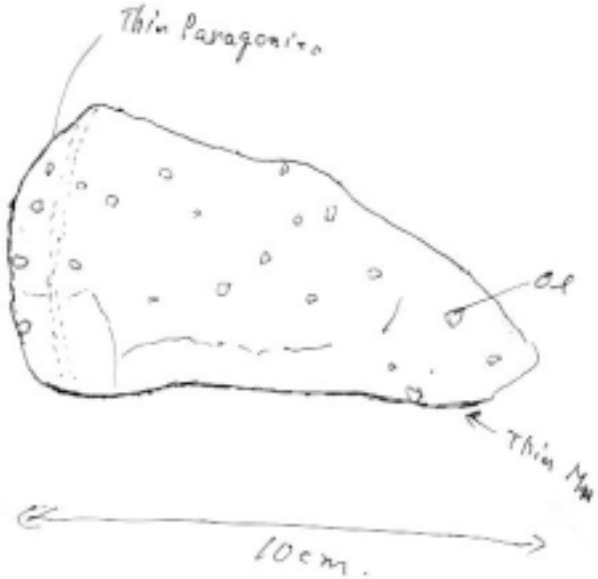
K 214- 1 (Sep. 11, 2001)
Described by M. Nakagawa



Sample Size : X= 11 cm, Y= 9 cm, Z= 6 cm; **Weight**: 400g
Mn coating : <0.5 mm; **Color (inside the rock)**: grey
Alteration: no* weak strong; **Vesicularity** <5 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 5-10 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, 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 214- 2 (Sep. 11, 2001)
Described by E. Takahashi

Sample Size : X= 14 cm, Y= 9 cm, Z= 7 cm; **Weight**: 800g
Mn coating : <1 mm; **Color (inside the rock)**: dark gray
Alteration: no* weak* strong; **Vesicularity** <1 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite* Phenocrysts= ol: 40 %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____picrite with small (-0.5mm) vesicles

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:_____

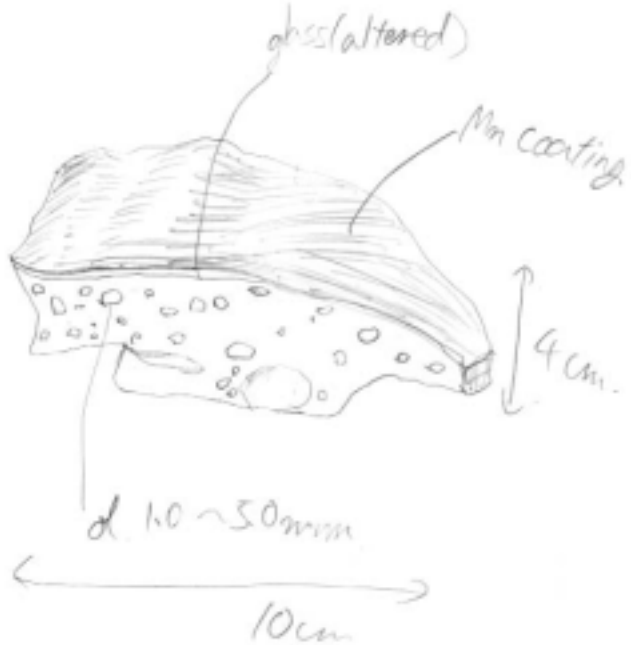
K 214- 3 (Sep. 11, 2001)
Described by M. Nakagawa

Sample Size : X= 15 cm, Y= 12 cm, Z= 9 cm; **Weight**: 1kg
Mn coating : <0.5 mm; **Color (inside the rock)**: grey
Alteration: no* weak strong; **Vesicularity** 10 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics 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, 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 214- 4a (Sep. 11, 2001)
Described by M. Maruyama



Sample Size : X= 14 cm, Y= 11 cm, Z= 3 cm; **Weight**: 200g
Mn coating : 1.5 mm; **Color (inside the rock)**: black
Alteration: no weak* strong; **Vesicularity** 5 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 1 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, 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 214- 4b (Sep. 11, 2001)
Described by K. Johnson

