

K 216- 1a (Sep. 14, 2001)

Described by M. Nakagawa

Sample Size : X= 14 cm, Y= 8 cm, Z= 7 cm; **Weight:** 300g

Mn coating : 0.5 mm; **Color (inside the rock):** dark grey

Alteration: no* weak strong; **Vesicularity** 10 %

Lithology: monomict* or polymict

Occurrence: lava * hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

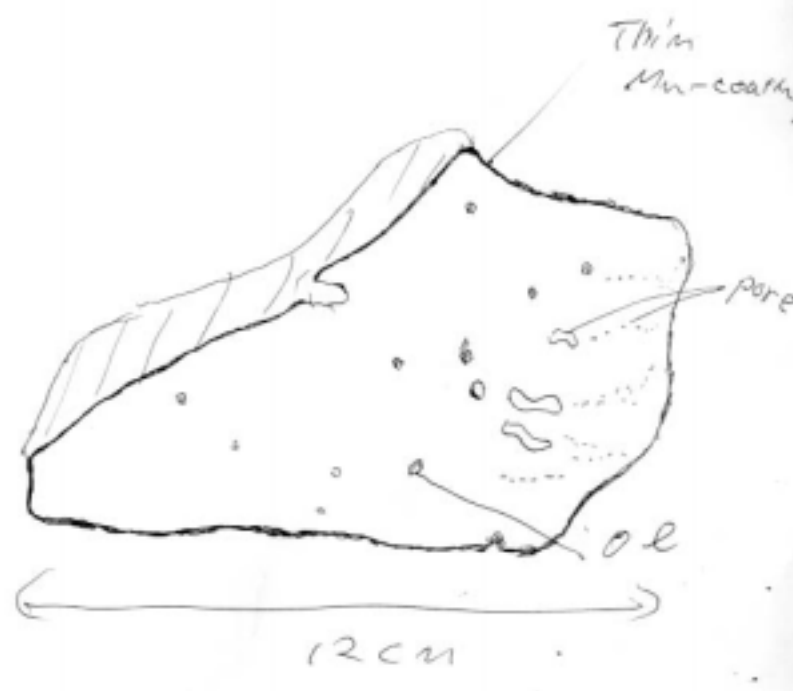
Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts=	ol: 10 %,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----poorly	
Roundness :	round-----angular	
Fabric:	clast-support ----- matrix support	
Grading	normal-----none-----reverse	
Matri	silt sand paragonaite volcanic glass	
	Lithified or un lithified	

Sedimentary structure: _____



2001/ 9/14

K 216- 1b (Sep. 14, 2001)

Described by P. Lipman

Sample Size : X= 8 cm, Y= 6 cm, Z= 6 cm; **Weight:** 100g

Mn coating : <1 mm; **Color (inside the rock):** dark gray

Alteration: no* weak strong; **Vesicularity** 2-3 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 2-3 mm

Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts= ol: 15	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
Rock type: aphyric B, porphyritic B, picrite, others
Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <
Sorting : well-----poorly
Roundness : round-----angular
Fabric: clast-support ----- matrix support
Grading normal-----none-----reverse
Matri silt sand paragonaite volcanic glass
Lithified or un lithified

Sedimentary structure: _____



K 216- 2 (Sep. 14, 2001)

Described by K. Johnson

Sample Size : X= 15 cm, Y= 9 cm, Z= 8 cm; **Weight:** 1kg

Mn coating : 1 mm; **Color (inside the rock):** dark grey

Alteration: no weak* strong; **Vesicularity** 5-7 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite:	Phenocrysts=	%,		%
Ol basalt	Phenocrysts=	ol: 3	%,	pl: 1-2 %
Pl-ol basalt	Phenocrysts=	%,		%
Aphyric rock	Phenocrysts=	%,		%
Others	Phenocrysts=	%,		%

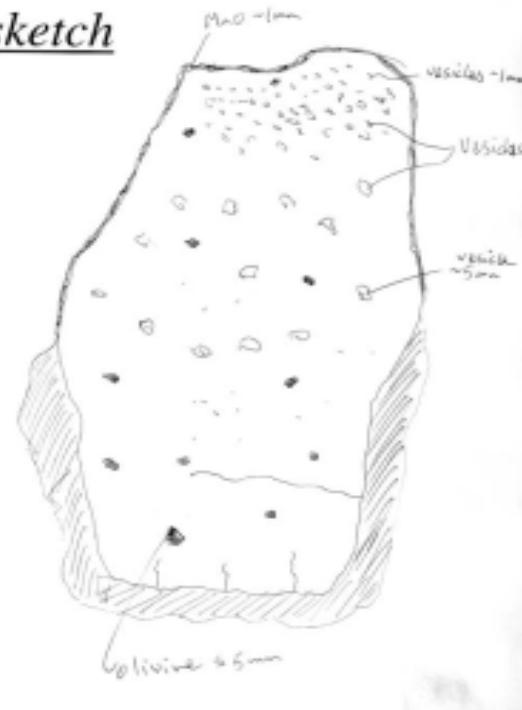
Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand	paragonaite volcanic glass
	Lithified	or un lithified

