

Rock Number 3-15

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	91	13.0
k-feldspar	166	23.6
Plagioclase	316	45.1
Mafics	121	17.3
Others	2	.3
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain good

Comments : k-spar 2 high for "typical" guichon  
good H<sub>2</sub>O etch.  
- possible dyke - round qtz, high k-spar etc.

Rock Number 3-23

Rock Type Guichen - with Xenolith (?)

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	44	6.3
k-feldspar	64	9.2
Plagioclase	389 <del>460</del>	55.6 <del>67.6</del>
Mafics	189	27.0
Others	2	.3
Total Grid Pts	700	98.4

Mesh Size ~ 15

Quality of Stain Fair

Comments : qtz & plag. sometimes difficult to separate.

Rock Number 3-32

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	132	13.1
k-feldspar	197	19.6
Plagioclase	429	42.8
Mafics	230	22.9
Others	8	0.7
Total Grid Pts	1008	99.1

Mesh Size ~ 15

Quality of Stain good

Comments : - a lot of k-spr for guichon!?  
- abundant interstitial Qtz  
    ↳ mainly closed interstitial

Rock Number 3-124

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	119	17.0
k-feldspar	68	9.7
Plagioclase	436	62.4
Mafics	71	10.2
Others	1	.2
Total Grid Pts	700	99.5

Mesh Size -15

Quality of Stain fair

Comments : strong HF etch - plagioclase & quartz  
difficult to separate.

Rock Number 3-130

Rock Type Guichen

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	33	4.7
k-feldspar	124	17.7
Plagioclase	383	54.7
Mafics	153	21.9
Others	2	.3
Total Grid Pts	700	99.3

Mesh Size ~ 15

Quality of Stain Fair to good

Comments : lack of Qtz - fig round & wedge.  
Shaped



Rock Number 3-137

Rock Type Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	152	12.8
k-feldspar	163	<del>13.7</del> 13.7
Plagioclase	638	53.9
Mafics	189	15.9
Others	21	1.8
Total Grid Pts	1185	98.1

Mesh Size ✓ 15

Quality of Stain Fair

Comments : - plagioclase was point counted for this specimen  
- qtz and play. - hard to separate  
in some cases...  
- some of the stain is not k-spar

Rock Number 3-172

Rock Type Gurichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	125	17.9
k-feldspar	151	21.6
Plagioclase	285	40.8
Mafics	132	18.9
Others	1	.2
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments : k-spar + texture → 02.?

Rock Number 3-175

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	65	9.3
k-feldspar	130	18.6
Plagioclase	407	58.2
Mafics	91	13.0
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments : possible peggy ?



Rock Number 3-178

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	115	16.4
K-feldspar	120	17.2
Plagioclase	373	53.1
Mafics	87	12.4
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good.

Comments : possible Leroy?

Rock Number 3-179A

Rock Type Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	101	14.4
k-feldspar	133	19.0
Plagioclase	347	49.6
Mafics	108	15.4
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain good

Comments : looks more like Guichen

Rock Number 3-186

Rock Type Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	91	13.0
k-feldspar	97	13.9
Plagioclase	380	54.2
Mafics	124	17.8
Others	2	.3
Total Grid Pts	700	99.2

Mesh Size -15

Quality of Stain fair

Comments : abundant interstitial qtz  
- variable qtz texture  
- qtz I play Sometimes difficult to separate

Rock Number 3-194

Rock Type Bethlehem

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	72	10.3
k-feldspar	65	9.3
Plagioclase	417	59.7
Mafics	140	20.0
Others	1	.2
Total Grid Pts	700	99.5

Mesh Size ~ 15

Quality of Stain Fair to good

Comments : possible herog

Rock Number 3-199

Rock Type Guichan

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	5	.7 <del>1.4</del>
k-feldspar	0	0
Plagioclase	470	67.2
Mafics	217	31.0
Others	3	.4
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain Fair

Comments : Would you believe hybrid !



Rock Number 3-200

Rock Type Guichen

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	18	2.6
k-feldspar	15	2.2
Plagioclase	404	57.7
Mafics	256	36.6
Others	2	.3
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain Fair

Comments : lacking k-spar - more like hybrid

Rock Number 3-206

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	126	18.0
k-feldspar	93	13.3
Plagioclase	313	44.7
Mafics	160	22.9
Others	2	.3
Total Grid Pts	700	99.2

Mesh Size <15

Quality of Stain good+

Comments : unusual abundance of Qtz - for  
Guichon !

Rock Number 3-216

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	113	22.6
K-feldspar	91	18.2
Plagioclase	268	53.7
Mafics	24	4.8
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size N 15

Quality of Stain good

Comments :

Rock Number

3-218DIKE

Rock Type

Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	152	21.7
k-feldspar	237	33.9
Plagioclase	285	40.7
Mafics	22	3.1
Others	2	.3
Total Grid Pts	700	99.7

qtz & feldspar  
sometimes  
occupy the  
same mesh  
intersection  
due to fig  
size.

