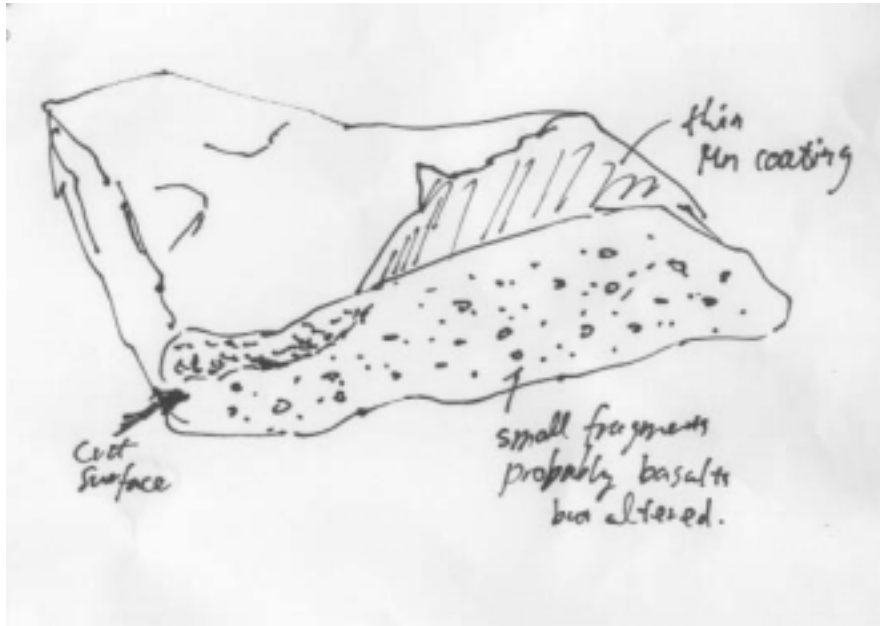
K 210-1a (Sep, 6, 2001)
Described by H. Mashima

Sample Size : X= 14 cm, Y= 13 cm, Z= 6 cm; **Weight**: 800g
Mn coating : 0 mm; **Color (inside the rock)**: grey
Alteration: no weak* strong; **Vesicularity** 20 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite* Phenocrysts= 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 210-1b (Sep, 6, 2001)
Described by T. Hanyu



Sample Size : X= 16 cm, Y= 12 cm, Z= 3 cm; **Weight**: 200g
Mn coating : thin mm; **Color (inside the rock)**: reddish brown
Alteration: no weak strong; **Vesicularity** _____ %
Lithology: monomict or polymict*
Occurrence: lava hyaloclastite volcaniclastics* others

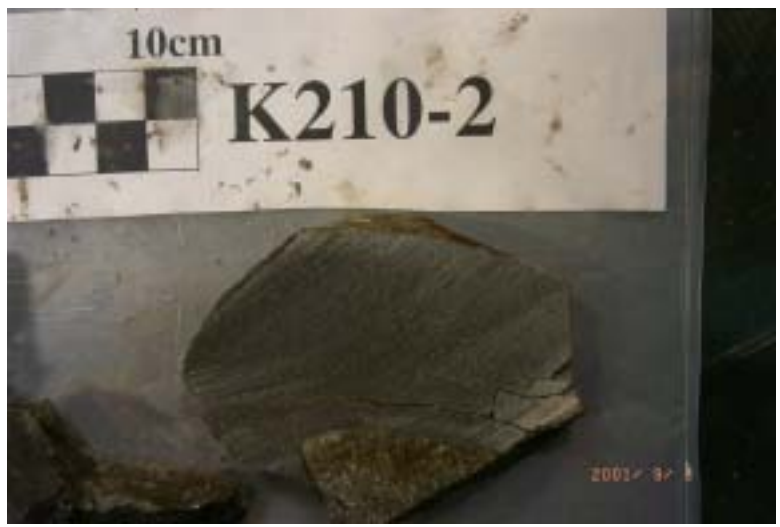
Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____
_____
_____
_____