Sample Size : X= 12 cm, Y= 9 cm, Z= 8 cm; **Weight**: 500g
Mn coating : <1 mm; **Color (inside the rock)**: dark grey
Alteration: no weak* strong; **Vesicularity** 2-3 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 8-10 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, 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 214- 5a (Sep. 11, 2001)
Described by M. Maruyama

Sample Size : X= 5 cm, Y= 5 cm, Z= 5 cm; **Weight**: 80g
Mn coating : 0.8 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 7 %
Lithology: monomict or polymict
Occurrence: lava hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 1 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, 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 214- 5b (Sep. 11, 2001)
Described by E. Takahashi

Sample Size : X= 23 cm, Y= 15 cm, Z= 15 cm; **Weight**: 5kg
Mn coating : 1 mm; **Color (inside the rock)**: black
Alteration: no* weak* strong; **Vesicularity** 5-10 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= ol: 30 %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks____Picrite: may be part of pillow breccia with glassy matrix
_____
_____
_____

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:_____
_____
_____

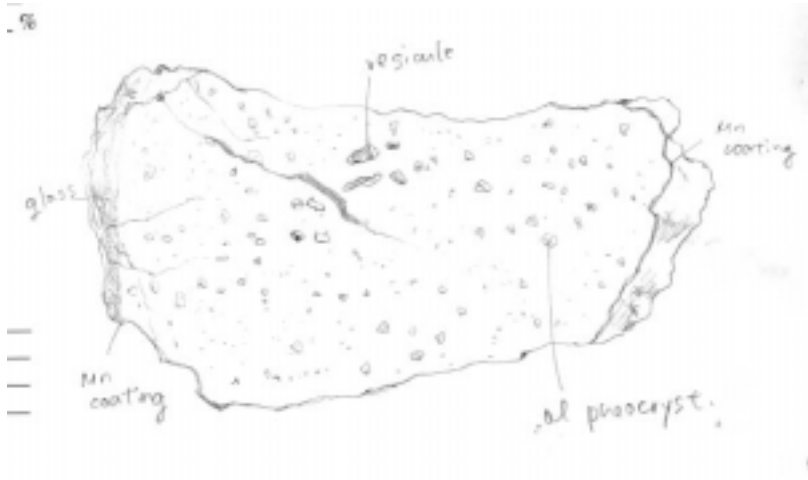
K 214- 6a (Sep. 11, 2001)
Described by H. Mashima

Sample Size : X= 24 cm, Y= 18 cm, Z= 17 cm; **Weight**: 3kg
Mn coating : 0.5 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 5 %
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= pl: 10 %, ol: 5 %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____
_____
_____
_____

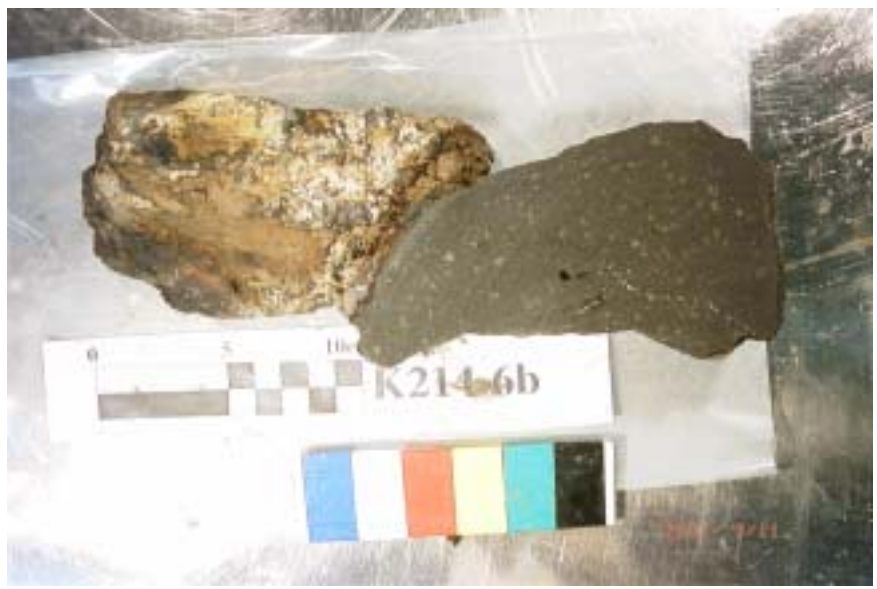
Volcaniclastic rocks and others (characteristic of the clasts)
Fragments comp.: mono poly
Rock type: aphyric B, porphritic B, picrite, others
Grain size (mm) : < 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <
Sorting : well----------poorly
Roundness : round----------angular
Fabric: clast-support ----------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

