

K 215- 1 (Sep. 13, 2001)

Described by Y. Orihashi

Sample Size : X= 15 cm, Y= 12 cm, Z= 6 cm; Weight: 1.5kg

Mn coating : <0.1 mm; Color (inside the rock): dark grey

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=	3-5	%,		%
Pl-ol basalt	Phenocrysts=		%,		%
Aphyric rock	Phenocrysts=		%,		%
Others	Phenocrysts=		%,		%

Remarks_____rarely cpx pheno.

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 215- 2 (Sep. 13, 2001)

Described by Y. Orihashi

Sample Size : X= 11 cm, Y= 9 cm, Z= 8 cm; **Weight:** 1kg

Mn coating : <0.1 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: 5-10 %, %

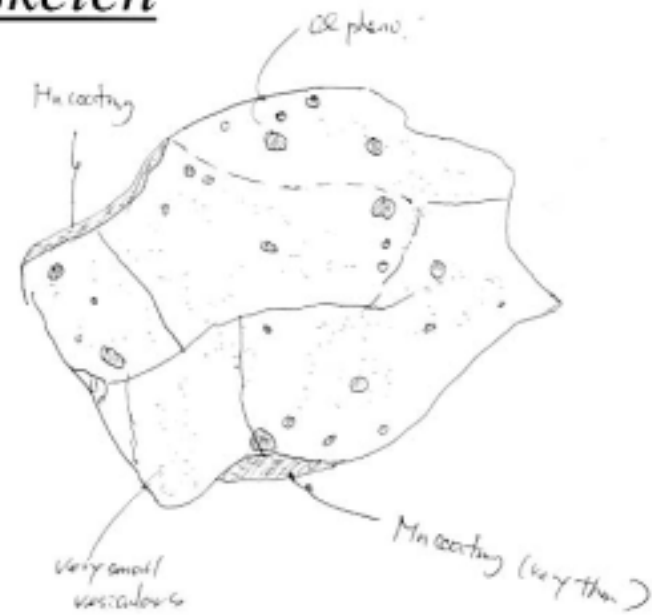
Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks___ol pheno : Max 5mm

Sketch



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 215- 3a (Sep. 13, 2001)

Described by M. Nakagawa

Sample Size : X= 6 cm, Y= 5 cm, Z= 5 cm; Weight: 100g

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

Alteration: no weak* strong; Vesicularity 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:8 %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks_____ol max 3mm, av -0.5mm

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

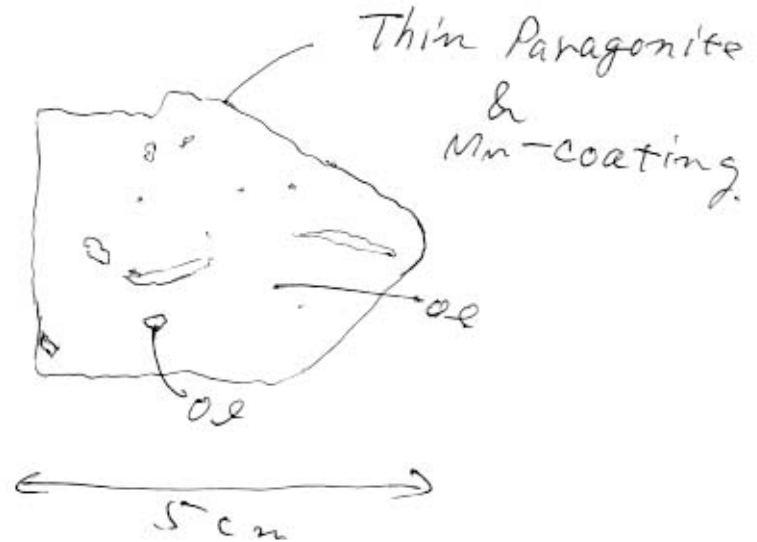
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure:_____



K 215- 3b (Sep. 13, 2001)