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:_____
_____
_____

K 210-2 (Sep, 6, 2001)
Described by T. Kunikiyo

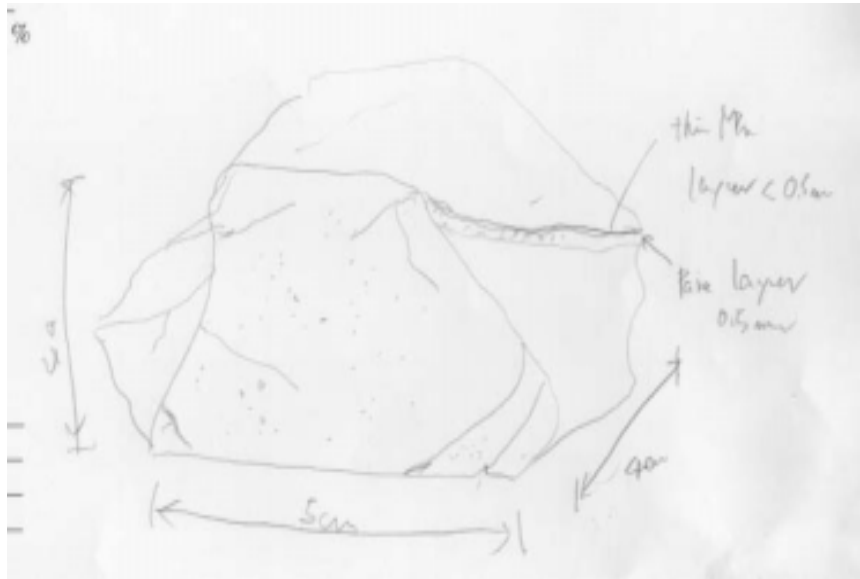
Sample Size : X= 8 cm, Y= 7 cm, Z= 4 cm; **Weight**: 100g
Mn coating : 0 mm; **Color (inside the rock)**: dark grey
Alteration: no* weak strong; **Vesicularity** 5 %
Lithology: monomic*t or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks____highly small vesiculatted some microphenocrysts_____



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 210-3 (Sep, 6, 2001)
Described by H. Mashima



Sample Size : X= 10 cm, Y= 9 cm, Z= 4 cm; **Weight**: 200g
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 _____mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____
_____
_____
_____

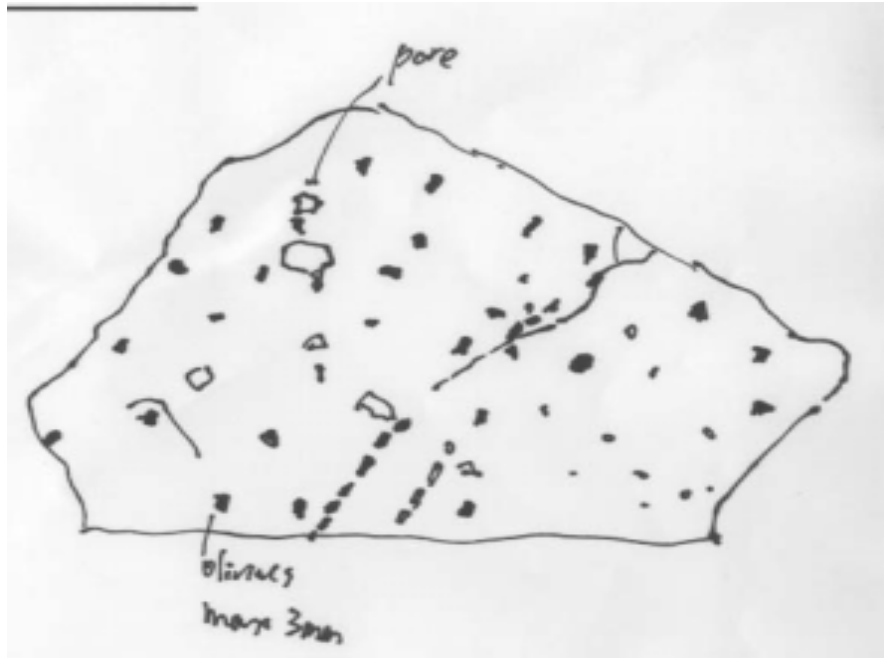
Volcaniclastic rocks and others (characteristic of the clasts)
Fragments comp.: mono poly
Rock type: aphyric B, porphritic B, picrite, others
Grain size (mm) : < 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <
Sorting : well----------poorly
Roundness : round----------angular
Fabric: clast-support ----------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

K 210-4a (Sep, 6, 2001)
Described by T. Hanyu

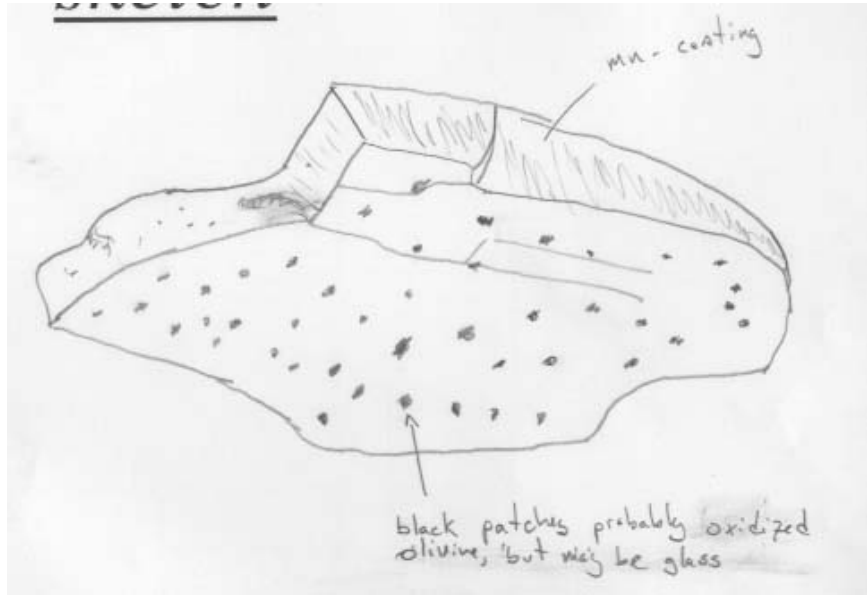
Sample Size : X= 14 cm, Y= 9 cm, Z= 8 cm; **Weight**: 600g
Mn coating : very thin mm; **Color (inside the rock)**: grey
Alteration: no weak* * strong; **Vesicularity** 5 %
Lithology: monomict*or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite* Phenocrysts= ol: 10 %, %
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 210-4b (Sep, 6, 2001)
Described by T.Sisson