Mesh Size

-15Quality of Stain good +

Comments : note - qtz very fig - possible high 90 error  
not a bad D1?  
but qtz exhibits a D2 type texture.

Rock Number 3-220

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	102	20.4
K-feldspar	87	17.4
Plagioclase	289	57.9
Mafics	18	3.6
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size N15

Quality of Stain Fair

Comments :



Rock Number 3-222

Rock Type Bethsailer

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	152	21.6
k-feldspar	76	10.8
Plagioclase	406	58.0
Mafics	62	8.8
Others	2	.3
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain good

Comments : mafic is high because of large euhedral biotite.  
- plagioclase sometimes difficult to separate.

Rock Number 3-225

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	185	26.4
K-feldspar	111	15.8
Plagioclase	357	51.0
Mafics	44	6.3
Others	—	—
Total Grid Pts	700	99.5

Mesh Size ~15

Quality of Stain good +

Comments :

Rock Number 3-233

Rock Type Bothsайд q

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	121	24.2
K-Feldspar	83	16.6
Plagioclase	266	53.3
Mafics	25	5.0
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size ~ 15

Quality of Stain good

Comments :

Rock Number 3-235

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	162	23.2
k-feldspar	117	16.7
Plagioclase	377	53.9
Mafics	39	5.6
Others	2	.3
Total Grid Pts	700	99.7

Mesh Size ~15

Quality of Stain good +

Comments :

Rock Number 3-244

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	147	21.0
k-feldspar	90	12.9
Plagioclase	412	58.9
Mafics	44	6.4
Others	—	—
Total Grid Pts	700	99.2

Mesh Size ~ 15

Quality of Stain Fair

Comments :



Rock Number 3-259

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	211	30.2
k-feldspar	81	11.5
Plagioclase	381	54.4
Mafics	23	3.3
Others	—	—
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments : - abundant qtz.

Rock Number 3-273

Rock Type Hybrid

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	151	21.6
k-feldspar	—	—
Plagioclase	422	60.4
Mafics	49	7.0
Others	3	.4
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain fair to good

Comments : typical "hybrid" - "grey"  
- unusually high Qtz content

Rock Number 3-274

Rock Type Le Roy

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	30	6.0
K-feldspar	33	6.6
Plagioclase	323	64.7
Mafics	109	21.8
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size N 15

Quality of Stain good

Comments :

Rock Number 3-281

Rock Type Quartz - Chat.

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	99	19.8
k-feldspar	76	15.2
Plagioclase	227	45.5
Mafics	93	18.6
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size ~ 15

Quality of Stain good.

Comments :

Rock Number

3-284

Rock Type

Chataway

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	99	19.8
K-feldspar	54	10.8
Plagioclase	266	53.3
Mafics	76	15.2
Others	2	.4
Total Grid Pts	500	99.5

Mesh Size

~15

Quality of Stain fair to good

Comments :



Rock Number 3-288

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	165	23.6
k-feldspar	94	13.4
Plagioclase	397	57.6
Mafics	34	4.9
Others	—	—
Total Grid Pts	700	99.5

Mesh Size -15

Quality of Stain good

Comments :

Rock Number 3-290

Rock Type Bethsaida

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	183	26.0
k-feldspar	110	15.7
Plagioclase	350	50.0
Mafics	50	7.2
Others	4	.5
Total Grid Pts	700	99.4

Mesh Size ~15

Quality of Stain good

Comments : good poikilitic hd.  
wide range of qtz sizes

Rock Number 3-297

Rock Type Guichon

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	79	11.3
k-feldspar	2	.3
Plagioclase	395	56.5
Mafics	217	31.0
Others	1	.2
Total Grid Pts	700	99.3

Mesh Size ~15

Quality of Stain poor-fair

Comments : more like hybrid  
note - most of the yellow stain is not  
k-spar but residue from cobalt nitrate

Rock Number 3-309 A

Rock Type Gump lake

Mineral	No. of Pts/ Total Grid	Percent of Total Grid
Quartz	99	19.8
k-feldspar	116	23.2
Plagioclase	224	44.8
Mafics	56	11.2
Others	2	.4
Total Grid Pts	500	99.4

Mesh Size -15

Quality of Stain good

Comments :

Rock Number 3-310

Rock Type Gum Lake

Mineral	No. of Pts/Total Grid	Percent of Total Grid
Quartz	135	27.0
k-feldspar	104	20.8
Plagioclase	224	44.9
Mafics	33	6.6
Others	1	.2
Total Grid Pts	500	99.5

Mesh Size ~ 15

Quality of Stain Fair to good

Comments :