

# K203-1 (Aug. 27, 2001)

Described by E. Takahashi

**Sample Size** : X= 15cm, Y= 10cm, Z= 5cm; **Weight**: 3kg  
**Mn coating** : 0.5 mm; **Color (inside the rock)**: yellowish brown  
**Alteration**: no weak strong; **Vesicularity** \_\_\_\_\_  
%

**Lithology**: monomict\* or polymict

**Occurrence**: lava hyaloclastite volcanoclastics others

**Rock types (lava and hyaloclastite)**

Thickness of glass \_\_\_\_\_ mm

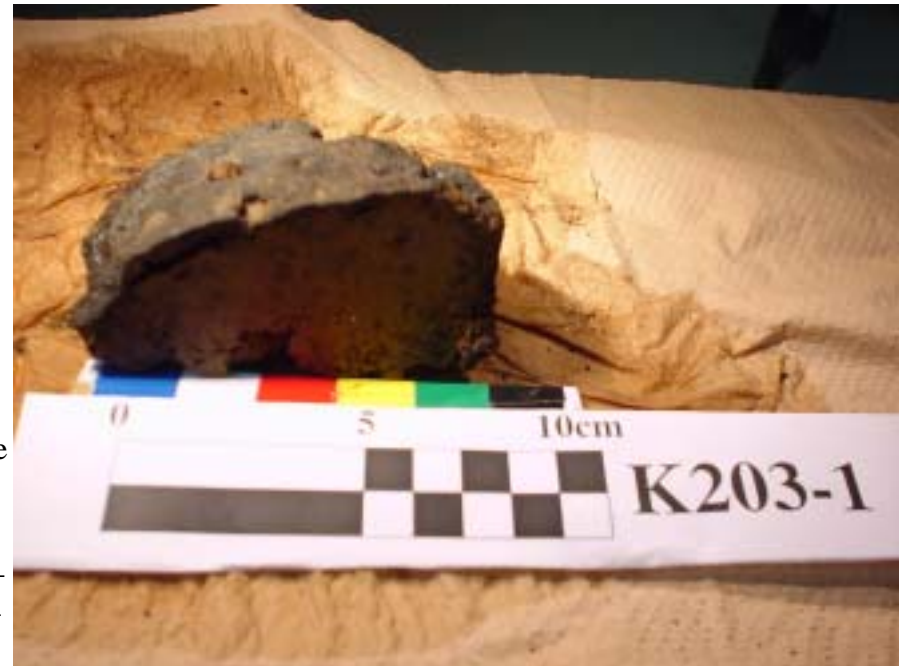
Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## 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: \_\_\_\_\_  
\_\_\_\_\_



# K203-2 (Aug. 27, 2001)

Described by M. Nakagawa

Sample Size : X= 16cm, Y= 10cm, Z= 4cm; Weight: 2.5kg

Mn coating : <1 mm; Color (inside the rock): light brown

Alteration: no weak \* strong; Vesicularity N %

Lithology: monomict\* or polymict

Occurrence: lava hyaloclastite volcanoclastics others silt

## Rock types (lava and hyaloclastite)

Thickness of glass		mm	
Picrite:	Phenocrysts=	%,	%
Ol basalt	Phenocrysts=	%,	%
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 silt

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

Sorting : well-----poorly

Roundness : round\*-----angular

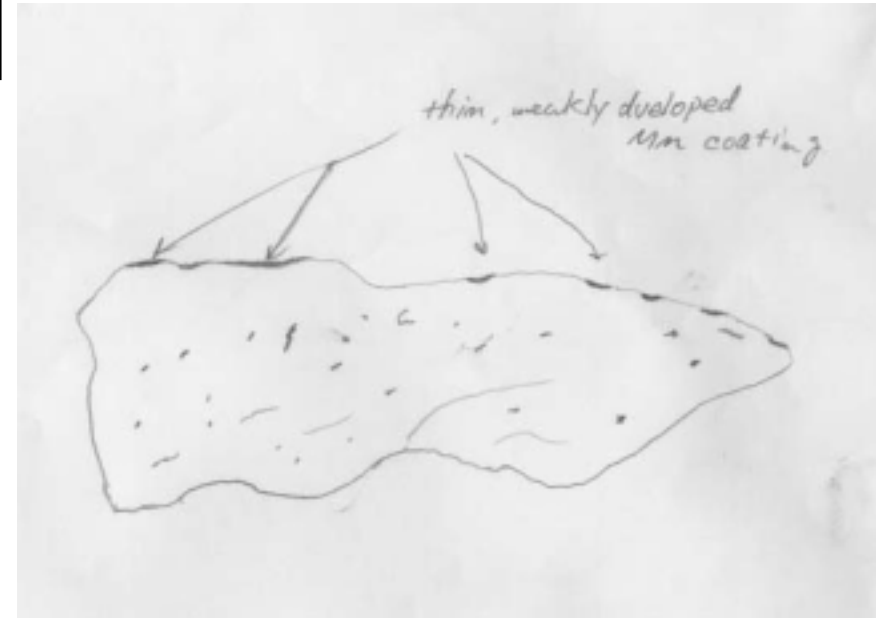
Fabric: clast-support ----- matrix support\*

Grading normal-----none\*-----reverse

Matri silt \* sand paragonaite volcanic glass

weak Lithified\* or unlithified

Sedimentary structure: silt stone



# K203-3a (Aug. 27, 2001)

Described by Kunikio

Sample Size : X= 13cm, Y= 7.5cm, Z= 1cm; Weight: 1kg

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

Alteration: no\* weak strong; Vesicularity \_\_\_N %

Lithology: monomict\* or polymict

Occurrence: lava \* hyaloclastite volcanoclastics others\* silt

Rock types (lava and hyaloclastite)

Thickness of glass	mm		
Picrite: Phenocrysts=	%,		%
Ol basalt * Phenocrysts=	Ol; 15 %,		%
Pl-ol basalt Phenocrysts=	%,		%
Aphyric rock Phenocrysts=	%,		%
Others Phenocrysts=	%,		%
Remarks	pillow lava		

## Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono\* poly

Rock type: aphyric B, porphyritic B, picrite, others\* site

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

Sorting : well\*-----poorly

Roundness : round\*-----angular

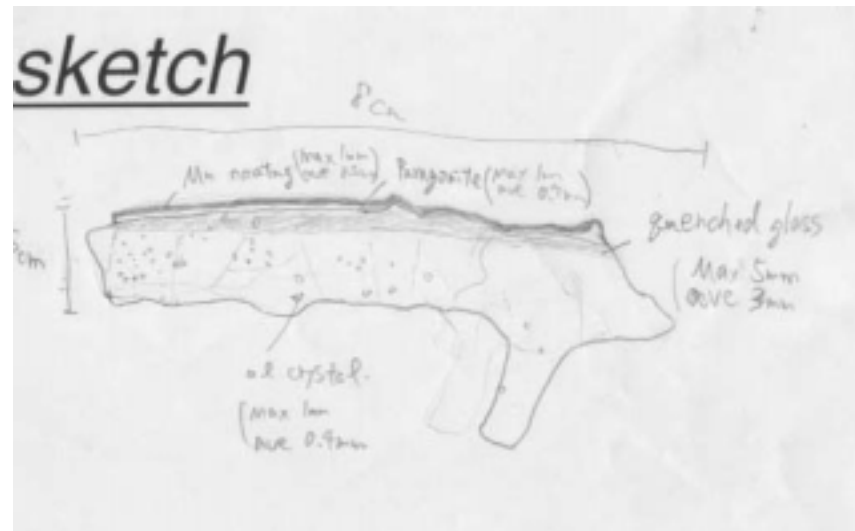
Fabric: clast-support ----- matrix support\*

Grading normal-----none\*-----reverse

Matri silt\* sand paragonaite volcanic glass

weak Lithified\* or unlithified

Sedimentary structure:\_\_\_\_\_silt stone\_\_\_\_\_



# K203-3b (Aug. 27, 2001)

Described by N. Noguchi

Sample Size : X= 13cm, Y= 7 cm, Z= 2 cm; Weight: 800 g

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

Alteration: no weak \* strong; Vesicularity less \_\_\_\_\_ %

Lithology: monomict\* or polymict

Occurrence: lava \* hyaloclastite volcaniclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

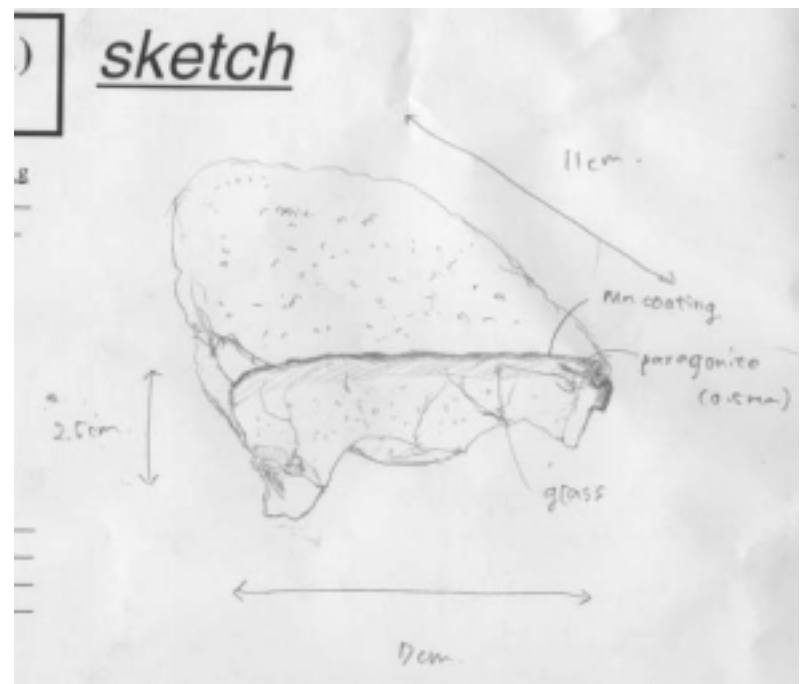
Picrite:	Phenocrysts=	%,	%
Ol basalt*	Phenocrysts=	20 %,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# K203-3c (Aug. 27, 2001)

Described by M. nakagawa

**Sample Size :** X= 8.5 cm, Y= 8cm, Z= 2 cm; **Weight:** 400 g  
**Mn coating :** 2 mm; **Color (inside the rock):** dark grey \_\_\_\_\_  
**Alteration:** no\* weak strong; **Vesicularity** <2-3\_\_ %  
**Lithology:** monomict\* or polymict  
**Occurrence:** lava hyaloclastite volcanics others

**Rock types (lava\* and hyaloclastite)** lava sheet flow\*

Thickness of glass \_\_\_\_\_ mm

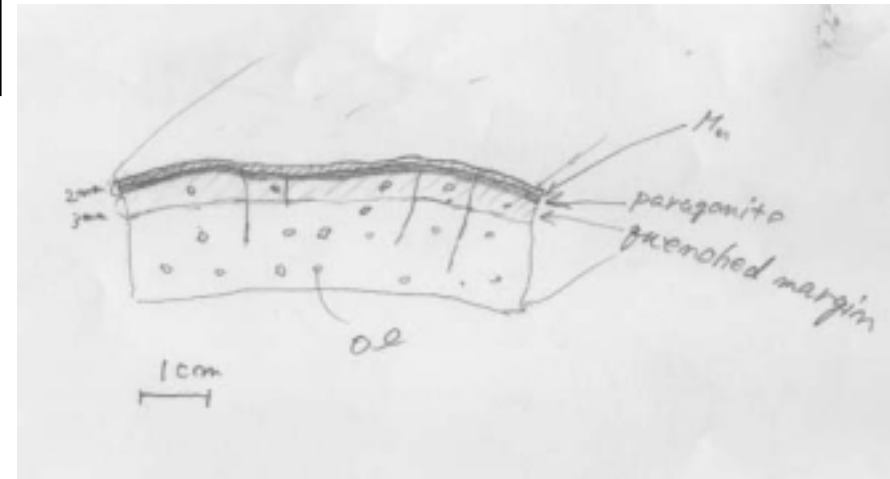
Picrite:	Phenocrysts=	%,	%
Ol basalt *	Phenocrysts=	10 %,	%
Pl-ol basalt	Phenocrysts=	%,	%
Aphyric rock	Phenocrysts=	%,	%
Others	Phenocrysts=	%,	%