Sedimentary structure: _____

sketch



K 216- 3 (Sep. 14, 2001)

Described by H. Mashima

Sample Size : X= 16 cm, Y= 15 cm, Z= 14 cm; Weight: 3kg

Mn coating : 0.2 mm; Color (inside the rock): black

Alteration: no* weak strong; Vesicularity 5 %

Lithology: monomict or polymict

Occurrence: lava hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

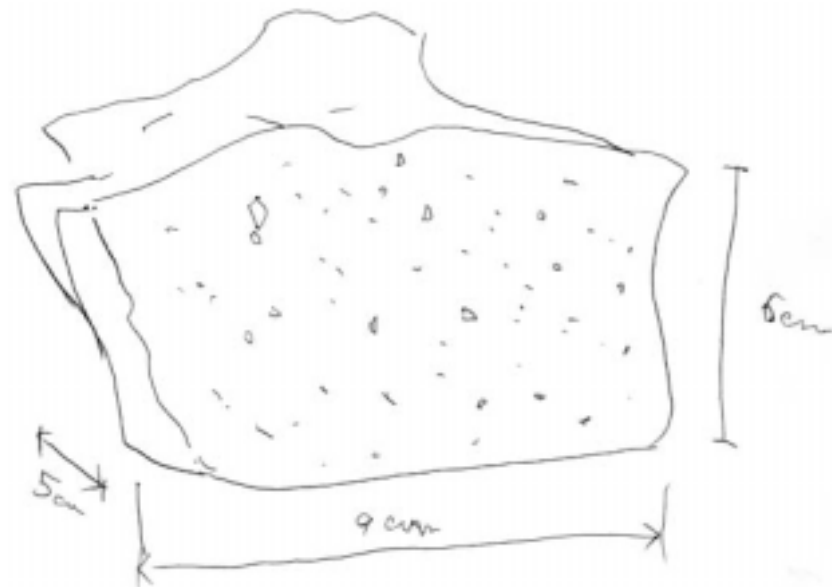
Picrite:	Phenocrysts=		%,		%
Ol basalt*	Phenocrysts=	10	%,		%
Pl-ol basalt	Phenocrysts=		%,		%
Aphyric rock	Phenocrysts=		%,		%
Others	Phenocrysts=		%,		%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
 Rock type: aphyric B, porphyritic B, picrite, others
 Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <
 Sorting : well-----poorly
 Roundness : round-----angular
 Fabric: clast-support ----- matrix support
 Grading normal-----none-----reverse
 Matri silt sand paragonaite volcanic glass
 Lithified or unlithified

Sedimentary structure: _____



K 216- 4 (Sep. 14, 2001)

Described by M. Nakagawa

Sample Size : X= 16 cm, Y= 14 cm, Z= 12cm; **Weight:** 2.5kg

Mn coating : <0.5 mm; **Color (inside the rock):** dark grey

Alteration: no* weak strong; **Vesicularity** 5 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 10 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks_____ol Max 3mm in length , Av. -1mm

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or un lithified

Sedimentary structure:_____



K 216- 5a (Sep. 14, 2001)

Described by M. Coombs

Sample Size : X= 21 cm, Y= 12 cm, Z= 9 cm; **Weight:** 2kg

Mn coating : -0.2 mm; **Color (inside the rock):** dark grey

Alteration: no weak* strong; **Vesicularity** 5 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 5 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks___Coarse groundmass . Plag/ mafic clots.