K 214- 6b (Sep. 11, 2001)
Described by N. Noguchi



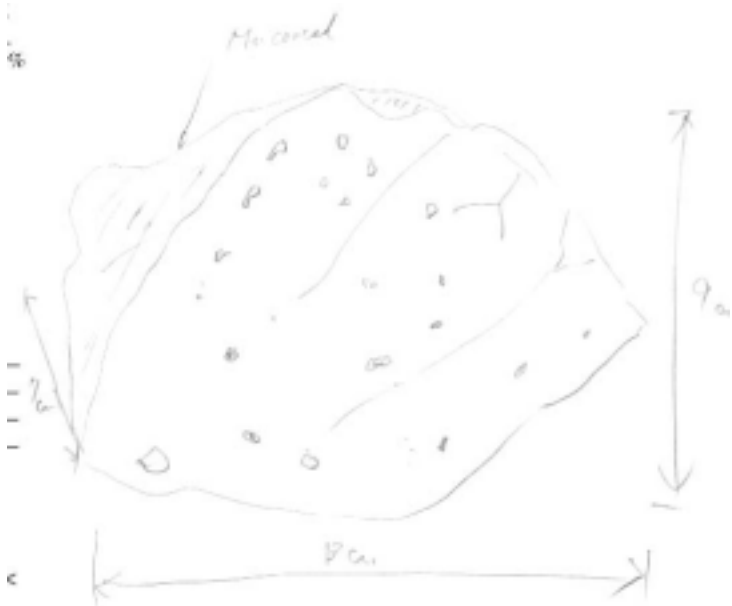
Sample Size : X= 15 cm, Y= 10 cm, Z= 8 cm; **Weight**: 1k g
Mn coating : <1 mm; **Color (inside the rock)**: black
Alteration: no weak* strong; **Vesicularity** 3 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 2 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, 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 214- 7 (Sep. 11, 2001)
Described by



Sample Size : X= 14 cm, Y= 14 cm, Z= 9 cm; **Weight**: 1.1kg
Mn coating : <0.5 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 10 %
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= pl: 5 %, ol: 10 %
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:_____
_____
_____

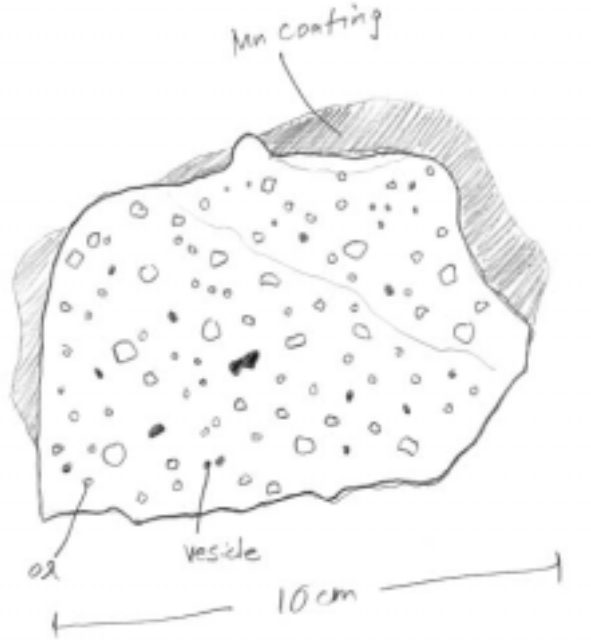
K 214- 8 (Sep. 11, 2001)
Described by

Sample Size : X= 13 cm, Y= 10 cm, Z= 8 cm; **Weight**: 1kg
Mn coating : 0.5 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 5 %
Lithology: monomict* or polymict
Occurrence: lava hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= ol: 3 %, %
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 214- 9 (Sep. 11, 2001)
Described by M. Coombs