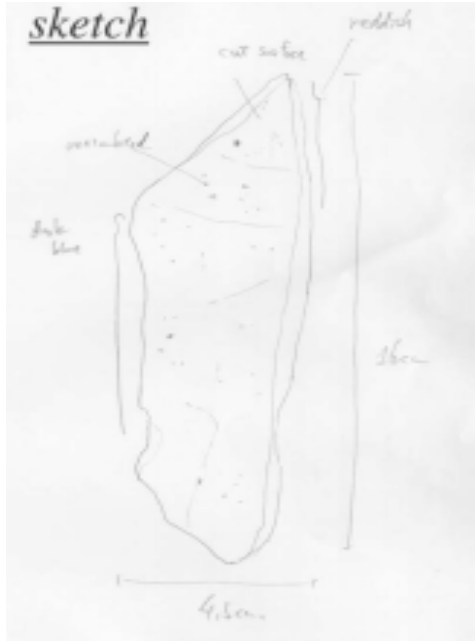


Sample Size : X= 14 cm, Y= 8 cm, Z= 7 cm; **Weight**: 500g
Mn coating : 0.2 mm; **Color (inside the rock)**: reddish brown
Alteration: no weak* strong; **Vesicularity** _____ %
Lithology: monomict or polymict
Occurrence: lava hyaloclastite* volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____strongly oxidized rock with prominent black patches
_____
_____
_____
_____

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 210-5 (Sep, 6, 2001)
Described by T. Kunikiyo

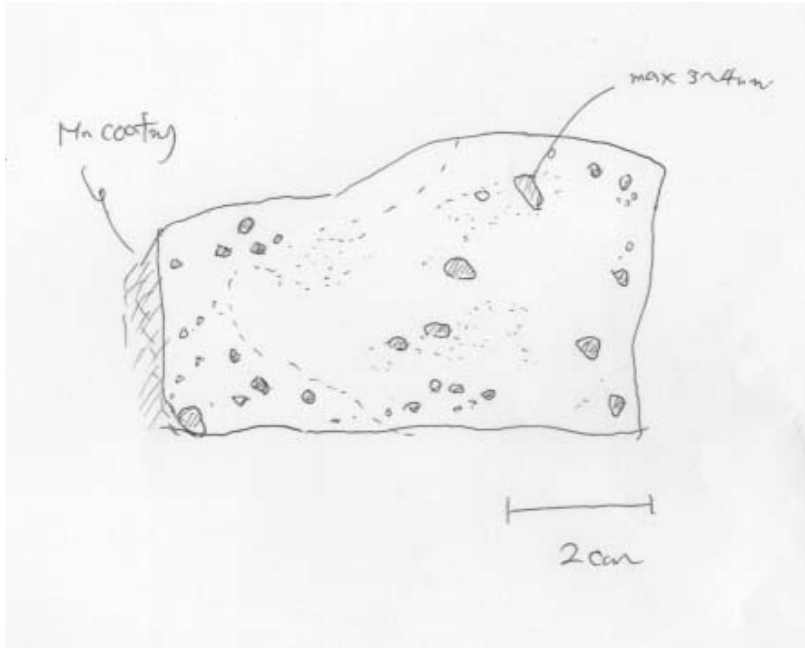


Sample Size : X= 16 cm, Y= 13 cm, Z= 5 cm; **Weight**: 700g
Mn coating : 0 mm; **Color (inside the rock)**: dark blue and reddish
Alteration: no weak* strong; **Vesicularity** 5 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
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 210-6 (Sep, 6, 2001)
Described by Y. Orihashi

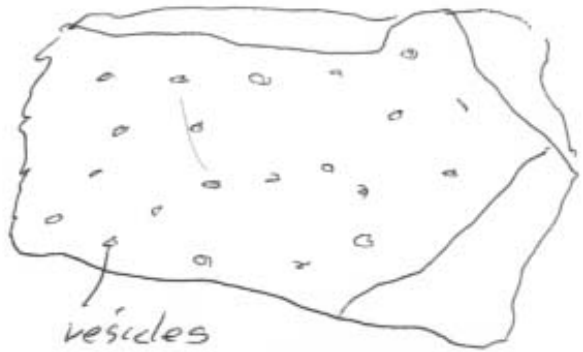


Sample Size : X= 25 cm, Y= 8 cm, Z= 7 cm; **Weight**: 1kg
Mn coating : thin mm; **Color (inside the rock)**: grey
Alteration: no weak strong*; **Vesicularity** <5 %
Lithology: monomict or polymict
Occurrence: lava hyaloclastite volcaniclastics* others