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure:_____



K 216- 5b (Sep. 14, 2001)

Described by J. Kimura

Sample Size : X= 13 cm, Y= 9 cm, Z= 8 cm; Weight: 1kg

Mn coating : 0.2 mm; Color (inside the rock): black

Alteration: no weak strong; Vesicularity 2 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 7 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
Rock type: aphyric B, porphyritic B, picrite, others
Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <
Sorting : well-----poorly
Roundness : round-----angular
Fabric: clast-support ----- matrix support
Grading normal-----none-----reverse
Matri silt sand paragonaite volcanic glass
Lithified or un lithified

Sedimentary structure: _____



K 216- 6 (Sep. 14, 2001)

Described by Z.-Y. Ren

Sample Size : X= 23 cm, Y= 16 cm, Z= 11 cm; Weight: 5kg

Mn coating : -0.3 mm; Color (inside the rock): black

Alteration: no * weak * strong; Vesicularity 3-5 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

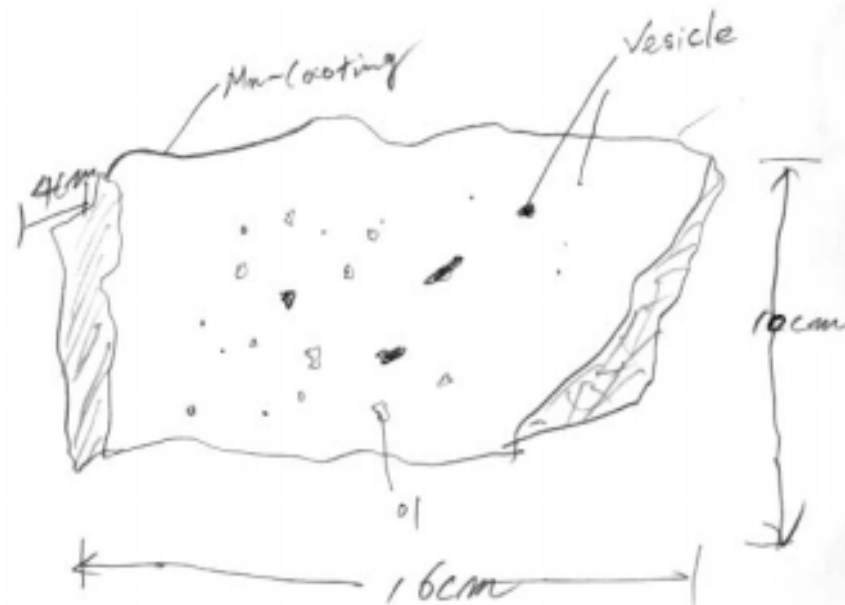
Picrite:	Phenocrysts=		%,	%
Ol basalt*	Phenocrysts=	ol: 7	%,	%
Pl-ol basalt	Phenocrysts=		%,	%
Aphyric rock	Phenocrysts=		%,	%
Others	Phenocrysts=		%,	%

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
 Rock type: aphyric B, porphyritic B, picrite, others
 Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <
 Sorting : well-----poorly
 Roundness : round-----angular
 Fabric: clast-support ----- matrix support
 Grading normal-----none-----reverse
 Matri silt sand paragonaite volcanic glass
 Lithified or unlithified

Sedimentary structure: _____



K 216- 7a (Sep. 14, 2001)

Described by M. Nakagawa

Sample Size : X= 15 cm, Y= 13 cm, Z= 8 cm; Weight: 3kg

Mn coating : 3 mm; Color (inside the rock): dark grey

Alteration: no weak strong; Vesicularity 15 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 10 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks___ol: Max 2mm in length , Av. = -1mm

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

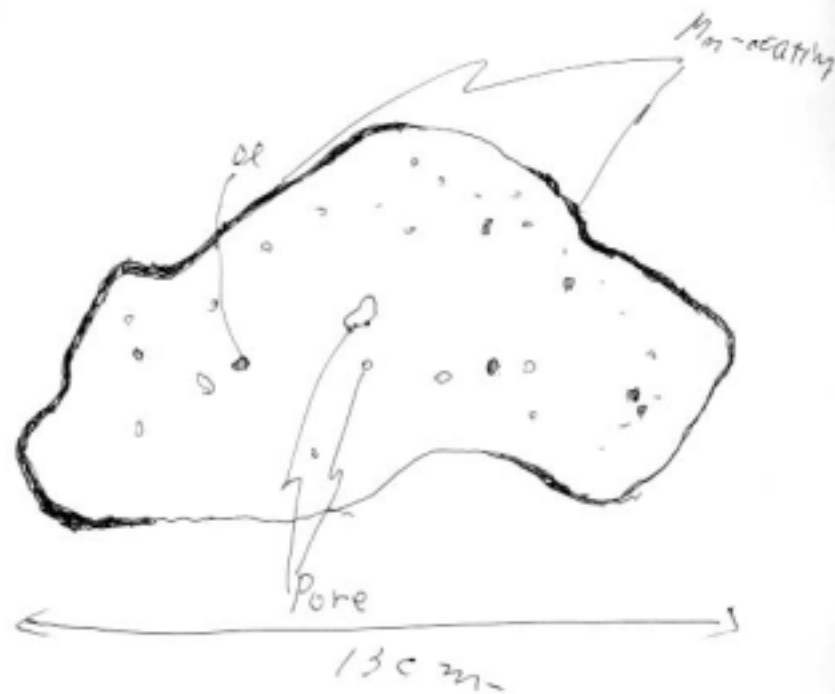
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonite volcanic glass