Described by T. Hanyu

Sample Size : X= 17 cm, Y= 12 cm, Z= 8 cm; Weight: 2kg

Mn coating : <0.5 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 0 mm

Picrite: Phenocrysts= %, %

Ol basalt Phenocrysts= ol: 5-10 %, %

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

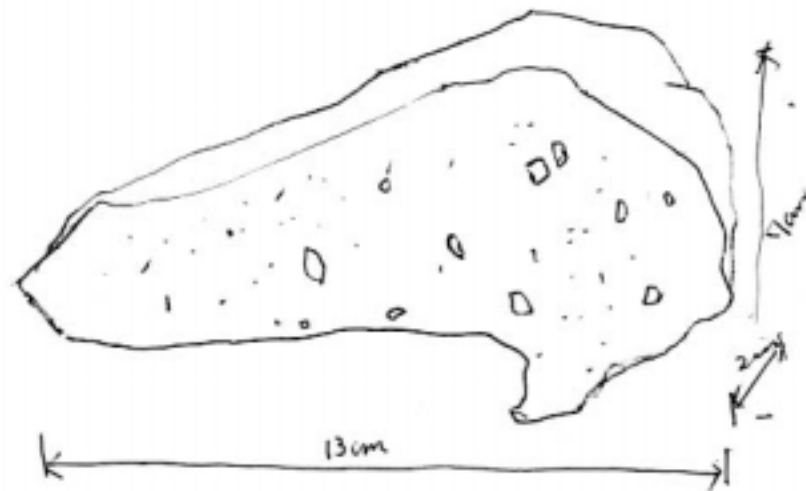
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 215- 4 (Sep. 13, 2001)

Described by T. Hanyu

Sample Size : X= 14 cm, Y= 9 cm, Z= 7 cm; Weight: 500g

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

Alteration: no weak* strong; Vesicularity 2 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 3 mm

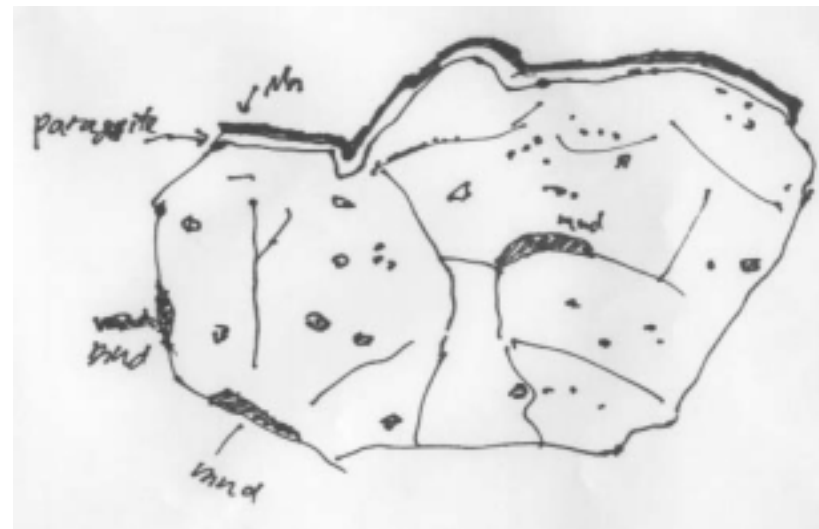
Picrite:	Phenocrysts=		%,		%
Ol basalt *	Phenocrysts=	ol: 5	%,	pl: 2	%
Pl-ol basalt	Phenocrysts=		%,		%
Aphyric rock	Phenocrysts=		%,		%
Others	Phenocrysts=		%,		%

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 215- 5 (Sep. 13, 2001)

Described by _____

Sample Size : X= 16 cm, Y= 15 cm, Z= 13 cm; **Weight:** 3.5kg

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

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: 8 %,	%
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 215- 6 (Sep. 13, 2001)