Rock types (lava and hyaloclastite)
Thickness of glass _____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 210-7a (Sep, 6, 2001)
Described by P. Lipman

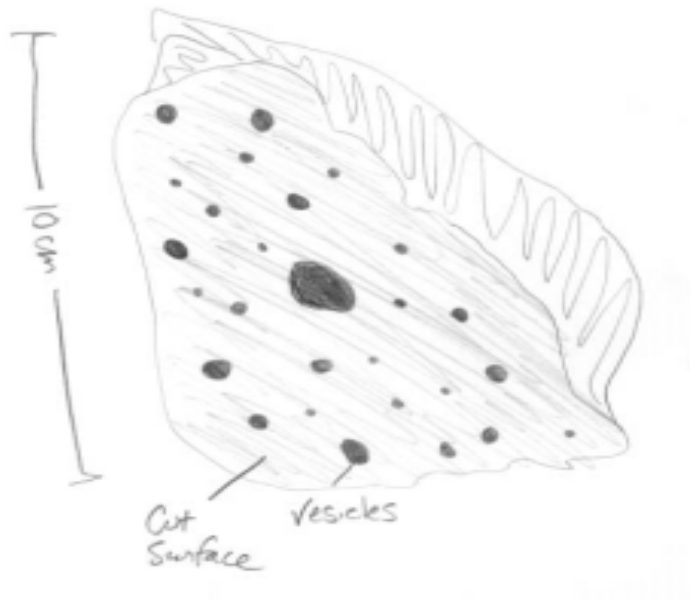


Sample Size : X= 11 cm, Y= 10 cm, Z= 8 cm; **Weight**: 300g
Mn coating : trace mm; **Color (inside the rock)**: dark grey
Alteration: no* weak strong; **Vesicularity** 10 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= -1 %, %
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 210-7b (Sep, 6, 2001)
Described by M.Coombs

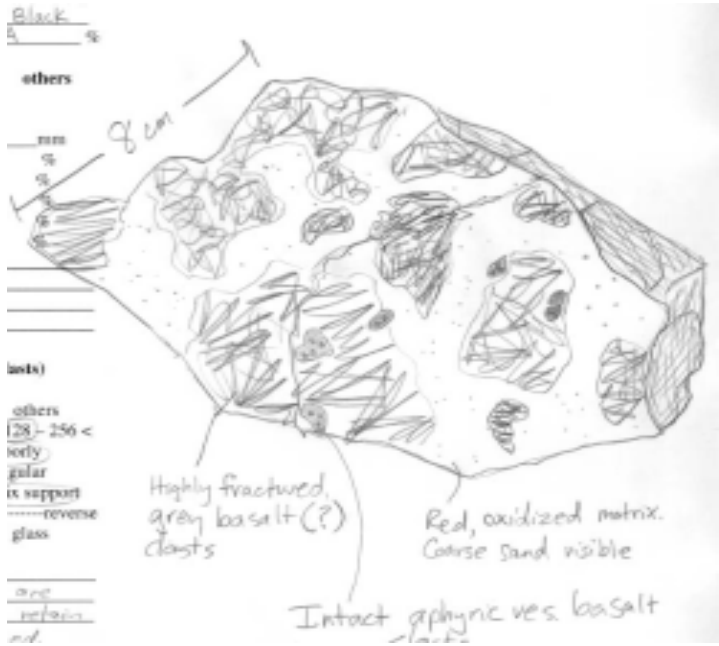


Sample Size : X= 16 cm, Y= 14 cm, Z= 10 cm; **Weight**: 2kg
Mn coating : mm; **Color (inside the rock)**: dark grey
Alteration: no weak* strong; **Vesicularity** 15 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____vesicular basalt
_____
_____
_____
_____

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 210-8 (Sep, 6, 2001)
Described by M. Coombs



Sample Size : X= 30 cm, Y= 28 cm, Z= 15 cm; **Weight**: 8kg
Mn coating : 0 mm; **Color (inside the rock)**: red and black
Alteration: no weak strong*; **Vesicularity** N/A %
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:___Matrix is silt to coarse sand . Clasts are severely fractured basalt. Some b. clasts retain primary texture , some are completely crushed_____

K 210-9 (Sep, 6, 2001)

Described by _____

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

Rock types (lava and hyaloclastite)