Remarks Marginal part of sheet flow

## Volcaniclastic rocks and others (characteristic of the clasts)

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

Sedimentary structure: \_\_\_\_\_



# K203-4a (Aug. 27, 2001)

Described by N. Noguchi \_\_\_\_\_

Sample Size : X= 20cm, Y= 15cm, Z= 11cm; Weight: 5kg

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

Alteration: no weak\* strong; Vesicularity <1 %

Lithology: monomict\* or polymict

Occurrence: lava\* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Ol basalt \* Phenocrysts= 20 %, \_\_\_\_\_ %

Pl-ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks Ol phenocryst < 1mm

From outside to interior: Mn-coating - palagonite glass \_\_\_\_\_

## 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

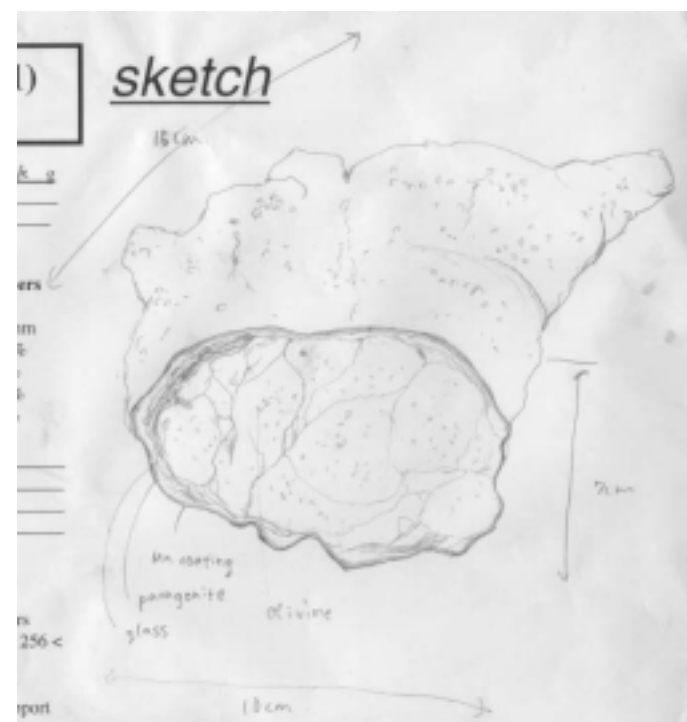
Fabric: clast-support ----- matrix support

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

Matri silt sand palagonite volcanic glass

Lithified or unlithified

Sedimentary structure: \_\_\_\_\_



# K203-4b (Aug. 27, 2001)

Described by T. Kani \_\_\_\_\_

**Sample Size :** X= 7cm, Y= 6.5 cm, Z= 4.5 cm; **Weight:** 400 g

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

**Alteration:** no\* weak strong; **Vesicularity** \_N\_\_\_\_\_ %

**Lithology:** monomict\* or polymict

**Occurrence:** lava\* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_3-4\_\_\_\_\_ mm

Picrite: Phenocrysts= %, %

Ol basalt Phenocrysts= %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock \* Phenocrysts= Ol<1 %, %

Others Phenocrysts= %, %

Remarks \_\_\_\_\_

## Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

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

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

Sorting : well-----poorly

Roundness : round-----angular

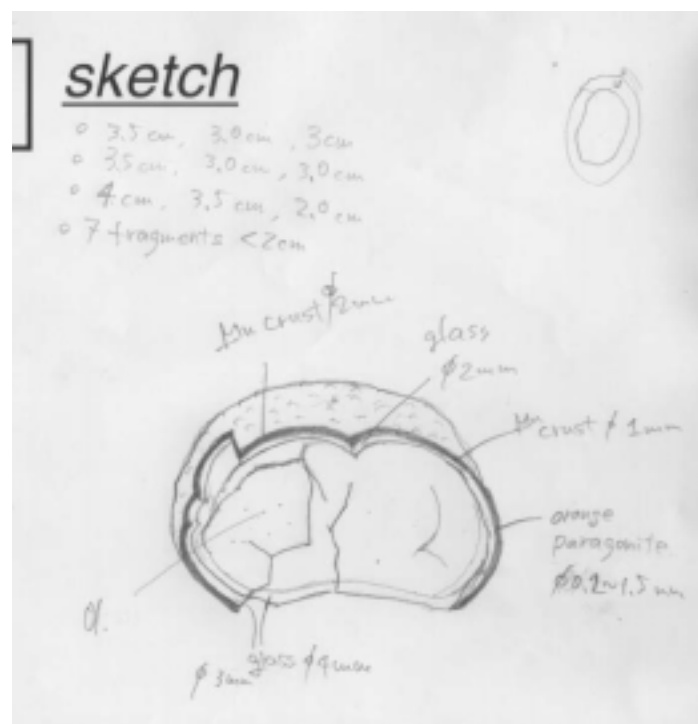
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: \_\_\_\_\_