Described by T. Kani

Sample Size : X= 20 cm, Y= 15 cm, Z= 9 cm; Weight: 2kg

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

Alteration: no weak* strong; Vesicularity 3 %

Lithology: monomict* or polymict

Occurrence: lava * hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

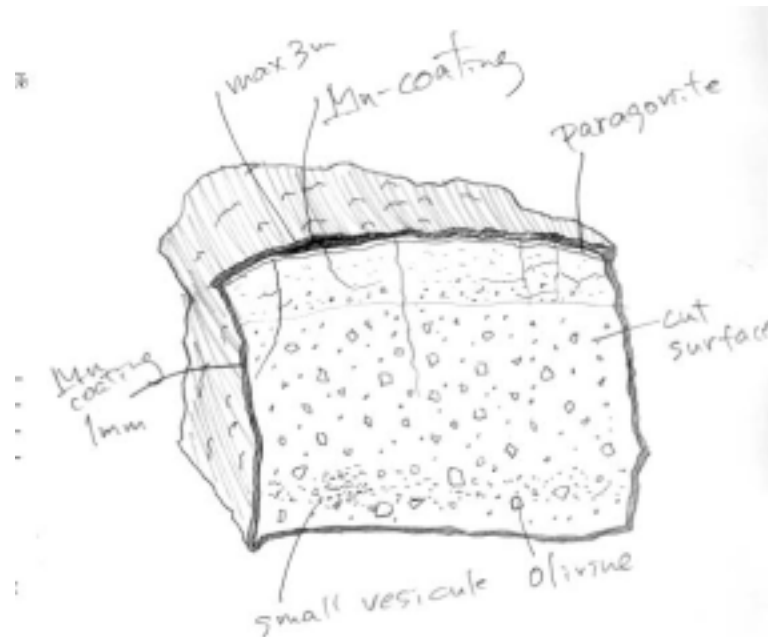
Picrite:	Phenocrysts=		%,		%
Ol basalt*	Phenocrysts=	ol: 10	%,		%
Pl-ol basalt	Phenocrysts=		%,		%
Aphyric rock	Phenocrysts=		%,		%
Others	Phenocrysts=		%,		%

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: _____



K 215- 7 (Sep. 13, 2001)

Described by Y. Orihashi

Sample Size : X= 12 cm, Y= 10 cm, Z= 5 cm; Weight: 800g

Mn coating : <2 mm; Color (inside the rock): dark grey

Alteration: no* weak strong; Vesicularity <3 %

Lithology: monomict* or polymict

Occurrence: lava * hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

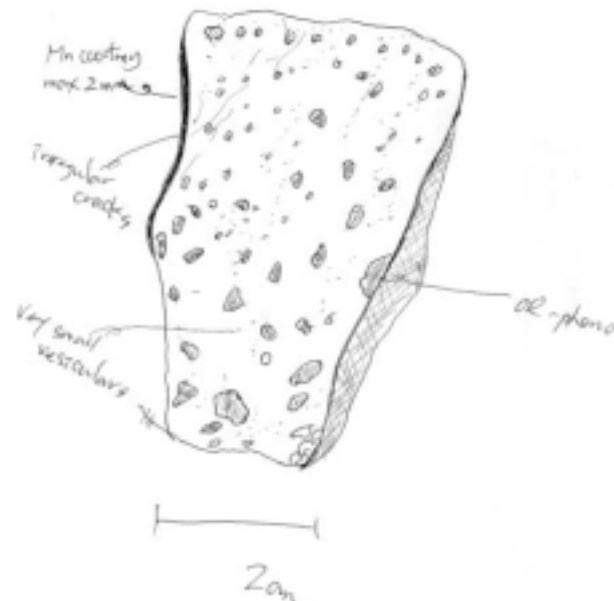
Picrite*	Phenocrysts=	ol: 25-30 %,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks___ol: pheno : Max 10mm

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 215- 8 (Sep. 13, 2001)

Described by T. Hanyu

Sample Size : X= 27 cm, Y= 17 cm, Z= 16 cm; Weight: 8kg

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

Alteration: no* weak strong; Vesicularity 3 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 3 mm

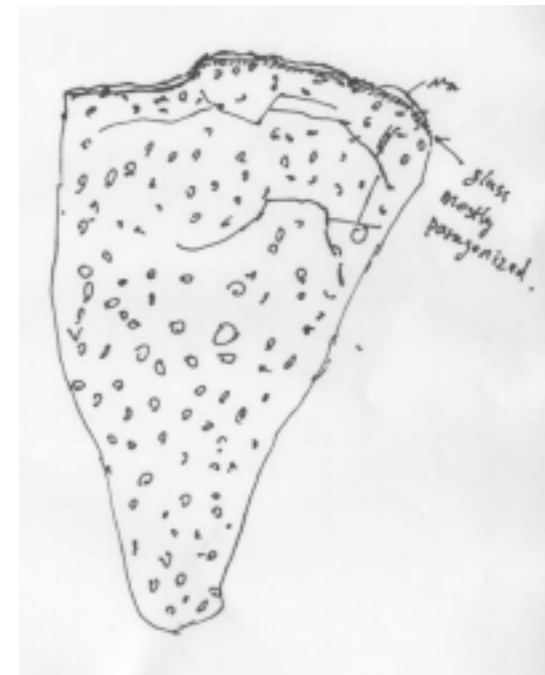
Picrite*	Phenocrysts=	ol: 20-25 %,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

