

896406

Highland
Valley
CopperRock Number 2-9Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	71	10.2
K-feldspar	99	14.1
Plagioclase	334	47.8
Mafics	189	27.0
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size 15Quality of Stain FairComments : - only the stained section - other
half missing for 2-9

Rock Number 2-27

Rock Type Guichen

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	71	10.1
k-feldspar	103	14.7
Plagioclase	367	52.4
Mafics	150	21.5
Others	4	.6
Total Grid Pts	700	99.3

Mesh Size ~ 15

Quality of Stain fair to good

Comments : some qtz & plag. difficult to separate.

Rock Number 2-78

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	97	13.7
K-feldspar	139	19.9
Plagioclase	305	43.6
Mafics	150	21.4
Others	2	.3
Total Grid Pts	700	98.9

Mesh Size ~15

Quality of Stain good

Comments :

Rock Number 2-81

Rock Type Giichen

Mineral	No. of Pts/Total Grid	Percent of Total Grid
Quartz	47	6.4
K-feldspar	137	19.6
Plagioclase	350	50.1
Mafics	162	23.2
Others	1	.2
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain good

Comments : play k qtz sometimes difficult to separate.

Rock Number 2-86

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	76	7.5
k-feldspar	112	11.1
Plagioclase	576	57.5
Mafics	229	22.8
Others	5	.5
Total Grid Pts	1008	99.5

Mesh Size ~15

Quality of Stain Fair

Comments : plag. & qtz sometimes difficult to separate

NOTE - qtz too fg for point counting

Rock Number 2-91

Rock Type D2

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	note - qtz & plagioclase too fg for p.c.	
k-feldspar	412	41.1
Plagioclase		
Mafics		
Others		
Total Grid Pts	1008	

Mesh Size ~15

Quality of Stain Fair

Comments : qtz & plagioclase v. difficult to separate due to HF etch and their fg texture

Rock Number 2-108

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	86	8.5
k-feldspar	175	17.4
Plagioclase	543	54.2
Mafics	191	19.0
Others	3	.3
Total Grid Pts	1008	99.4

Mesh Size ~ 15

Quality of Stain good

Comments : unusually high % of k-spar
fig qtz - rounded & wedge shaped.

Rock Number 2-110

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	94	13.4
k-feldspar	58	8.3
Plagioclase	460	65.8
Mafics	83	11.9
Others	1	.2
Total Grid Pts	700	99.6

Mesh Size ~15

Quality of Stain good

Comments: ^{possibly} low Qtz & k-spar for Bethlehem.

Rock Number 2-135

Rock Type Guichen

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	132	13.2
k-feldspar	219	21.8
Plagioclase	438	43.7
Mafics	207	20.6
Others	2	.2
Total Grid Pts	1008	99.5

Mesh Size ~ 15

Quality of Stain Fair

Comments : high k-spar² for guichen!

Rock Number 2-161

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	202	20.1
k-feldspar	209	20.8
Plagioclase	487	48.6
Mafics	90	9.0
Others	10	1.0
Total Grid Pts	1008	98.5

Mesh Size ~ 15

Quality of Stain good

Comments : - good interstitial k-spar
- mainly interstitial atz

Rock Number 2-167

Rock Type Quichon

note - not listed on yellow sheets

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	59	8.4
k-feldspar	57	8.3
Plagioclase	383	54.9
Mafics	192	27.4
Others	3	.4
Total Grid Pts	700	99.4

Mesh Size ~ 15

Quality of Stain _____

Comments : * - plagioclase & quartz difficult to separate with unpainted surface.

Rock Number 2-168

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	42	6.0
k-feldspar	48	6.9
Plagioclase	418	59.7
Mafics	184	26.4
Others	2	.3
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain Fair

Comments : plgy & kfs difficult to separate

Rock Number 2-190

Rock Type Chataway (?)

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

Mineral	No. of Pts/Total Grid	Percent of Total Grid
Quartz	70	10.0
k-feldspar	83	11.8
Plagioclase	415	59.4
Mafics	124	17.7
Others	3	.4
Total Grid Pts	700	99.3

Mesh Size > 15

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

Quality of Stain Fair to good

Comments : specimen was ~~not~~ listed on yellow sheets
- k-spar occurs in blobs or patches

Rock Number 2-197 ??