# K203-4c (Aug. 27, 2001)

Described by Z. -Y. Ren

Sample Size : X= 8.5 cm, Y= 6 cm, Z= 3.5 cm; Weight: 200g

Mn coating : 0.7 mm; Color (inside the rock):black \_\_\_\_\_

Alteration: no\* weak strong; Vesicularity <1 %

Lithology: monomict or polymict

Occurrence: lava hyaloclastite volcanoclastics others

## Rock types (lava\* and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

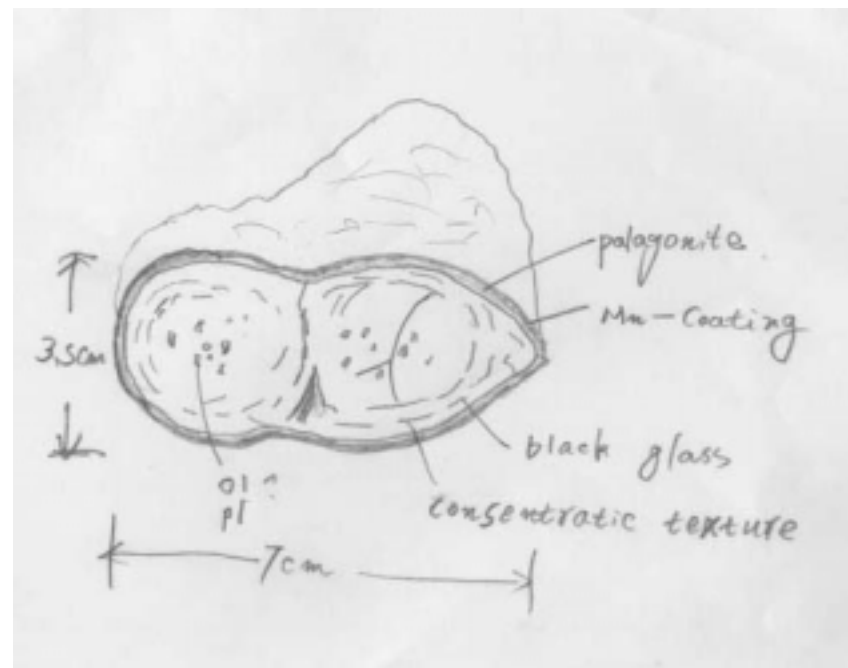
Ol basalt\* Phenocrysts= Ol; 3 \_\_\_\_\_ %, \_\_\_\_\_ %

Pl-ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks pillow olivine basalt, pillow bund



## Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

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

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

Sorting : well-----poorly

Roundness : round-----angular

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

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

Matri silt sand paragonite volcanic glass

Lithified or un lithified

Sedimentary structure: \_\_\_\_\_



# K203-5a (Aug. 27, 2001)

Described by H. Mashima

Sample Size : X= 11cm, Y= 9.5cm, Z= 5cm; Weight: 1kg

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

Alteration: no weak strong; Vesicularity %

Lithology: monomict\* or polymict

Occurrence: lava\* hyaloclastite volcanoclastics 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 massive lava, abundant of microphenocryst is high

## 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

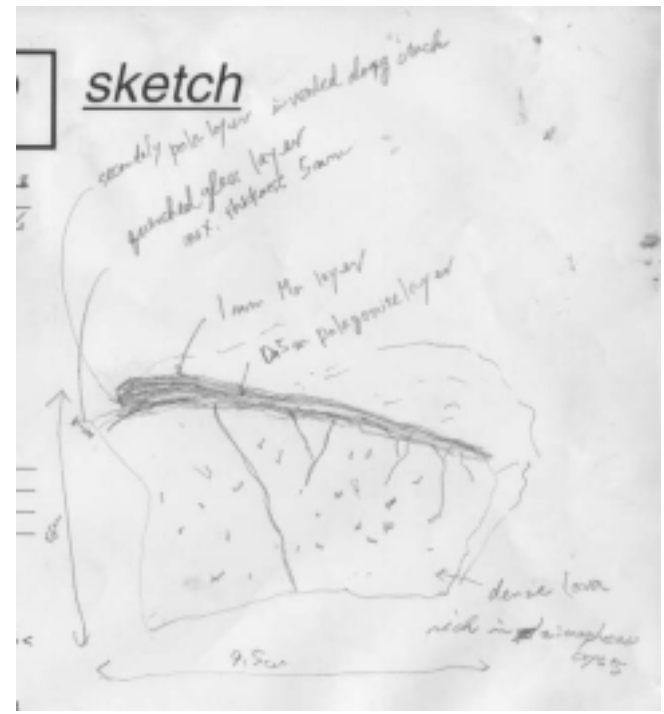
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or un lithified

Sedimentary structure:



# K203-5b (Aug. 27, 2001)

Described by Z. Y. Ren\_\_\_\_\_

Sample Size : X= 8.5 cm, Y= 5.5 cm, Z= 5cm; Weight: 4000\_g

Mn coating : 1 mm; Color (inside the rock):\_black\_\_\_\_\_

Alteration: no\* weak strong; Vesicularity <1\_\_\_\_ %

Lithology: monomict or polymict

Occurrence: lava\* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Ol basalt \* Phenocrysts= 5 %, Pl: 3 \_\_\_\_\_ %

Pl-ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks\_Pillow olivine basalt\_\_\_\_\_