Lithified or un lithified

Sedimentary structure:_____



K 216- 7b (Sep. 14, 2001)

Described by H, Mashima

Sample Size : X= 13 cm, Y= 13 cm, Z= 10 cm; **Weight:** 4.5kg

Mn coating : 2.5 mm; **Color (inside the rock):** black

Alteration: no* weak strong; **Vesicularity** 15 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 10 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 216- 8a (Sep. 14, 2001)

Described by T. Kani

Sample Size : X= 14 cm, Y= 10 cm, Z= 7 cm; Weight: 2kg

Mn coating : 1.5 mm; Color (inside the rock): black

Alteration: no weak* strong; Vesicularity 5 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

Picrite: Phenocrysts= _____ %, _____ %

Ol basalt* Phenocrysts= ol: 10 _____ %, _____ %

Pl-ol basalt Phenocrysts= _____ %, _____ %

Aphyric rock Phenocrysts= _____ %, _____ %

Others Phenocrysts= _____ %, _____ %

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

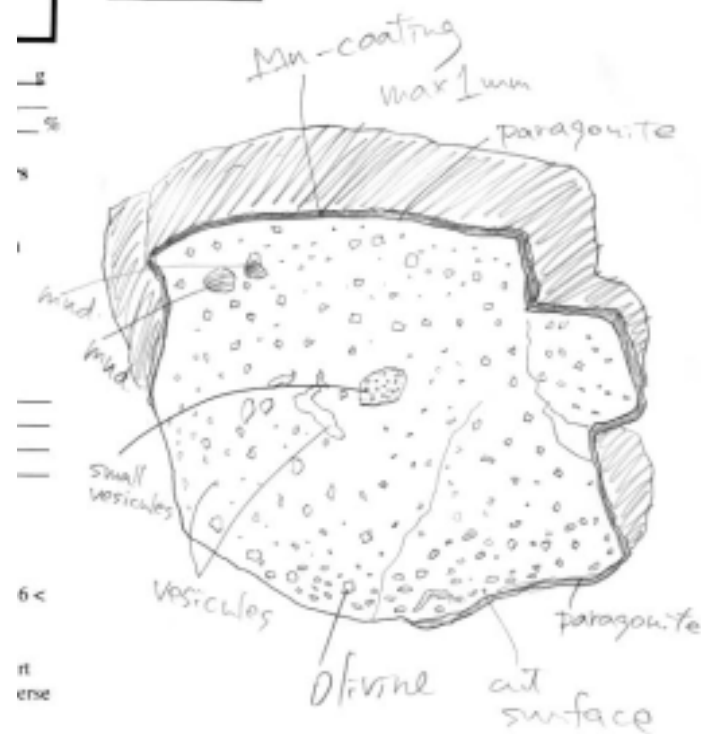
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 216- 8b (Sep. 14, 2001)

Described by T. Hanyu

Sample Size : X= 5 cm, Y= 5 cm, Z= 4 cm; Weight: 80g

Mn coating : 0.5 mm; Color (inside the rock): _____

Alteration: no weak* strong; Vesicularity 5 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 5 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonite volcanic glass

Lithified or un lithified

Sedimentary structure: _____



K 216- 8c (Sep. 14, 2001)

Described by J. Kimura

Sample Size : X= 8 cm, Y= 6 cm, Z= 4 cm; Weight: 80g

Mn coating : 0.8 mm; Color (inside the rock): black

Alteration: no weak strong; Vesicularity 15 %

Lithology: monomict or polymict

Occurrence: lava hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

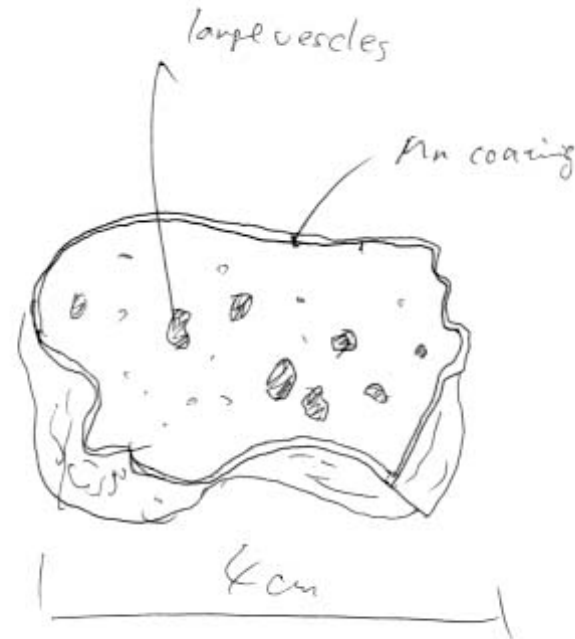
Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts= ol: 10	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
 Rock type: aphyric B, porphyritic B, picrite, others
 Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <
 Sorting : well-----poorly
 Roundness : round-----angular
 Fabric: clast-support ----- matrix support
 Grading normal-----none-----reverse
 Matri silt sand paragonaite volcanic glass
 Lithified or unlithified