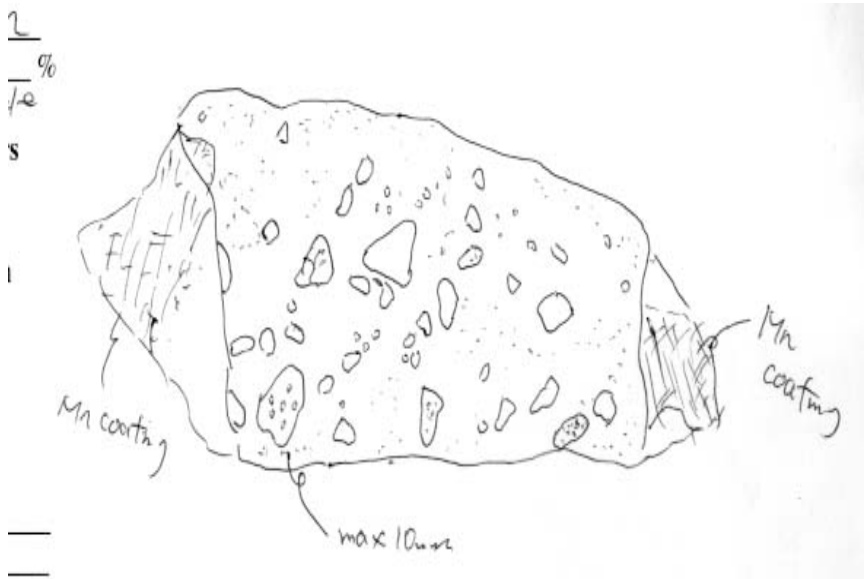
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____
_____

_____lost
_____

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 210-10 (Sep, 6, 2001)
Described by Y. Orihashi



Sample Size : X= 18 cm, Y= 14 cm, Z= 7 cm; **Weight**: 1kg
Mn coating : thin mm; **Color (inside the rock)**: dark brown
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= %, %
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:____vaviable vesicularities in the fragment (0-15%) , he fragments stone partly reddish_____
_____

K 210-11 (Sep, 6, 2001)

Described by _____

Sample Size : X= cm, Y= cm, Z= cm; **Weight**: _____g
Mn coating : mm; **Color (inside the rock)**:_____
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_____
_____

_____lost

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:_____
_____
_____

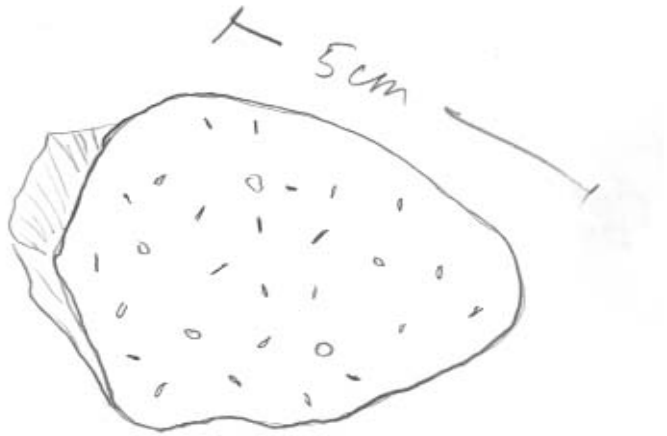
K 210-12a (Sep, 6, 2001)
Described by T. Sisson

Sample Size : X= 8 cm, Y= 7 cm, Z= 5 cm; **Weight**: 200g
Mn coating : 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= %, %
Aphyric rock* Phenocrysts= 0 %, %
Others Phenocrysts= %, %
Remarks_____finely vesicular

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 210-12b (Sep, 6, 2001)
Described by M. Coombs



Sample Size : X= 5 cm, Y= 5 cm, Z= 5 cm; **Weight**: 50g
Mn coating : 0 mm; **Color (inside the rock)**: grey
Alteration: no weak*` strong; **Vesicularity** 0 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

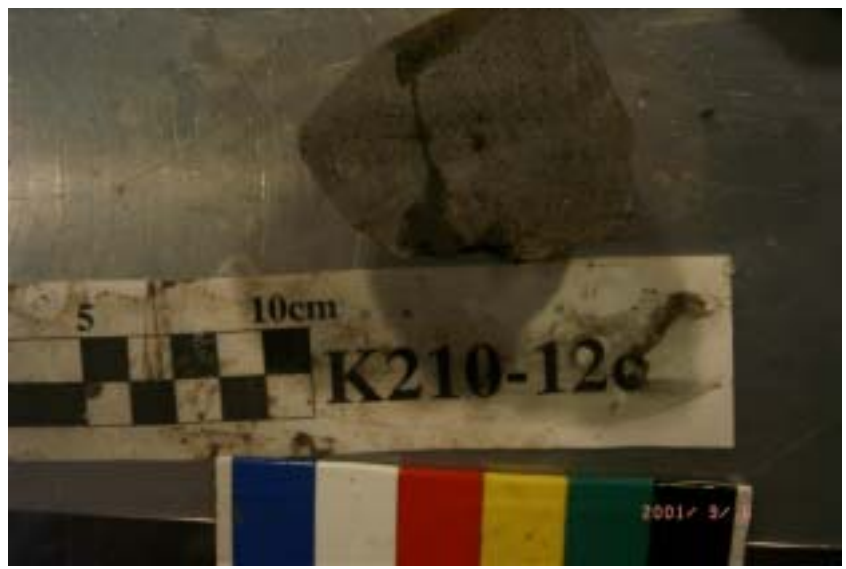
Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= ol: 8 %, pl: 2 %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks___olivine (oxidized?) very dark
_____
_____
_____

