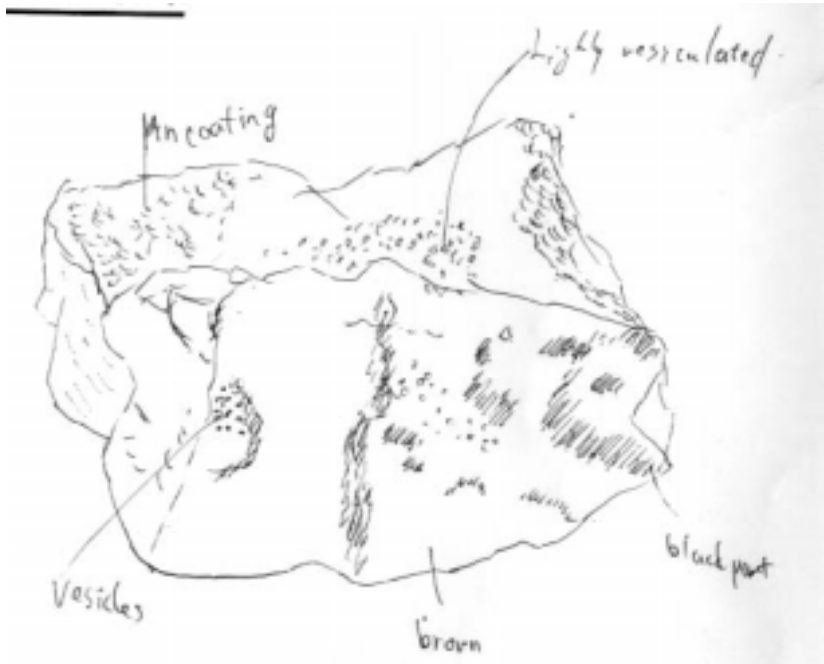
K 217- 1 (Sep. 16, 2001)
Described by Yokose



Sample Size : X= 20cm, Y= 13 cm, Z= 7cm; **Weight**: 800g
Mn coating : <0.2mm; **Color (inside the rock)**:_brown, black
Alteration: no weak strong*; **Vesicularity** _____ %
Lithology: monomict or polymict
Occurrence: lava hyaloclastite volcaniclastics others *

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
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 unlithified
Sedimentary structure: Hydrothermal altered rock ? Old sand stone?

K 217- 2 (Sep. 16, 2001)

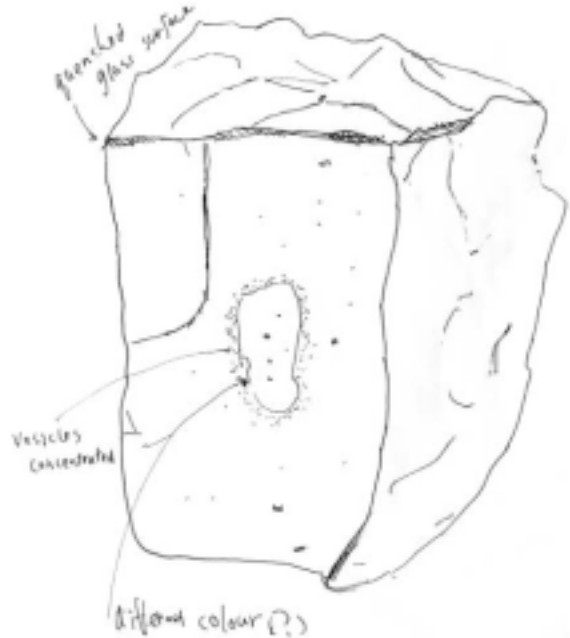
Described by _____

Sample Size : X= 13cm, Y= 10 cm, Z= 8cm; **Weight**: 500g
Mn coating : <0.1mm; **Color (inside the rock)**:black
Alteration: no* weak strong; **Vesicularity** <1 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass	0.3mm		
Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

Remarks Quenched glass surface



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 217- 3a (Sep. 16, 2001)

Described by _____

Sample Size : X= 23cm, Y= 14cm, Z= 14cm; **Weight**: 5kg
Mn coating : 0 mm; **Color (inside the rock)**:black
Alteration: no* weak strong; **Vesicularity** 0%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0.3mm

Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

Remarks Reddish brown material (palagonite?) covers surface of the rock

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 217- 3b (Sep. 16, 2001)
Described by Y.Orihashi

Sample Size : X= 8cm, Y= 6cm, Z=5cm; **Weight**: 100g
Mn coating : 0 mm; **Color (inside the rock)**:black, partly brown
Alteration: no* weak strong; **Vesicularity** 0%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass	up to 7mm		
Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

Remarks : Brown –colored glass (oxization)