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 215- 9 (Sep. 13, 2001)

Described by M. Maruyama

Sample Size : X= 18 cm, Y= 10 cm, Z= 9 cm; Weight: 2kg

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

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: 25-30 %, %

Ol basalt Phenocrysts= %, %

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, 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 215- 10 (Sep. 13, 2001)

Described by M. Coombs

Sample Size : X= 19 cm, Y= 12 cm, Z= 12 cm; **Weight:** 1.5kg

Mn coating : 0.5-1 mm; **Color (inside the rock):** dark grey

Alteration: no * weak strong; **Vesicularity** 0 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass <<1 mm

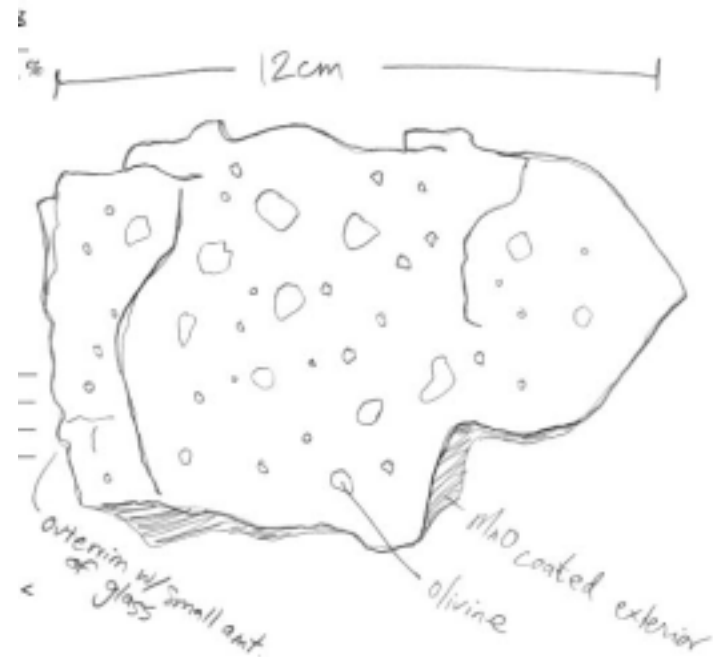
Picrite *	Phenocrysts=	ol: 25	%,	%
Ol basalt	Phenocrysts=		%,	%
Pl-ol basalt	Phenocrysts=		%,	%
Aphyric rock	Phenocrysts=		%,	%
Others	Phenocrysts=		%,	%

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 215- 11 (Sep. 13, 2001)

Described by T. Kani

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

Mn coating : 0.1 mm; **Color (inside the rock):** dark grey

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

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite*	Phenocrysts=	ol: 30	%,	%
Ol basalt	Phenocrysts=		%,	%
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 215- 12 (Sep. 13, 2001)

Described by M. Maruyama

Sample Size : X= 12 cm, Y= 9 cm, Z= 7 cm; Weight: 800g

Mn coating : -0.5 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 0 mm

Picrite* Phenocrysts= ol: 20-25 %, %

Ol basalt Phenocrysts= %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks mud in vesicles