Rock Type Guichen ?

note - unable to read no.
looks like 2-197
- rx type appears to be guichen ?

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	24	
k-feldspar	49	
Plagioclase		
Mafics	186	
Others	3	.4
Total Grid Pts	700	

Mesh Size ~15

Quality of Stain Fair

Comments : Some parts of rx didn't take the stain very well.

Rock Number 2-197

Rock Type Beth Chat

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	115	16.5
k-feldspar	63	9.0
Plagioclase	383	54.7
Mafics	132	18.9
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~ 15

Quality of Stain good

Comments : -

Rock Number 2-207

Rock Type Gwichon - Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	80	7.9
K-feldspar	15	1.4
Plagioclase	658	65.7
Mafics	242	24.1
Others	3	0.3
Total Grid Pts	1008	99.4

Mesh Size ~ 15

Quality of Stain Fair

Comments : qtz-plagioclase. sometimes hard to separate - Fairly strong HF etch.

Rock Number 2-210

Rock Type Bethlehem - Chutaway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	111	15.7
K-feldspar	61	8.7
Plagioclase	432	61.8
Mafics	91	13.0
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size -15

Quality of Stain good

Comments : good HF etch.

Rock Number 2-213

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	129	18.5
k-feldspar	62	8.9
Plagioclase	453	64.8
Mafics	51	7.3
Others	—	—
Total Grid Pts	700	99.5

Mesh Size -15

Quality of Stain good +

Comments :

Rock Number 2-215

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	106	10.5
k-feldspar	144	14.3
Plagioclase	662	66.1
Mafics	77	7.6
Others	8	.8
Total Grid Pts	1008	99.3

Mesh Size ~ 15

Quality of Stain Fair to good

Comments : - good HF etch. for k-spar but
sometimes plag. and qtz difficult
to separate

Rock Number 2-216

Rock Type Beulahem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	95	13.5
k-feldspar	35	5.0
Plagioclase	425	60.6
Mafics	139	19.9
Others	1	.1
Total Grid Pts	700	99.1

Mesh Size ~15

Quality of Stain fair to good

Comments : open and closed interstitial qtz

Rock Number 2-217

Rock Type Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	127	18.1
K-feldspar	113	16.2
Plagioclase	331	47.3
Mafics	118	16.9
Others	2	.3
Total Grid Pts	700	98.8

Mesh Size ~15

Quality of Stain good

Comments : good HF etch

Rock Number 2-217A

Rock Type Hybrid (?)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	27	3.9
k-feldspar	9	1.3
Plagioclase	414	59.3
Mafics	235	33.6
Others	2	.3
Total Grid Pts	700	98.4

Mesh Size ~~15~~ ~15

Quality of Stain Fair

Comments : qtz and plag. difficult to separate.

Rock Number 2-217C

Rock Type Chataway (?)

note - 2-217C not listed
on yellow sheets

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	130	18.6
k-feldspar	181	25.9
Plagioclase	299	42.7
Mafics	82	11.7
Others	6	.7
Total Grid Pts	700	99.6

Mesh Size ~15

Quality of Stain good

Comments : uneven k-spar distribution

Rock Number 2-219

Rock Type Contact Bethlehem (?)
note - not listed on yellow sheets

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	92	13.2
k-feldspar	109	15.0
Plagioclase	449	64.2
Mafics	45	6.4
Others	3	.4
Total Grid Pts	700	99.2

Mesh Size ~15

Quality of Stain Fair to good

Comments : qtz-plag. sometimes difficult to distinguish.

Rock Number 2-220

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	153	21.8
k-feldspar	50	7.2
Plagioclase	465	66.3
Mafics	24	3.4
Others	4	.6
Total Grid Pts	700	99.3

Mesh Size ~ 15

Quality of Stain Fair to good

Comments : plag. & qtz sometimes difficult to separate.