Sedimentary structure: _____



K 216- 9 (Sep. 14, 2001)

Described by M. Maruyama

Sample Size : X= 18 cm, Y= 12 cm, Z= 8 cm; Weight: 2.2kg

Mn coating : 3 mm; Color (inside the rock): black

Alteration: no weak* strong; Vesicularity 10 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

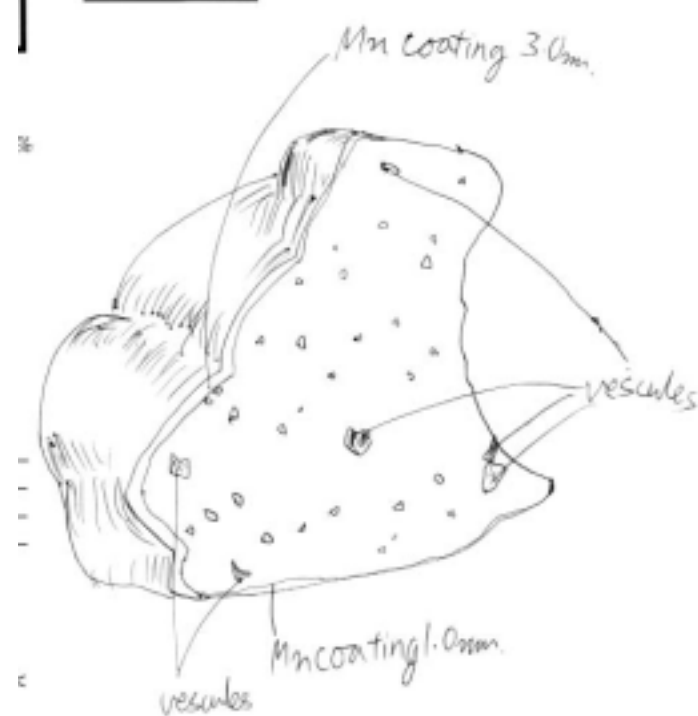
Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts= ol: 10	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand paragonaite volcanic glass	Lithified or un lithified

Sedimentary structure: _____



K 216- 10 (Sep. 14, 2001)

Described by T. Hanyu

Sample Size : X= 10 cm, Y= 10 cm, Z= 9 cm; **Weight:** 800g

Mn coating : 3 mm; **Color (inside the rock):** dark grey

Alteration: no* weak strong; **Vesicularity** 5-10 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt * Phenocrysts= ol: 5 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

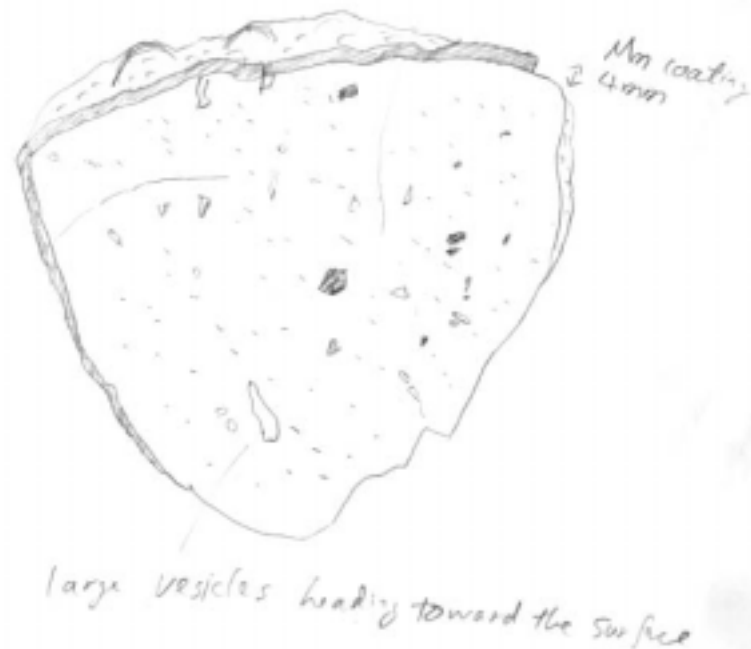
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or un lithified