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

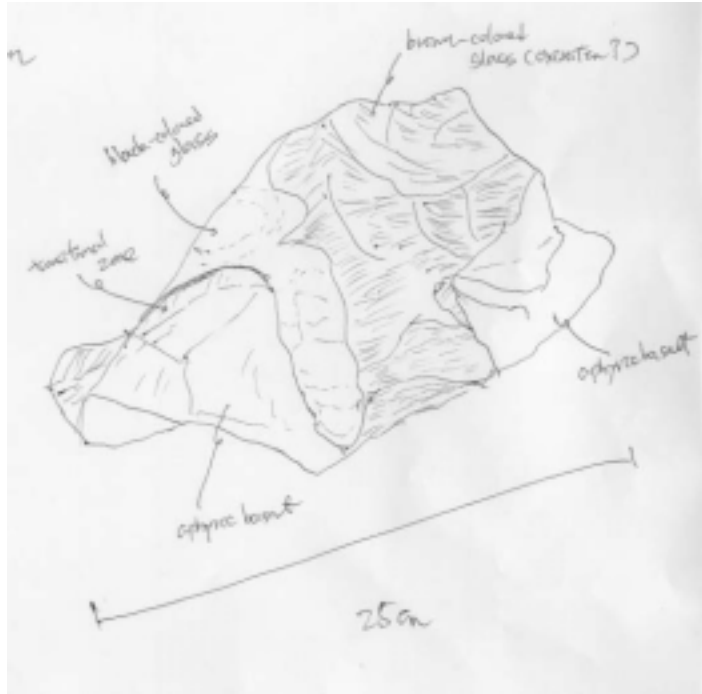
Sedimentary structure:_____
_____
_____

K 217-3c (Sep. 14, 2001)
Described by _____

Sample Size : X= 25cm, Y= 20 cm, Z= 17cm; **Weight**: 12kg
Mn coating : none mm; **Color (inside the rock)**dark brown
Alteration: no* weak strong; **Vesicularity** none %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
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 unlithified
Sedimentary structure:_____
_____
_____



K 217- 4 (Sep. 16, 2001)
Described by Y.Orihashi

Sample Size : X= 8cm, Y= 6cm, Z=5cm; **Weight**: 100g
Mn coating : 0 mm; **Color (inside the rock)**:black, partly brown
Alteration: no weak * strong; **Vesicularity** <1%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 3 mm

Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

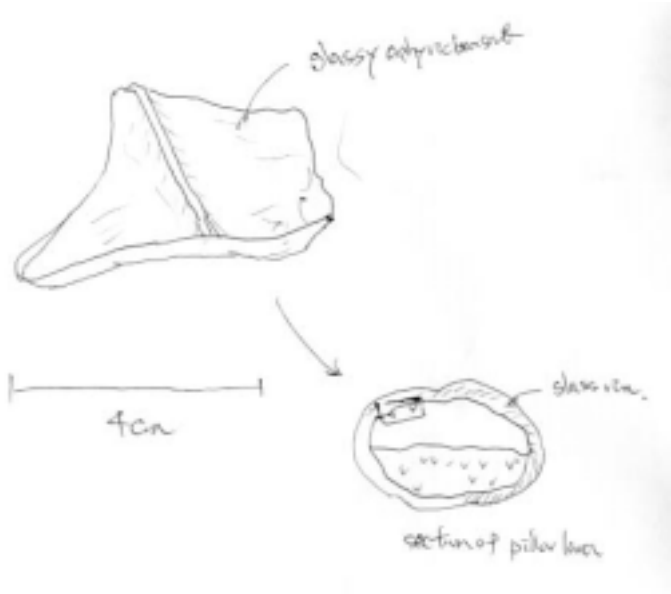
Remarks : Reddish brown material on the rock's surface

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 217- 5 (Sep. 16, 2001)
Described by



Sample Size : X= 8cm, Y= 6cm, Z=5cm; **Weight**: 100g
Mn coating : 0 mm; **Color (inside the rock)**:black, partly brown
Alteration: no weak * strong; **Vesicularity** <1%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others
Rock types (lava and hyaloclastite)
Thickness of glass <1mm

Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

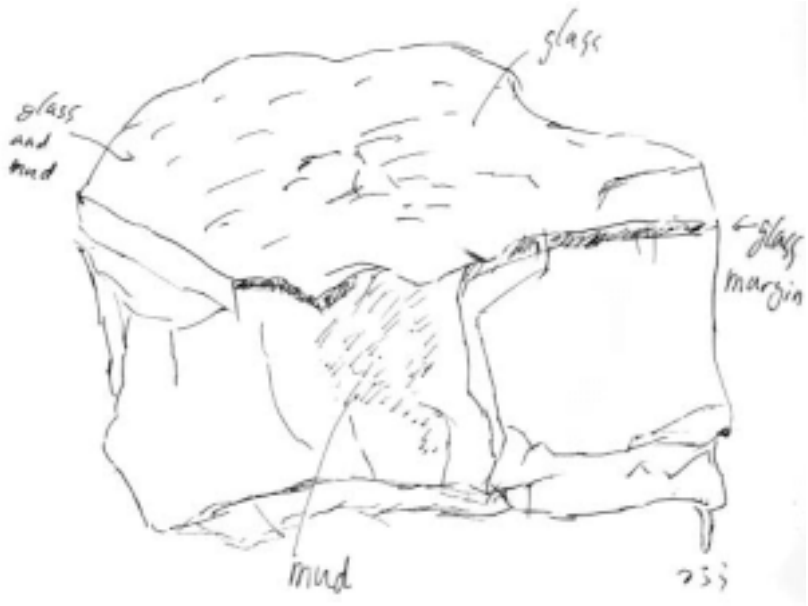
Remarks :
Two types:1.Aphylic rock
2.Hyaloclastite alteredby hydrothermal activity