Rock Number 2-222

Rock Type D1

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	137	19.5
k-feldspar	75	10.7
Plagioclase	459	65.5
Mafics	23	3.3
Others	4	.5
Total Grid Pts	700	99.5

Mesh Size ✓ 15

Quality of Stain Fair to good

Comments : play - qtz separation difficulty
occasionally

Rock Number 2-223 X -

Rock Type _____

note - 2-223, I don't think that is the correct no. - the 320 no appears to be on 8

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	152	21.7
k-feldspar	62	8.9
Plagioclase	443	63.1
Mafics	37	5.3
Others	1	.2
Total Grid Pts	700	99.2

Mesh Size ~15

Quality of Stain good

Comments : qtz - plgy. sometimes difficult to separate.
- if anything there will be a higher qtz %

Rock Number 2-225

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	150	21.4
K-feldspar	102	14.5
Plagioclase	409	58.4
Mafics	32	4.6
Others	3	.4
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain good

Comments : a larger mesh size (ie) 10 or 8 could be used as a check against the 15 mesh count.

Rock Number 2-226

Rock Type Bethsaida

note - not listed on
yellow sheets.

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	177	25.3
k-feldspar	144	20.6
Plagioclase	343	49.0
Mafics	29	4.2
Others	—	—
Total Grid Pts	700	99.1

Mesh Size ~15

Quality of Stain fair to good

Comments : good k-spar stain but Qtz.
strongly etched - difficult to separate
with plagioclase occasionally.

Rock Number 2-228

Rock Type keroy (?)

note - not listed on yellow sheets

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	76	10.8
k-feldspar	80	11.4
Plagioclase	445	63.4
Mafics	95	13.5
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain Fair

Comments : Some plgy. partially stained - confusing with respect to k-spar.

Rock Number 2-229

Rock Type Contact Bethlehem (?)

note - not listed on yellow sheets

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	140	20.0
k-feldspar	114	16.3
Plagioclase	398	56.9
Mafics	42	6.0
Others	1	.2
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain Fair

Comments : qtz - plagi - difficult to separate - due to lack of clear spray

Rock Number 2-229

Rock Type Bethlehem (?)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	117	16.7
K-feldspar	75	10.7
Plagioclase	446	63.7
Mafics	52	7.5
Others	5	.7
Total Grid Pts	700	99.3

Mesh Size 415

Quality of Stain Fair

Comments : plagioclase & quartz very difficult to separate

Rock Number 2-24LM

Rock Type DI

Mineral	No. of Pts/Total Grid	Percent of Total Grid
Quartz	81	11.6
K-feldspar	372	53.1
Plagioclase	237	33.9
Mafics	7	1.0
Others	—	—
Total Grid Pts	700	99.6

note - \rightarrow
not all
yellow will
be k-spar
- possibly a
great deal
of sericite
T.S.-required

Mesh Size ~ 15

Quality of Stain good

Comments : wide size range of qtz.

Rock Number 2-248

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	99	19.8
K-feldspar	139	27.8
Plagioclase	232	46.0
Mafics	34	5.7
Others	1	.2
Total Grid Pts	500	99.4

Mesh Size -15

Quality of Stain good

Comments :

Rock Number 2-249

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	5	1.0
K-feldspar	—	—
Plagioclase	348	69.5 69.5
Mafics	143	28.6 28.6
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size -15

Quality of Stain poor to fair

Comments: gray HF etch - play & etc
difficult to separate.

Rock Number 2-257

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	111	22.1
k-feldspar	60	12.0
Plagioclase	304	60.9
Mafics	21	4.2
Others	1	.2
Total Grid Pts	500	99.4

Mesh Size -15

Quality of Stain good

Comments :

Rock Number 2-264

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	9	1.0
K-feldspar	—	—
Plagioclase	443	63.2
Mafics	244	34.9
Others	1	.2
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain Fair

Comments : qtz is very fg - rounded

Rock Number 2-290

Rock Type Contact Phase Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	110	22.0
K-feldspar	26	5.2
Plagioclase	313	62.7
Mafics	47	9.4
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size ~15

Quality of Stain Fair to good

Comments :

Rock Number 2-293

Rock Type Beth.-Chat.

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	55	11.0
K-feldspar	66	13.2
Plagioclase	322	64.5
Mafics	53	10.6
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size ~ 15

Quality of Stain poor to fair

Comments :

Rock Number 2-314A

Rock Type LeRoy

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	114	22.8
K-feldspar	209	41.8
Plagioclase	139	27.9
Mafics	33	6.6
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size ~ 150

Quality of Stain good

Comments :