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 210-12c (Sep, 6, 2001)
Described by P. Lipman

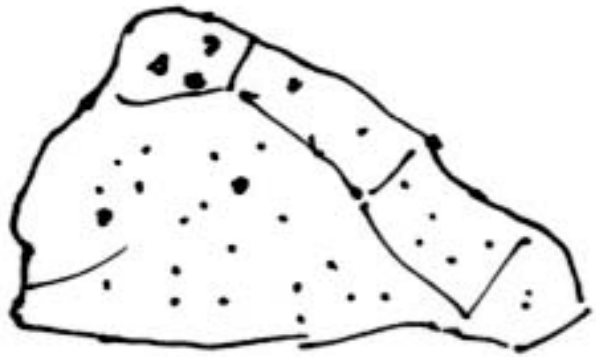
Sample Size : X= 8 cm, Y= 6 cm, Z= 5 cm; **Weight**: 150g
Mn coating : trace mm; **Color (inside the rock)**: dark grey
Alteration: no* weak strong; **Vesicularity** 20 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= <1 %, %
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 210-12d (Sep, 6, 2001)
Described by T. Hanyu

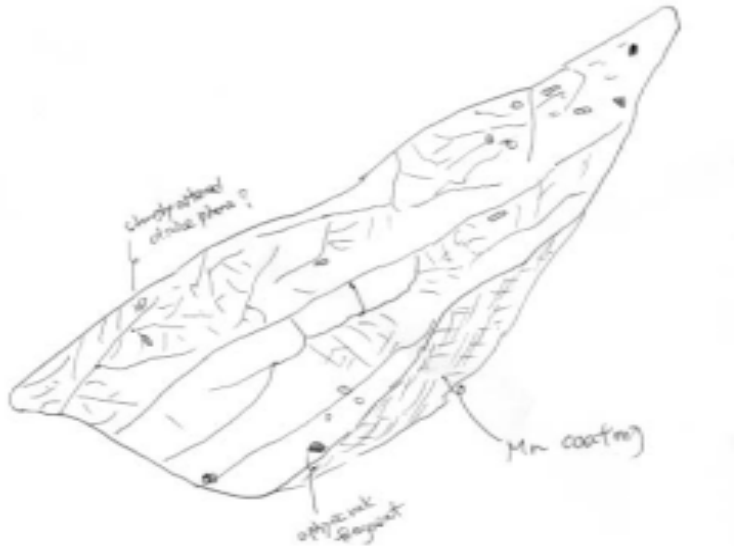


Sample Size : X= 4 cm, Y= 4 cm, Z= 3 cm; **Weight**: 35g
Mn coating : very thin mm; **Color (inside the rock)**: grey
Alteration: no weak* strong; **Vesicularity** 5 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= <5 %, %
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 210-13 (Sep, 6, 2001)
Described by Y. Orihashi

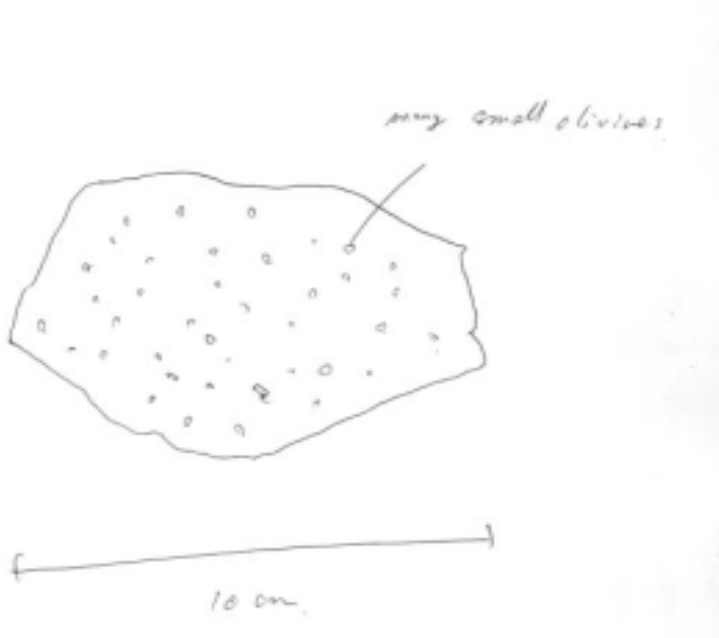


Sample Size : X= 22 cm, Y= 15 cm, Z= 6 cm; **Weight**: 2kg
Mn coating : thin mm; **Color (inside the rock)**: light grey
Alteration: no weak* *strong; **Vesicularity** 0 %
Lithology: monomict or polymict
Occurrence: lava*or hyaloclastite* volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass _____mm
Picrite: Phenocrysts= %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock* Phenocrysts= ol: <1 %, %
Others Phenocrysts= %, %
Remarks___many imegular cracks , sparsely altered olivine phenocrysts
_____
_____
_____