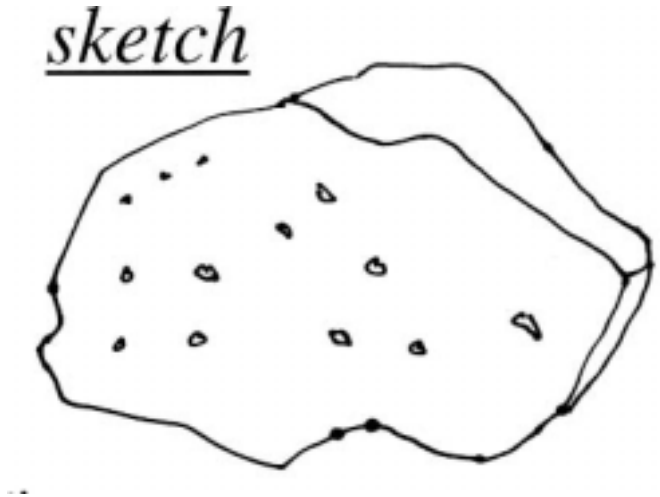


Sample Size : X= 17 cm, Y= 15 cm, Z= 14 cm; **Weight**: 2kg
Mn coating : 0.5 mm; **Color (inside the rock)**: grey
Alteration: no weak* strong; **Vesicularity** 8 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

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 unlithified
Sedimentary structure:_____
_____
_____

K 214- 10 (Sep. 11, 2001)
Described by P. Lipman

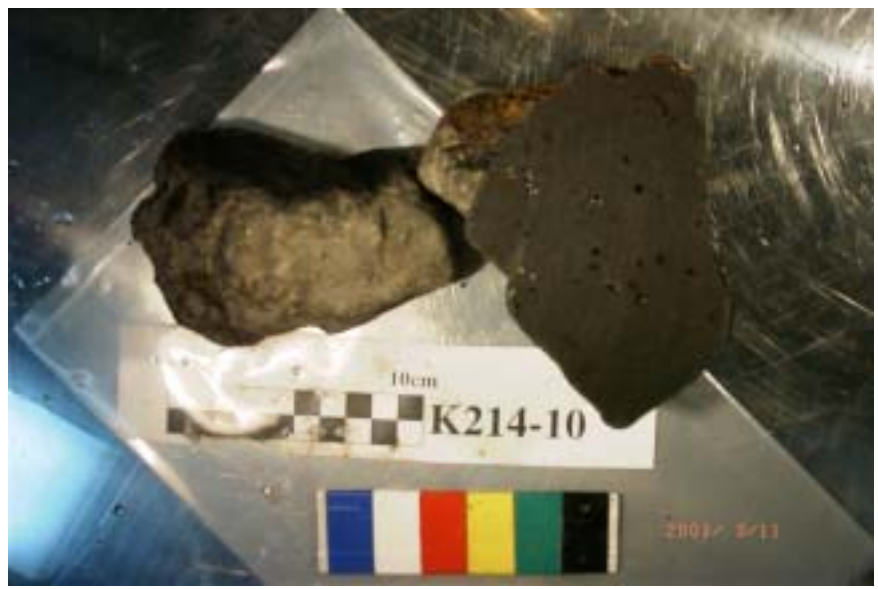


Sample Size : X= 12 cm, Y= 12 cm, Z= 9 cm; **Weight**: 800g
Mn coating : 1 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 10 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm

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

Remarks_____
_____
_____
_____

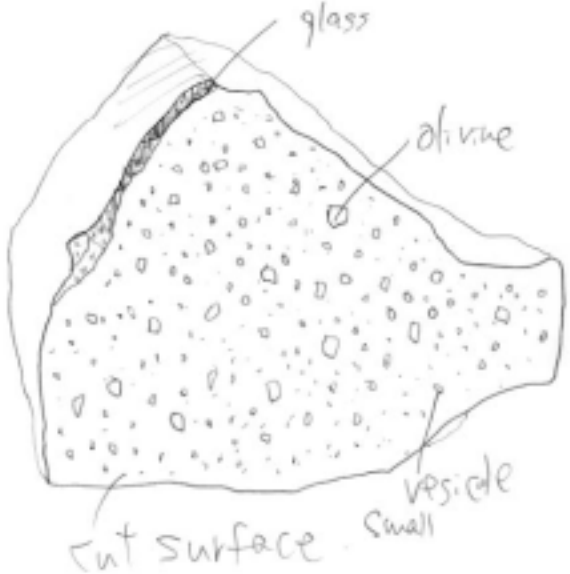


Volcaniclastic rocks and others (characteristic of the clasts)

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 214- 11 (Sep. 11, 2001)
Described by T. Kani

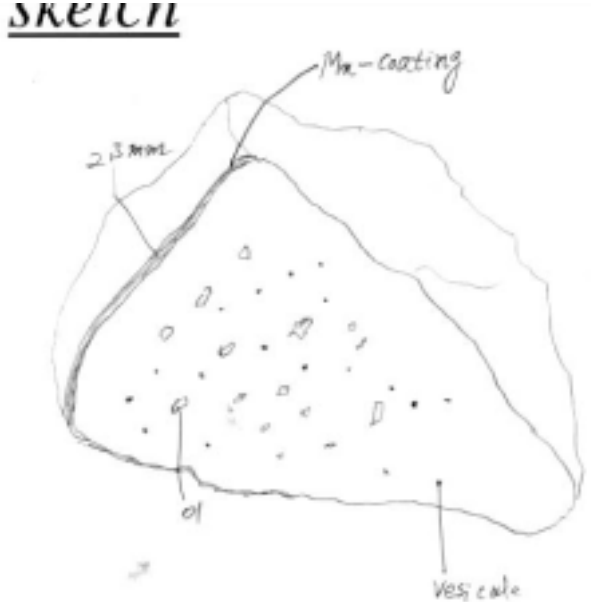


Sample Size : X= 20 cm, Y= 11 cm, Z= 10 cm; **Weight**: 2kg
Mn coating : 0.5 mm; **Color (inside the rock)**: grey
Alteration: no* *weak strong; **Vesicularity** 3 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 3 mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= ol: 15 %, %
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 214- 12 (Sep. 11, 2001)
Described by Z.-Y. Ren



Sample Size : X= 30 cm, Y= 15 cm, Z= 15 cm; **Weight**: 7kg
Mn coating : 2.5 mm; **Color (inside the rock)**: black
Alteration: no* weak* strong; **Vesicularity** 3 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics 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, 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:_____
_____
_____

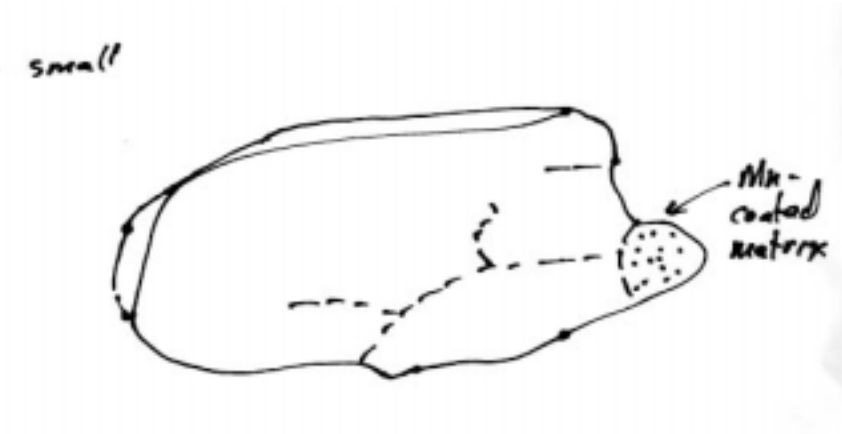
K 214- 13 (Sep. 11, 2001)
Described by T. Hanyu