## Volcanoclastic rocks and others (characteristic of the clasts)

Fragments comp.: mono poly

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

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

Sorting : well-----poorly

Roundness : round-----angular

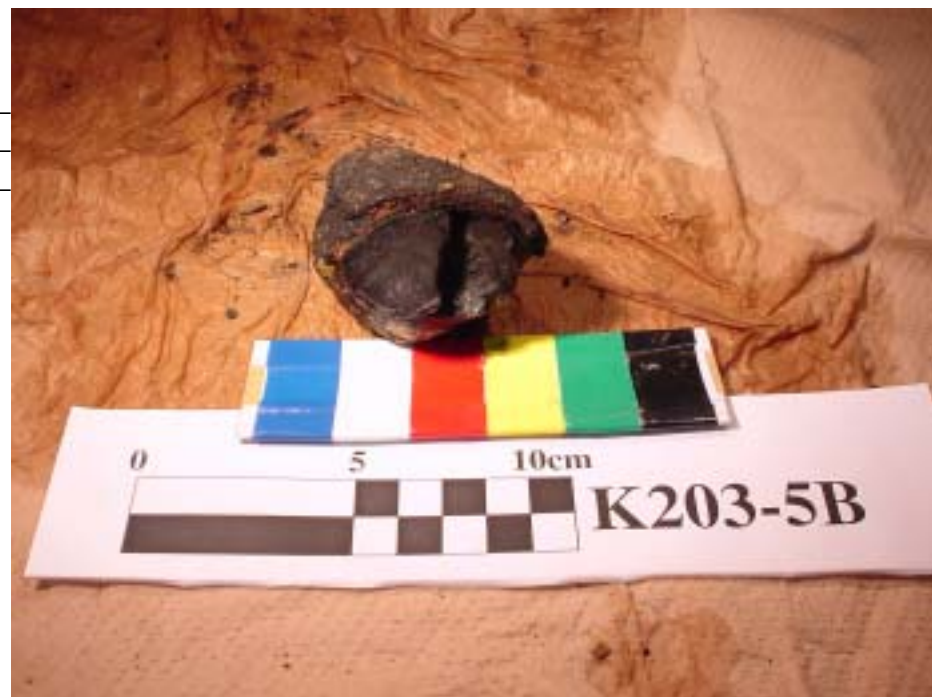
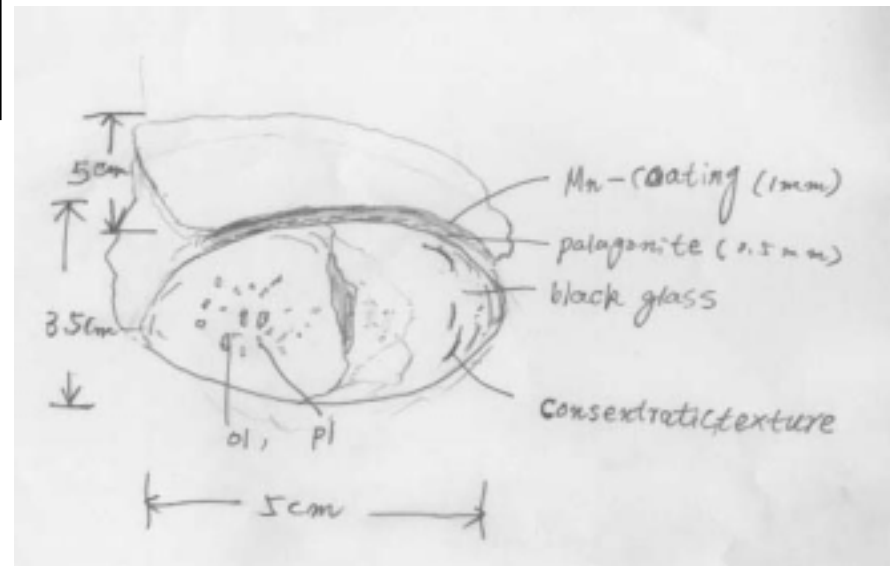
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonite volcanic glass

Lithified or unlithified

Sedimentary structure:\_\_\_\_\_



# K203-5c (Aug. 27, 2001)

Described by E. Takahashi\_\_\_\_\_

Sample Size : X= 8 cm, Y= 4.5cm, Z= 4cm; Weight: 100g

Mn coating : \_\_\_\_\_ mm; Color (inside the rock): \_\_\_\_\_

Alteration: no weak strong; Vesicularity 0-1 %

Lithology: monomict or polymict

Occurrence: lava\* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ 1 mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Pl-ol basalt\* Phenocrysts= Pl:20 %, <5 %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks\_surface of a sheet flow \_\_\_\_\_

## 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

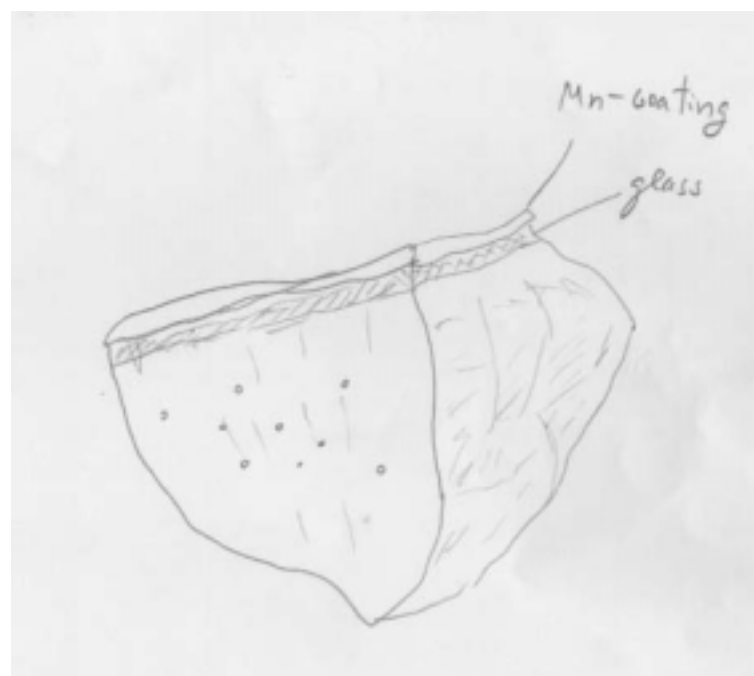
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: \_\_\_\_\_