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 210-14a (Sep, 6, 2001)
Described by J. Kimura

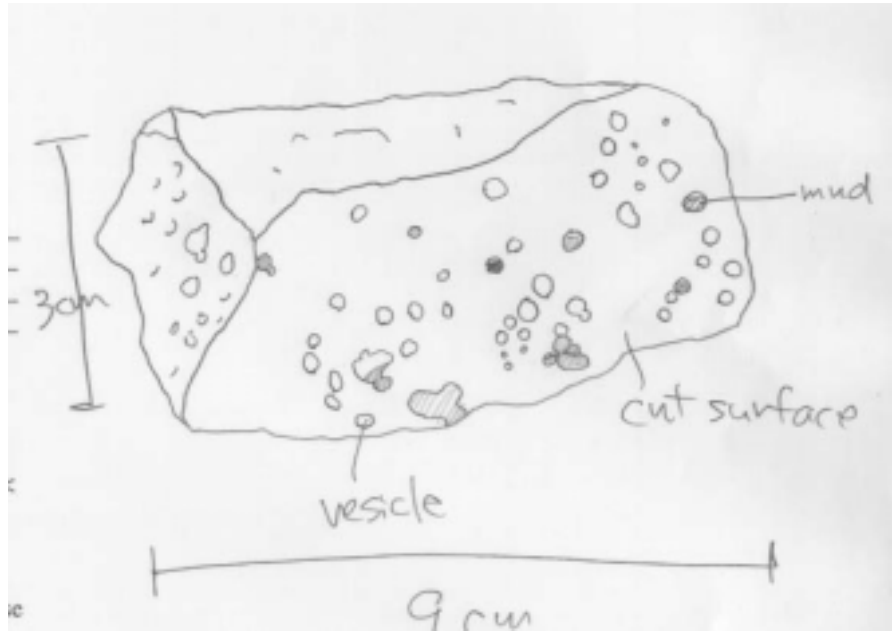


Sample Size : X= 14 cm, Y= 9.5 cm, Z= 8 cm; **Weight**: 1kg
Mn coating : 0 mm; **Color (inside the rock)**: dark grey
Alteration: no* weak strong; **Vesicularity** 2 %
Lithology: monomict or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

Rock types (lava and hyaloclastite)
Thickness of glass 0 mm
Picrite: Phenocrysts= %, %
Ol basalt* Phenocrysts= 30 %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks_____rounded shape maybe rolling stone
_____
_____
_____
_____

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 210-14b (Sep, 6, 2001)
Described by T. Kani



Sample Size : X= 11 cm, Y= 9 cm, Z= 5 cm; **Weight**: 400g
Mn coating : 0 mm; **Color (inside the rock)**: black
Alteration: no weak* strong; **Vesicularity** 40 %
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: 5	%,	%
Pl-ol basalt	Phenocrysts=		%,	%
Aphyric rock	Phenocrysts=		%,	%
Others	Phenocrysts=		%,	%

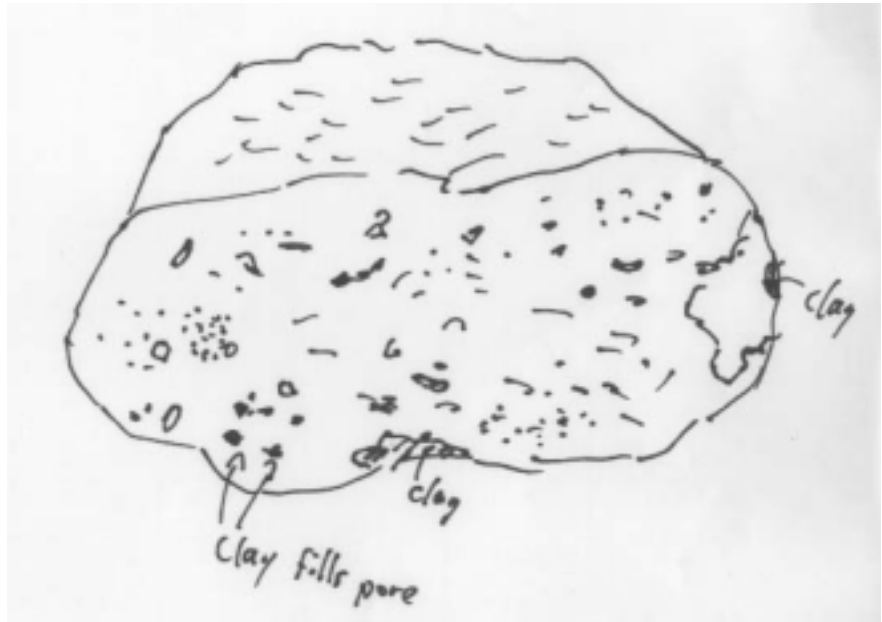
Remarks_____
_____
_____
_____

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 210-14c (Sep, 6, 2001)
Described by T. Hanyu