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

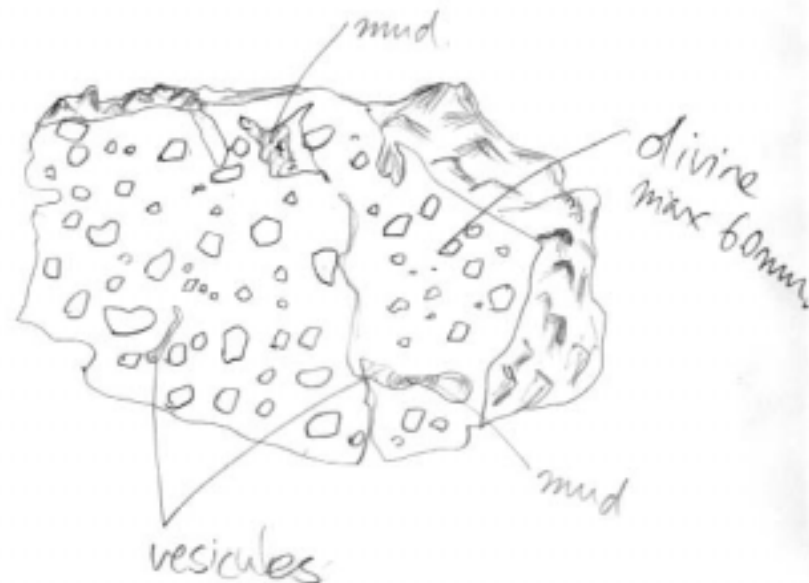
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 215- 13a (Sep. 13, 2001)

Described by J. Kimura

Sample Size : X= 10 cm, Y= 9 cm, Z= 6 cm; Weight: 200g

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

Alteration: no* weak strong; Vesicularity 3 %

Lithology: monomict or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

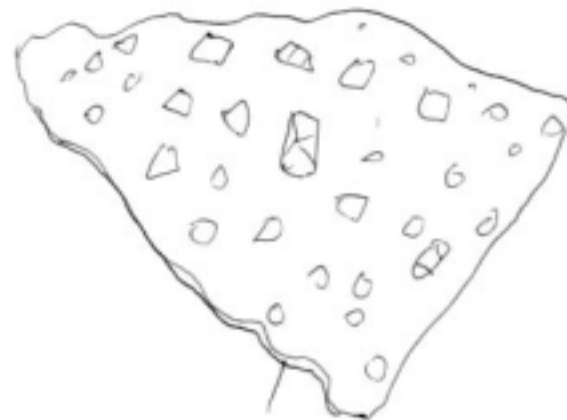
Picrite*	Phenocrysts=	ol: 20	%,	%
Ol basalt	Phenocrysts=		%,	%
Pl-ol basalt	Phenocrysts=		%,	%
Aphyric rock	Phenocrysts=		%,	%
Others	Phenocrysts=		%,	%

Remarks _____

Volcaniclastic rocks and others (characteristic of the clasts)

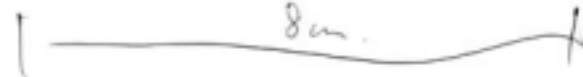
Fragments comp.:	mono	poly
Rock type:	aphyric B, porphyritic B, picrite, others	
Grain size (mm) :	< 1 - 2 - 4 - 8 - 16 - 32 - 64 - 128 - 256 <	
Sorting :	well-----	poorly
Roundness :	round-----	angular
Fabric:	clast-support -----	matrix support
Grading	normal-----	none-----reverse
Matri	silt sand	paragonaite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

Sedimentary structure: _____



Hand-drawn

8cm



K 215- 13b (Sep. 13, 2001)

Described by T. Kani

Sample Size : X= 16 cm, Y= 13 cm, Z= 8 cm; Weight: 2kg

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

Alteration: no* weak strong; Vesicularity 1 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite*	Phenocrysts=	ol: 20 %,	%
Ol basalt	Phenocrysts=	%,	%
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 215- 14 (Sep. 13, 2001)

Described by T. Hanyu

Sample Size : X= 24 cm, Y= 19 cm, Z= 17 cm; Weight: 8kg

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

Alteration: no* weak strong; Vesicularity 3 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite*	Phenocrysts=	ol:15-20 %,	pl: 1	%
Ol basalt	Phenocrysts=	%,		%
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 215- 15 (Sep. 13, 2001)

Described by _____

Sample Size : X= 14 cm, Y= 10 cm, Z= 8 cm; **Weight:** 800g

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

Alteration: no * weak strong; **Vesicularity** 10- 15 %

Lithology: monomict* or polymict

Occurrence: lava* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

Picrite* Phenocrysts= ol: 25 %, %

Ol basalt Phenocrysts= %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks___ol pheno _max 7mm, vesicularity is relatively high