Sedimentary structure: _____



K 216- 11a (Sep. 14, 2001)

Described by K. Johnson

Sample Size : X= 19 cm, Y= 11 cm, Z= 9 cm; **Weight:** 1.5kg

Mn coating : 2.5 mm; **Color (inside the rock):** dark grey

Alteration: no weak* strong; **Vesicularity** 8-10 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 8-10 %, pl: 8-10 %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks___thick Mn is angle cut ; normal thickness = 2mm

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly
Rock type: aphyric B, porphritic B, picrite, others
Grain size (mm) : < 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <
Sorting : well-----poorly
Roundness : round-----angular
Fabric: clast-support ----- matrix support
Grading normal-----none-----reverse
Matri silt sand paragonaite volcanic glass
Lithified or unlithified

Sedimentary structure:_____



K 216- 11b (Sep. 14, 2001)

Described by H. Mashima

Sample Size : X= 17 cm, Y= 12 cm, Z= 8 cm; Weight: 2.5kg

Mn coating : 2 mm; Color (inside the rock): black

Alteration: no* weak strong; Vesicularity 30 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

Picrite: Phenocrysts= _____ %, _____ %

Ol basalt* Phenocrysts= ol: 10 _____ %, _____ %

Pl-ol basalt Phenocrysts= _____ %, _____ %

Aphyric rock Phenocrysts= _____ %, _____ %

Others Phenocrysts= _____ %, _____ %

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

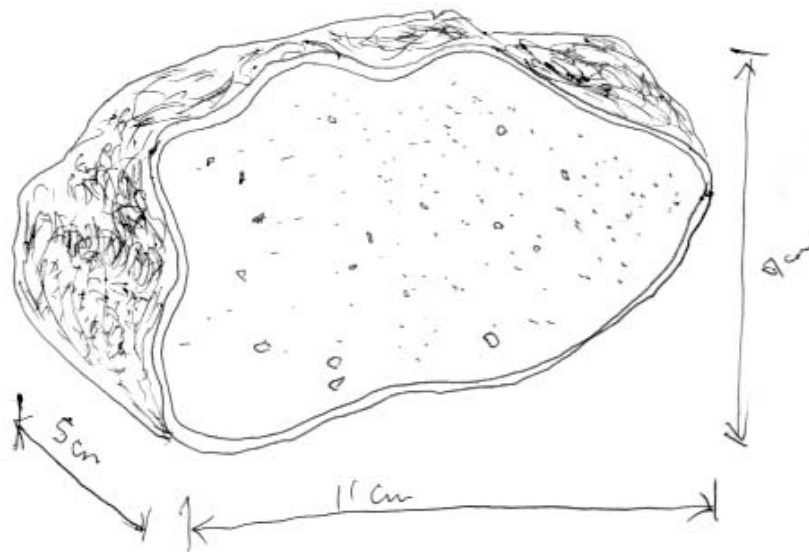
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 216- 11c (Sep. 14, 2001)

Described by Z.-Y. Ren

Sample Size : X= 11 cm, Y= 6 cm, Z= 6 cm; **Weight:** 500g

Mn coating : 1.5 mm; **Color (inside the rock):** black

Alteration: no weak* strong; **Vesicularity** 15 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass _____ mm

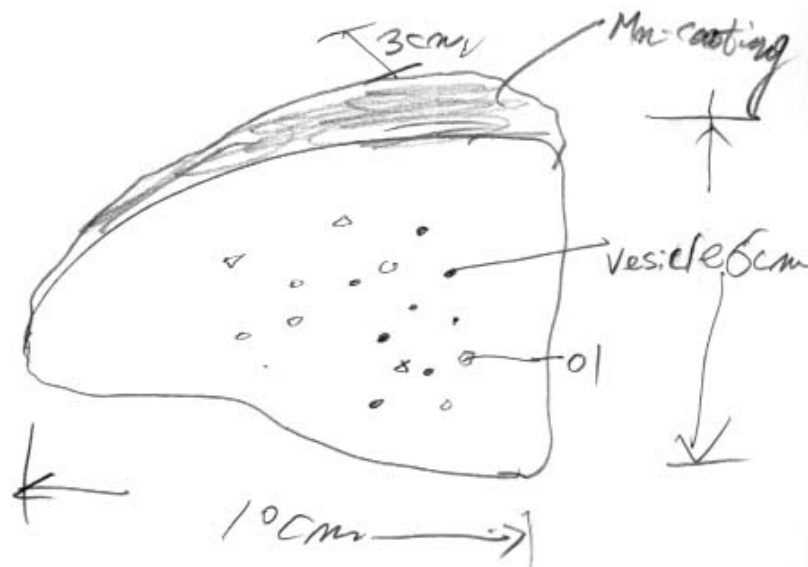
	Phenocrysts=		%,	%
Picrite:				
Ol basalt*		ol: 5	%,	%
Pl-ol basalt			%,	%
Aphyric rock			%,	%
Others			%,	%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand	paragonaite volcanic glass
	Lithified	or un lithified