Sample Size : X= 12 cm, Y= 12 cm, Z= 8 cm; **Weight**: 2kg
Mn coating : <1 mm; **Color (inside the rock)**: grey
Alteration: no weak* strong; **Vesicularity** 20 %
Lithology: monomict* or polymict
Occurrence: lava* hyaloclastite volcaniclastics others

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

Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts=	5 %,	%
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 210-15a (Sep, 6, 2001)
Described by T. Sisson

Sample Size : X= 10 cm, Y= 8 cm, Z= 7 cm; **Weight**: 600g
Mn coating : 0.1 mm; **Color (inside the rock)**: slightly reddish 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: 20 %, %
Ol basalt Phenocrysts= %, %
Pl-ol basalt Phenocrysts= %, %
Aphyric rock Phenocrysts= %, %
Others Phenocrysts= %, %
Remarks____pale gray mineral fills some vesicles silica or zeolite
_____
_____
_____

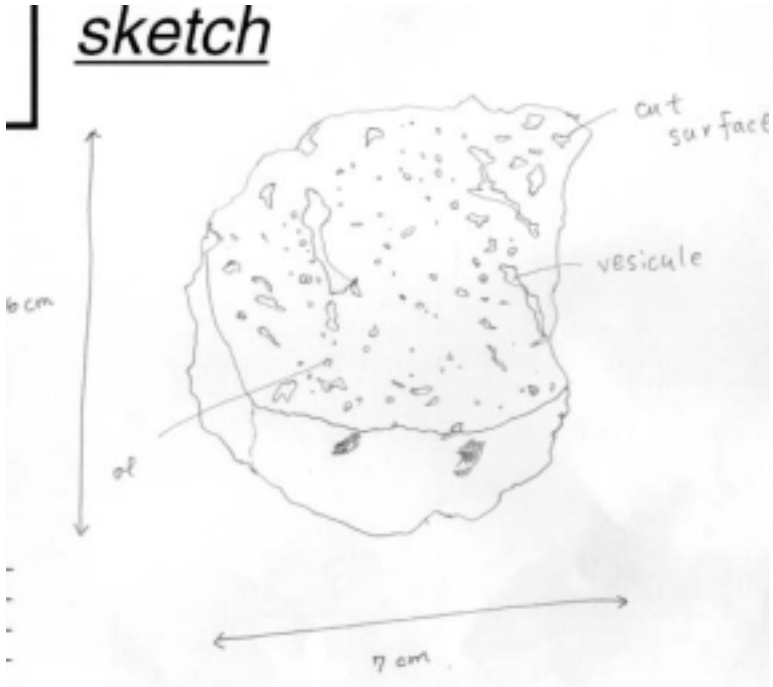
Volcaniclastic rocks and others (characteristic of the clasts)
Fragments comp.: mono poly
Rock type: aphyric B, porphritic B, picrite, others
Grain size (mm) : < 1 – 2 – 4 – 8 – 16 – 32 – 64 – 128 – 256 <
Sorting : well----------poorly
Roundness : round----------angular
Fabric: clast-support ----------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

K 210-15b (Sep, 6 , 2001)
Described by N. Noguchi

Sample Size : X= 7cm, Y= 6 cm, Z= 5 cm; **Weight**: 300g
Mn coating : 0 mm; **Color (inside the rock)**: dark gray___
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= %, %
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:_____
_____
_____



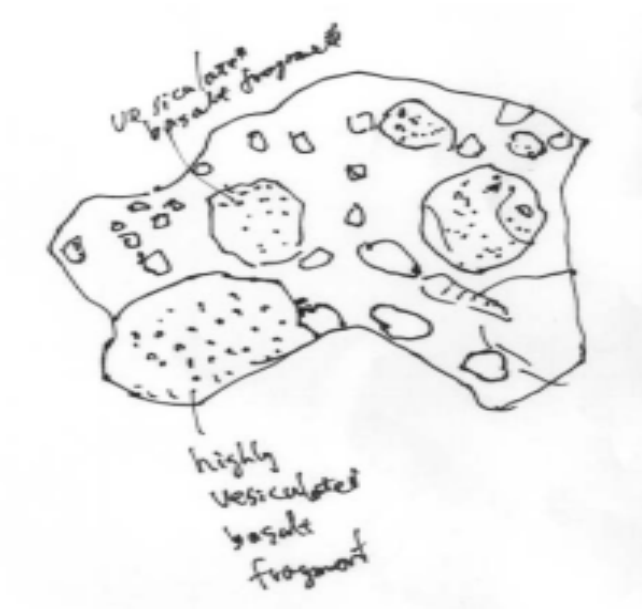
K 210-15c (Sep, 6 , 2001)
Described by N. Noguchi__

Sample Size : X= 6cm, Y= 4 cm, Z= 3 cm; **Weight**: 150g
Mn coating : 0 mm; **Color (inside the rock)**: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:_____
_____
_____

K 210-16 (Sep, 6, 2001)
Described by T. Hanyu



Sample Size : X= 28 cm, Y= 19 cm, Z= 17 cm; **Weight**: 7kg
Mn coating : thin mm; **Color (inside the rock)**: gray
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:_____
_____
_____