# K203-6a (Aug. 27, 2001)

Described by N. Noguch

**Sample Size :** X= 13cm, Y= 9cm, Z= 3 cm; **Weight:** 150g

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

**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= %, %

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

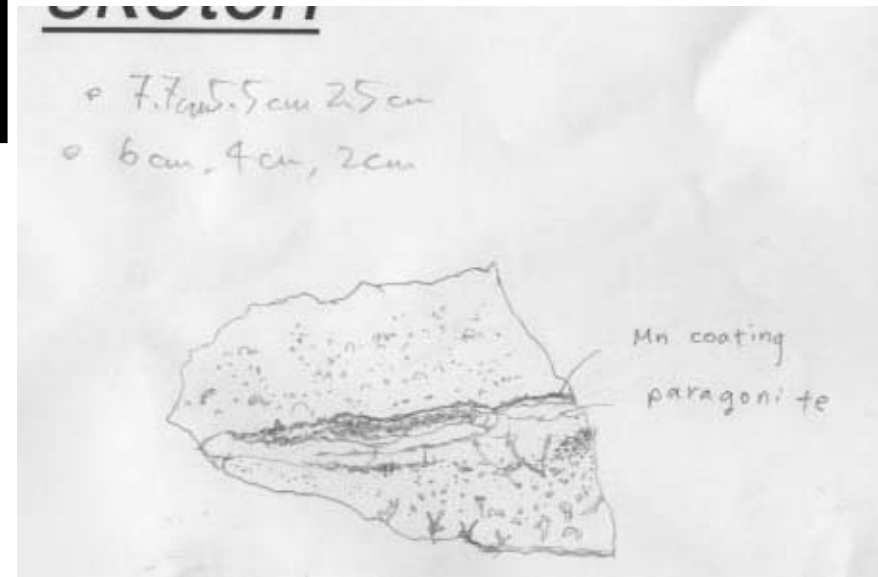
Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: \_\_\_\_\_

\_\_\_\_\_



# K203-6b (frag.)(Aug. 27 , 2001)

Described by H. Mashima\_\_\_\_\_

Sample Size : X= 5.5cm, Y= 4.2cm, Z= 2cm; Weight: 80 g

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

Alteration: no weak strong; Vesicularity \_\_\_\_\_  
%

Lithology: monomict\* or polymict

Occurrence: lava\* hyaloclastite volcanoclastics others

Rock types (lava and hyaloclastite)

Thickness of glass 3 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, porphyritic B, picrite, others

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

Sorting : well-----poorly

Roundness : round-----angular

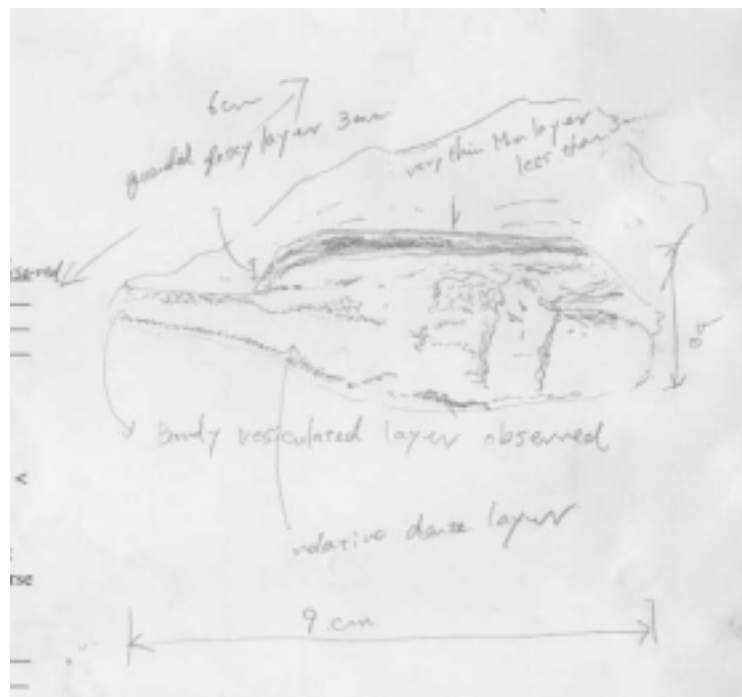
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure:\_\_\_\_\_



# K203-7 (Aug. 27, 2001)

Described by H. Yokose

**Sample Size :** X= 17cm, Y= 11 cm, Z= 6cm; **Weight:** 4kg

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

**Alteration:** no weak strong\*; **Vesicularity** bioturbation

**Lithology:** monomict or polymict

**Occurrence:** lava hyaloclastite volcanoclastics 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 \_\_\_\_\_

## 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

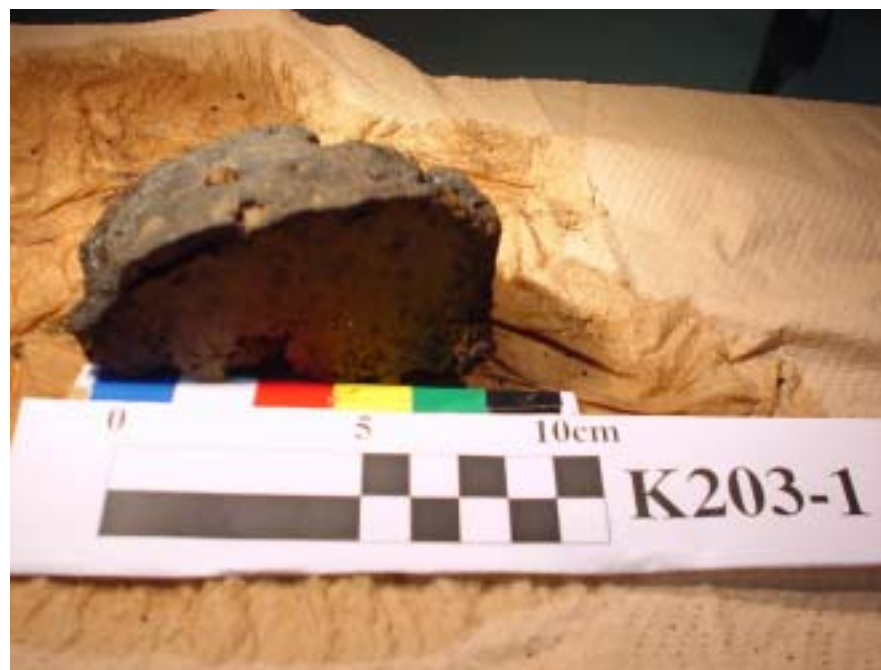
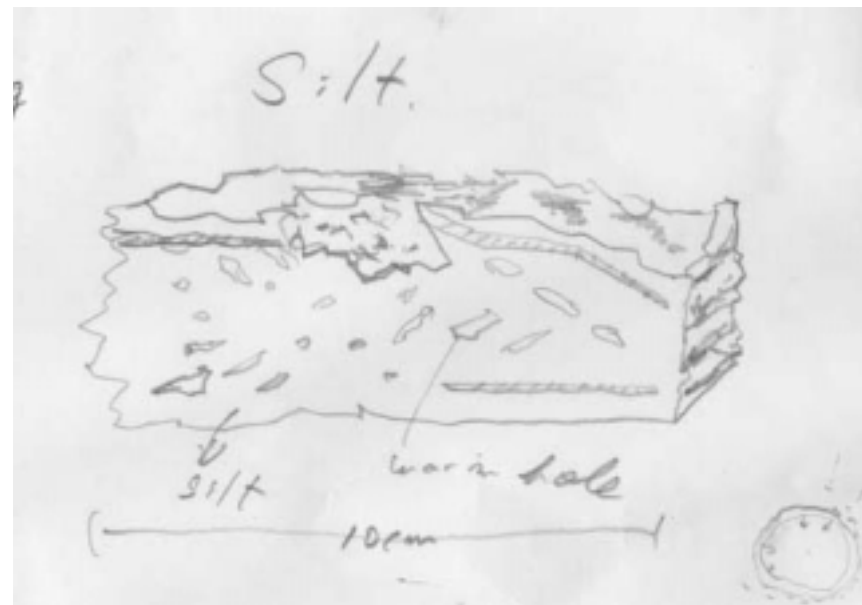
Roundness : round-----angular