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

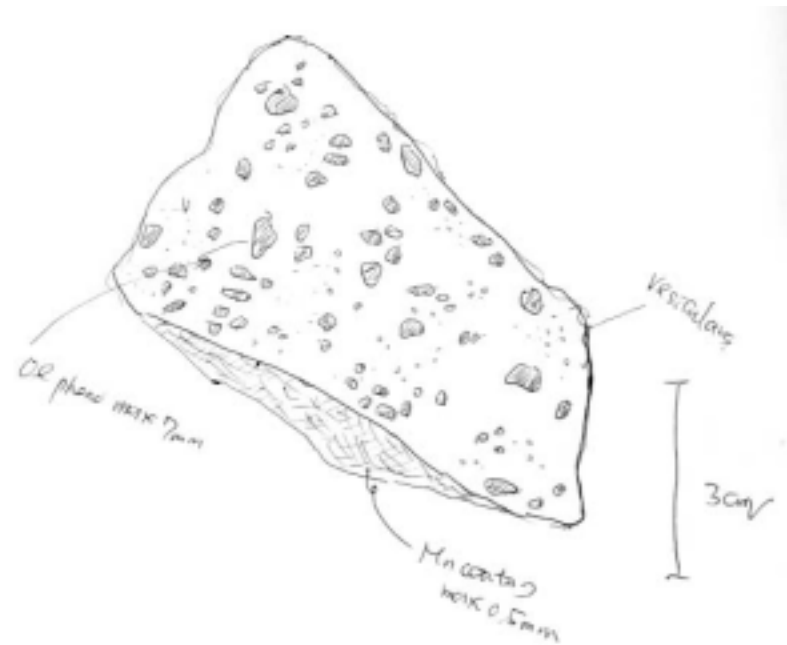
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: _____



K 215- 16 (Sep. 13, 2001)

Described by M. Comms

Sample Size : X= 24 cm, Y= 18 cm, Z= 9 cm; Weight: 9kg

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

Alteration: no weak* strong; Vesicularity 0 %

Lithology: monomic*t or polymict

Occurrence: lava* hyaloclastite volcanics others

Rock types (lava and hyaloclastite)

Thickness of glass 0-5 mm

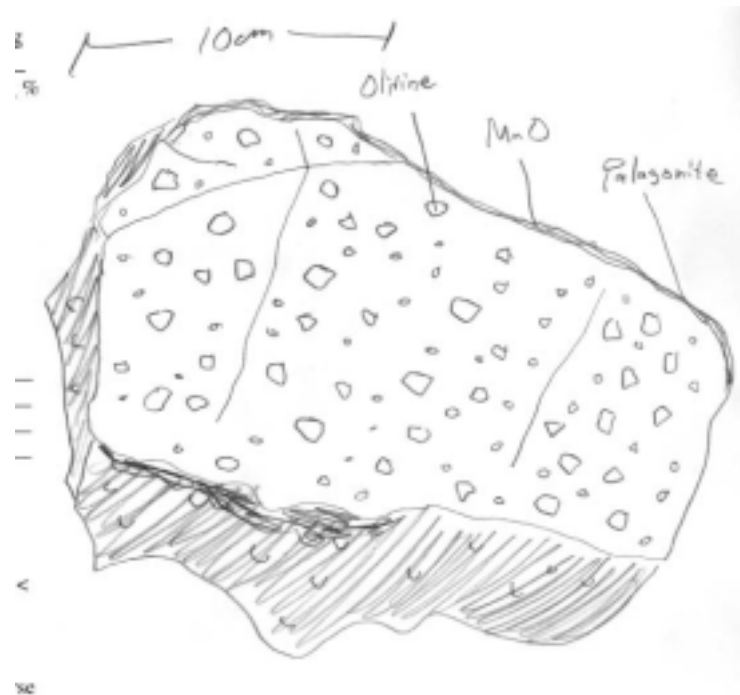
Picrite*	Phenocrysts=	ol: 22	%,	%
Ol basalt	Phenocrysts=		%,	%
Pl-ol basalt	Phenocrysts=		%,	%
Aphyric rock	Phenocrysts=		%,	%
Others	Phenocrysts=		%,	%

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 215- 17 (Sep. 13, 2001)

Described by

Sample Size : X= 11 cm, Y= 8 cm, Z= 6 cm; **Weight:** 600g

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

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: 20 %, %

Ol basalt Phenocrysts= %, %

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: _____