Sedimentary structure: _____



K 216- 12a (Sep. 14, 2001)

Described by P. Lipman

Sample Size : X= 19 cm, Y= 12 cm, Z= 9 cm; **Weight:** 3kg

Mn coating : 1 mm; **Color (inside the rock):** black

Alteration: no* weak strong; **Vesicularity** 15-20 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

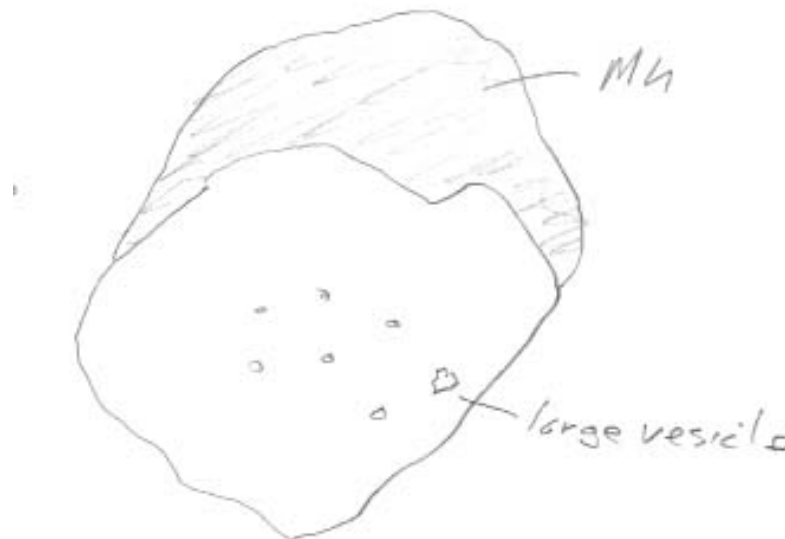
Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts=	ol: 15 %,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphritic B, picrite, others	
Grain size (mm) :	< 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand	paragonaite volcanic glass
	Lithified	or un lithified

Sedimentary structure: _____



K 216- 12b (Sep. 14, 2001)

Described by N. Noguchi

Sample Size : X= 11 cm, Y= 10 cm, Z= 7 cm; **Weight:** 1kg

Mn coating : 1 mm; **Color (inside the rock):** black

Alteration: no weak* strong; **Vesicularity** 15- 20 %

Lithology: monomict * or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 10 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphyritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

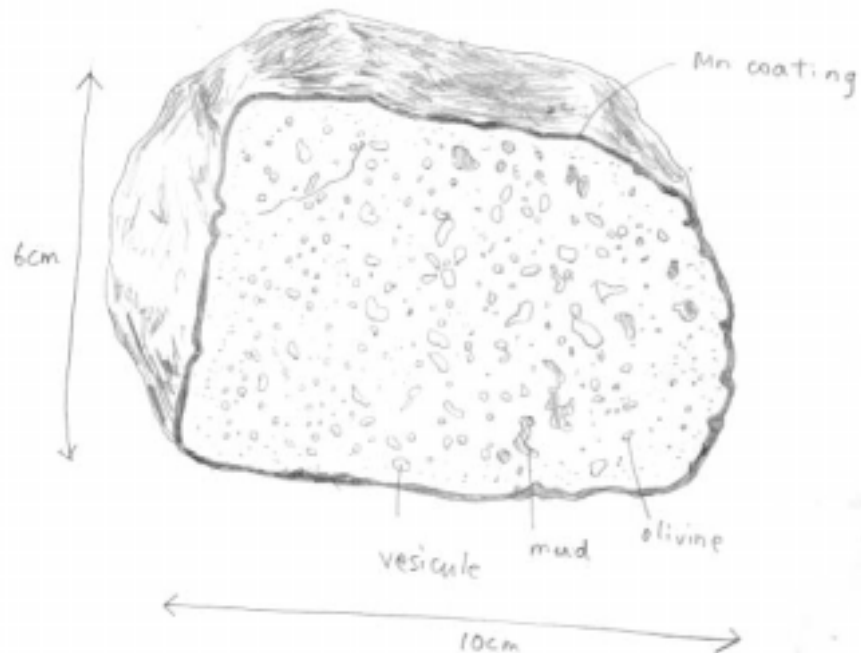
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonite volcanic glass