Fabric: clast-support ----- matrix support\*

Grading normal-----none\*-----reverse

Matri silt\* sand paragonite volcanic glass  
Lithified or unlithified\*(very soft)

Sedimentary structure: many warm hole



# K203-8 (Aug. 27, 2001)

Described by N. Noguchi

**Sample Size :** X= 40cm, Y= 22cm, Z= 14cm; **Weight:** 14kg

**Mn coating :** 2+3mm; **Color (inside the rock):** black

**Alteration:** no\* weak strong; **Vesicularity** 37%

**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 roc \* Phenocrysts= %, %

Others Phenocrysts= %, %

Remarks black and brown layer is Mn coating , yellow layer is palagonite . \_\_\_\_\_

## 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

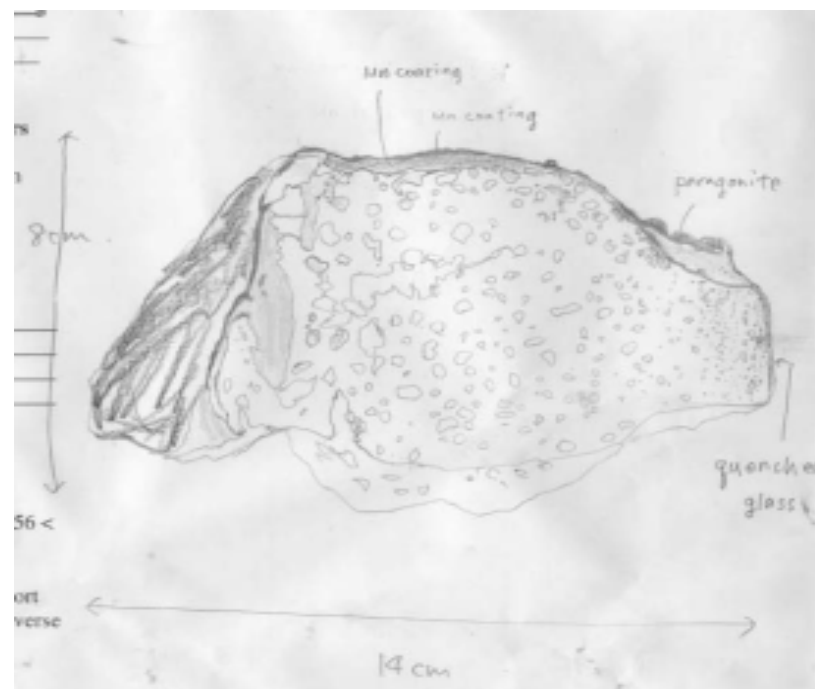
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonite volcanic glass

Lithified or un lithified

Sedimentary structure: \_\_\_\_\_



# K203-9 (Aug. 27, 2001)

Described by T. Kunikiyo

**Sample Size :** X= 48cm, Y= 24cm, Z= 10cm; **Weight:** 10kg

**Mn coating :** 6-5 mm; **Color (inside the rock):** yellow ochre

**Alteration:** no weak strong\* ; **Vesicularity** none %

**Lithology:** monomict or polymict

**Occurrence:** lava hyaloclastite volcanoclastics 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

## 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: contain fragments : basalt ( strongly weathered, black color, rounded- subrounded, vesicular)  
: ? (dark pale orange)





# K203-10 (Aug. 27, 2001)

Described by E. Takahashi

**Sample Size** : X= 27cm, Y=18 cm, Z= 10cm; **Weight**: 5kg  
**Mn coating** : 6mm; **Color (inside the rock)**: yellowish brown  
**Alteration**: no weak strong; **Vesicularity** \_\_\_\_\_  
%