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 217- 6 (Sep. 16, 2001)
Described by



Sample Size : X= 15cm, Y= 12cm, Z=10cm; **Weight**: 500g
Mn coating : 0 mm; **Color (inside the rock)**:black
Alteration: no weak * strong; **Vesicularity** <1%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others
Rock types (lava and hyaloclastite)
Thickness of glass <2mm

Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

Remarks : Roof of lobate floor

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 217- 7 (Sep. 16, 2001)
Described by

Sample Size : X= 6cm, Y= 5cm, Z=3cm; **Weight**: 500g
Mn coating : 0 mm; **Color (inside the rock)**:black
Alteration: no weak * strong; **Vesicularity** <1%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others
Rock types (lava and hyaloclastite)
Thickness of glass <2mm

Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
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 unlithified
Sedimentary structure:_____
_____
_____

K 217-8 (Sep. 16, 2001)
Described by

Sample Size : X= 9cm, Y= 7cm, Z=5cm; **Weight**: 150g×3
Mn coating : 0 mm; **Color (inside the rock)**:black
Alteration: no * weak strong; **Vesicularity** <1%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others
Rock types (lava and hyaloclastite)
Thickness of glass 5mm

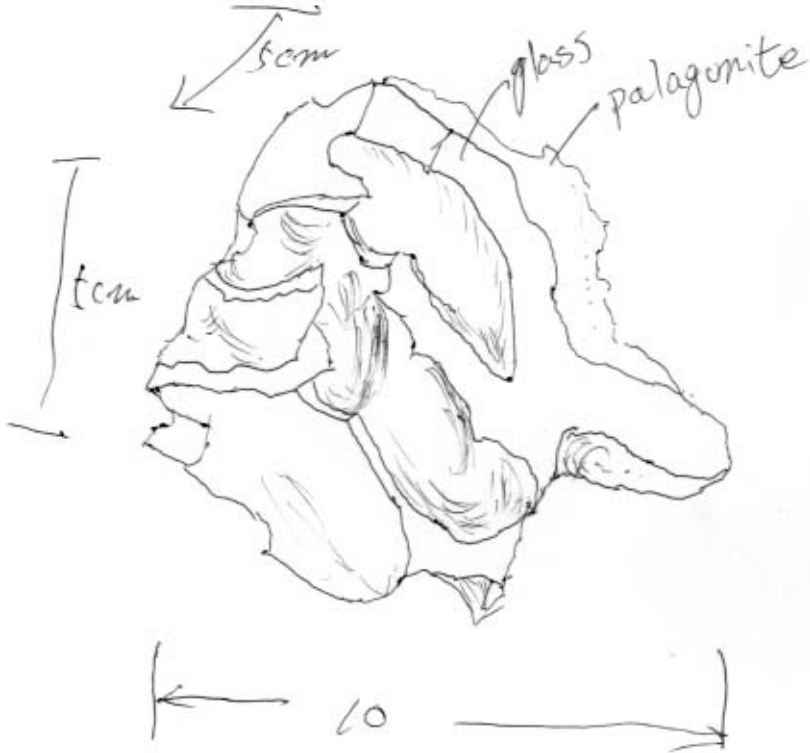
Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock*	Phenocrysts= 0	%,	%
Others	Phenocrysts=	%,	%

Remarks : charactristic shapes

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 217-9 (Sep. 16, 2001)
Described by

Sample Size : X= 9cm, Y= 8cm, Z=3cm; **Weight**: 70g
Mn coating : 0 mm; **Color (inside the rock)**:black
Alteration: no weak strong*; **Vesicularity** 0%
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others
Rock types (lava and hyaloclastite)
Thickness of glass 5mm

Picrite:	Phenocrysts=		%,			%
Ol basalt *	Phenocrysts=	ol 7	%,	pl? 2		%
Pl-ol basalt	Phenocrysts=		%,			%
Aphyric rock*	Phenocrysts=		%,			%
Others	Phenocrysts=		%,			%

Remarks : Tholeite?

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:_____