Lithified or un lithified

Sedimentary structure: _____



K 216- 12c (Sep. 14, 2001)

Described by P. Lipman

Sample Size : X= 10 cm, Y= 7 cm, Z= 5 cm; **Weight**: 400g

Mn coating : 1 mm; **Color (inside the rock)**: black

Alteration: no* weak strong; **Vesicularity** 15 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite: Phenocrysts= %, %

Ol basalt* Phenocrysts= ol: 10 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

Rock type: aphyric B, porphritic B, picrite, others

Grain size (mm) : < 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <

Sorting : well-----poorly

Roundness : round-----angular

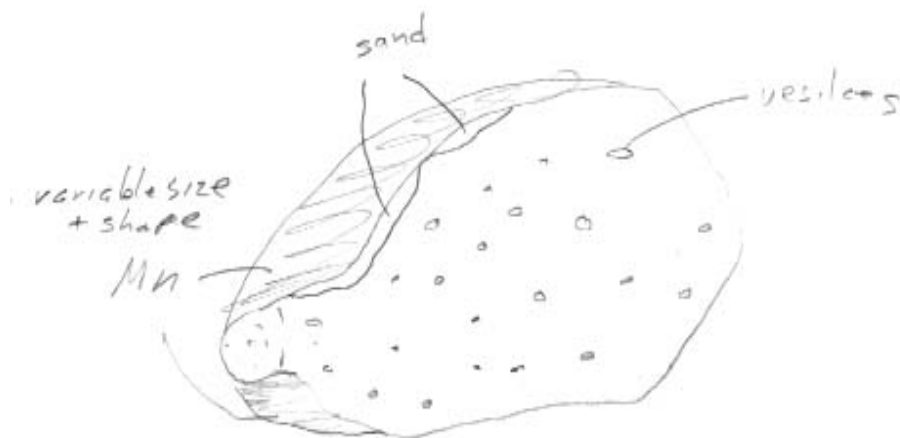
Fabric: clast-support ----- matrix support

Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 216- 12d (Sep. 14, 2001)

Described by J. Kimura

Sample Size : X= 6 cm, Y= 5 cm, Z= 5 cm; **Weight:** 150 g

Mn coating : 0.5 mm; **Color (inside the rock):** black

Alteration: no weak strong; **Vesicularity** 15 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

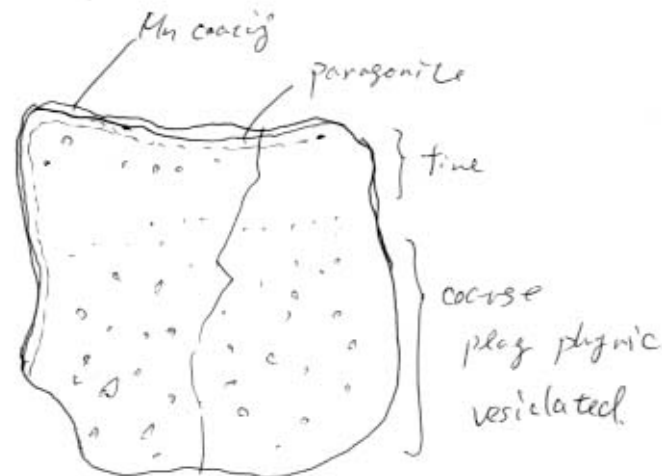
Picrite:	Phenocrysts=	%,		%
Ol basalt	Phenocrysts=	%,		%
Pl-ol basalt*	Phenocrysts=	ol: 15 %,	pl: 5	%
Aphyric rock	Phenocrysts=	%,		%
Others	Phenocrysts=	%,		%

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand	paragonaite volcanic glass
	Lithified	or un lithified

Sedimentary structure: _____



K 216- 13 (Sep. 14, 2001)

Described by T. Kunikiyo

Sample Size : X= 10 cm, Y= 8 cm, Z= 7 cm; **Weight:** 400g

Mn coating : 3 mm; **Color (inside the rock):** dark grey

Alteration: no* weak strong; **Vesicularity** 7 %

Lithology: monomict* or polymict

Occurrence: lava hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts=	ol: 10 %,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks _____

Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand paragonaite volcanic glass	
	Lithified or un lithified	

Sedimentary structure: _____

sketch