Sample Size : X= 17 cm, Y= 15 cm, Z= 12 cm; **Weight**: 3kg
Mn coating : <1 mm; **Color (inside the rock)**: gray
Alteration: no* weak strong; **Vesicularity** 5 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics 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, 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 214- 14a (Sep. 11, 2001)
Described by P. Lipman

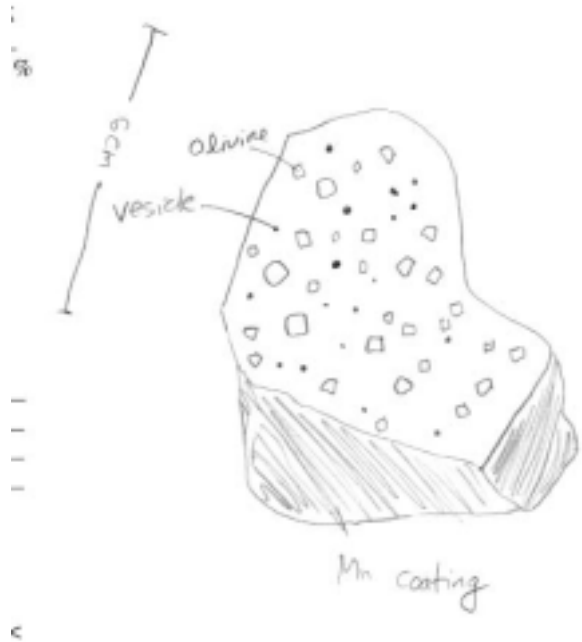


Sample Size : X= 14 cm, Y= 10 cm, Z= 6 cm; **Weight**: 800g
Mn coating : <0.5 mm; **Color (inside the rock)**: black
Alteration: no* weak strong; **Vesicularity** 10 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite* Phenocrysts= ol: 35 %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks___rounded clast , subaerial or coastline ?
_____
_____
_____

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 214- 14b (Sep. 11, 2001)
Described by

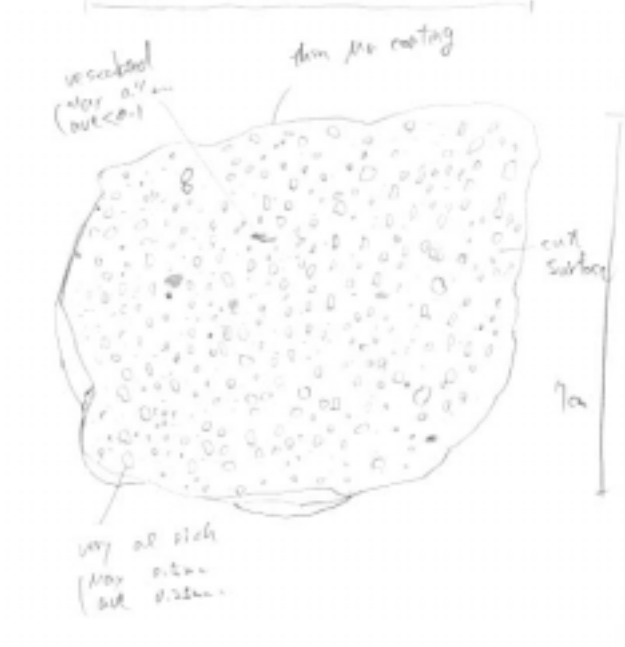


Sample Size : X= 7 cm, Y= 7 cm, Z= 6 cm; **Weight**: 300g
Mn coating : <0.5 mm; **Color (inside the rock)**: dark grey
Alteration: no weak* strong; **Vesicularity** 8 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite* Phenocrysts= ol: 35 %, %
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 214- 14c (Sep. 11, 2001)
Described by T. Kunikiyo



Sample Size : X= 9 cm, Y= 7 cm, Z= 7 cm; **Weight**: 400g
Mn coating : <1 mm; **Color (inside the rock)**: dark grey
Alteration: no weak strong; **Vesicularity** 3 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite* Phenocrysts= ol: 40 %, %
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 214- 15a (Sep. 11, 2001)
Described by M. Coombs

