/ Total Grid	Percent of Total Grid
Quartz	111	22.2
K-feldspar	48	9.6
Plagioclase	289	57.9
Mafics	48	9.6
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size ~15

Quality of Stain good

Comments : note - these weird bronze metallic mineral - native Cu appearance

Rock Number 1-247

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	147	29.4
K-feldspar	74	14.8
Plagioclase	239	47.9
Mafics	36	7.2
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size N15

Quality of Stain good+

Comments :

Rock Number 1-248

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	121	24.2
K-feldspar	45	9.0
Plagioclase	282	56.5
Mafics	48	9.6
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size N15

Quality of Stain Fair

Comments :

Rock Number 1-249

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	93	18.6
K-feldspar	77	15.4
Plagioclase	277	55.5
Mafics	48	9.6
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size N 15 44.0

Quality of Stain good

Comments :