Sample Size : X= 21 cm, Y= 15 cm, Z= 10 cm; **Weight**: 4kg
Mn coating : 1.2 mm; **Color (inside the rock)**: black
Alteration: no* *weak strong; **Vesicularity** 10 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass _____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, 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 214- 15b (Sep. 11, 2001)
Described by N. Noguchi

Sample Size : X= 15 cm, Y= 13 cm, Z= 10 cm; **Weight**: 1kg
Mn coating : <0.5 mm; **Color (inside the rock)**: black
Alteration: no weak* strong; **Vesicularity** 15 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 0 mm

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

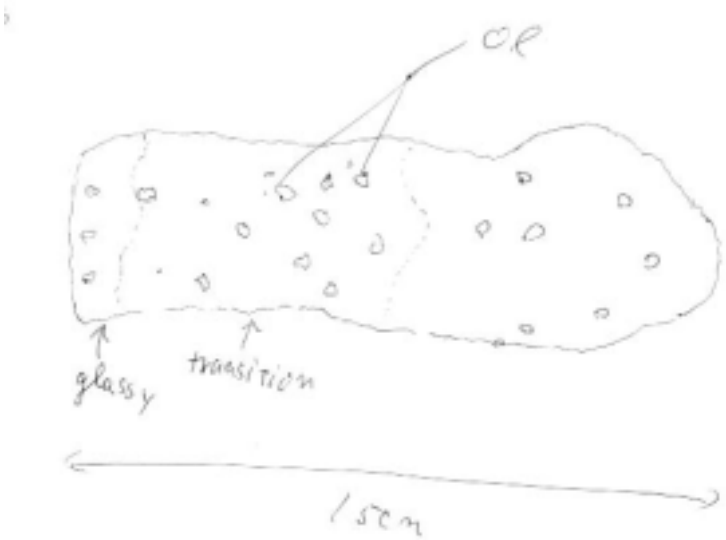
Remarks_____ol: Max 6mm

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 214- 15c (Sep. 11, 2001)
Described by M. Nakagawa

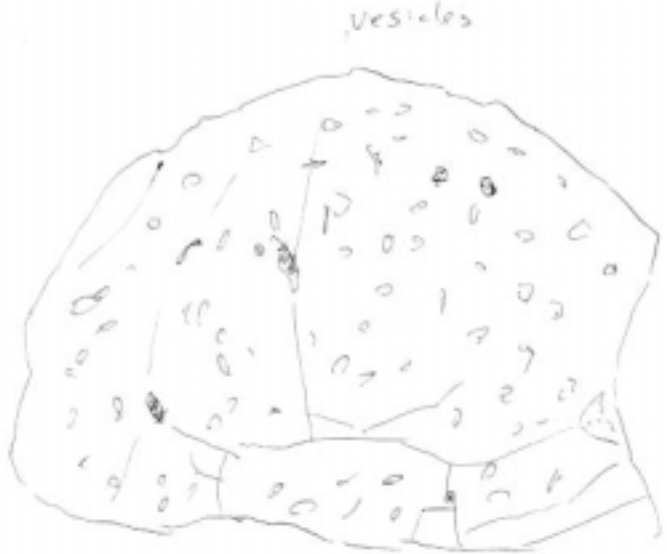


Sample Size : X= 16 cm, Y= 8 cm, Z= 7 cm; **Weight**: 1kg
Mn coating : <0.5 mm; **Color (inside the rock)**: grey
Alteration: no* weak strong; **Vesicularity** 15 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 10-15 mm
Picrite* Phenocrysts= ol: 30 %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks__ol Max _8mm

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 214- 15d (Sep. 11, 2001)
Described by T. Hanyu



Sample Size : X= 16 cm, Y= 14 cm, Z= 12 cm; **Weight**: 2kg
Mn coating : 1 mm; **Color (inside the rock)**: gray
Alteration: no* weak* strong; **Vesicularity** 3 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics 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, 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:_____
_____
_____