**Lithology**: monomict\* or polymict

**Occurrence**: lava hyaloclastite volcanoclastics others

**Rock types (lava and hyaloclastite)**

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= %, %

Ol basalt Phenocrysts= %, %

Pl-ol basalt Phenocrysts= %, %

Aphyric rock Phenocrysts= %, %

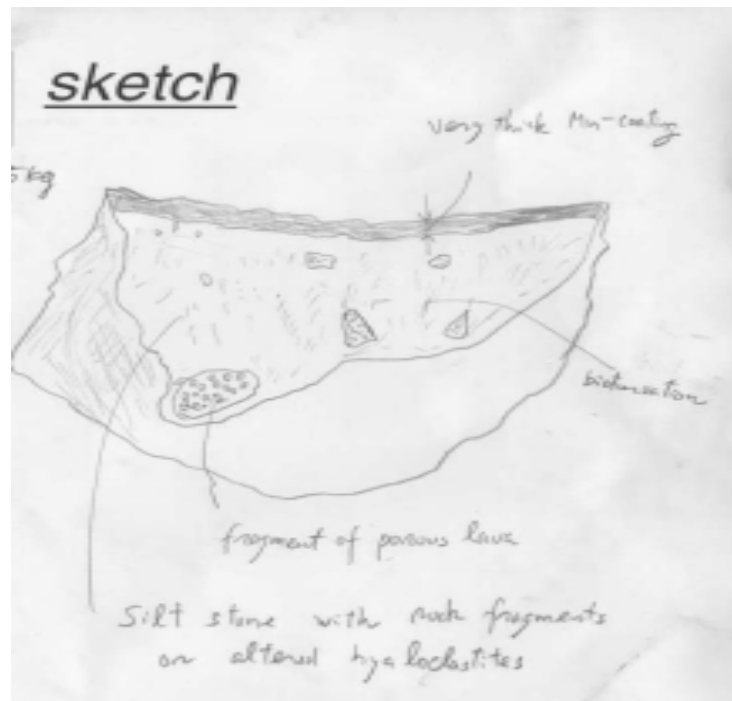
Others Phenocrysts= %, %

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# K203-12a (Aug. 27, 2001)

Described by Mashima

Sample Size : X=17.5cm, Y= 13cm, Z= 12cm; Weight: 5kg

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

Alteration: no\* weak strong; Vesicularity 40 %

Lithology: monomict or polymict

Occurrence: lava \* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Ol basalt Phenocrysts= ol:8 %, pl:2 %

Pl-ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks Maybe a part of pillow

## 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

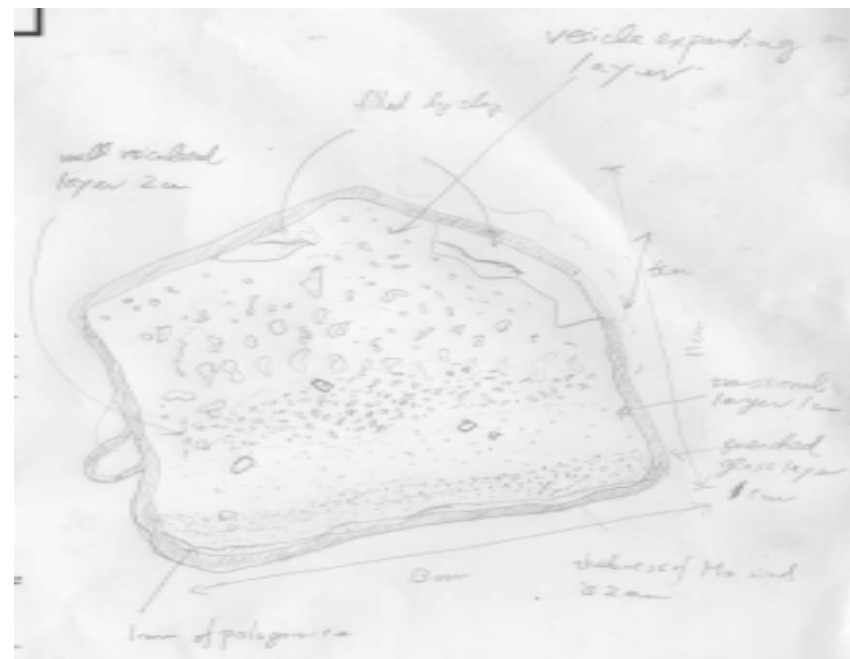
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure: \_\_\_\_\_



# K203-12b (Aug. 27, 2001)

Described by T. Kani

Sample Size : X= 13.5cm, Y= 8cm, Z= 4cm; Weight: 800g

Mn coating : 0.5-2mm; Color (inside the rock): brown\_

Alteration: no weak strong; Vesicularity \_\_\_\_\_  
%

Lithology: monomict or polymict

Occurrence: lava hyaloclastite volcanics 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, porphyritic B, picrite, others\*

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

Sorting : well-----poorly

Roundness : round-----\*-----angular

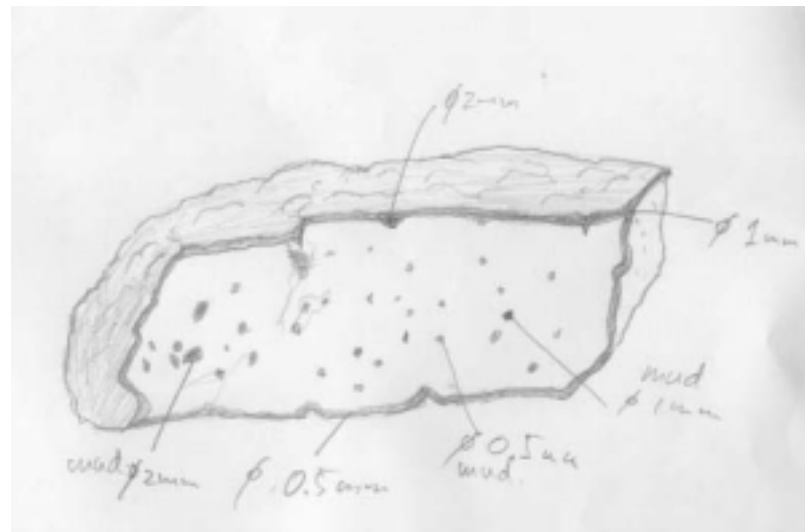
Fabric: clast-support ----- matrix support\*

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

Matri silt \* sand paragonaite volcanic glass

Lithified or unlithified

Sedimentary structure:\_\_\_hyaloclastite?  
\_\_\_\_\_  
\_\_\_\_\_



# K203-13a (Aug. 27, 2001)

Described by E. Takahashi

**Sample Size :** X= 10.5cm, Y= 10cm, Z= 9cm; **Weight:** 2kg

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

**Alteration:** no weak\* strong; **Vesicularity** 40 %

**Lithology:** monomict or polymict

**Occurrence:** lava \* hyaloclastite volcaniclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= %, %

Ol basalt Phenocrysts= 10 %, cpx? %

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

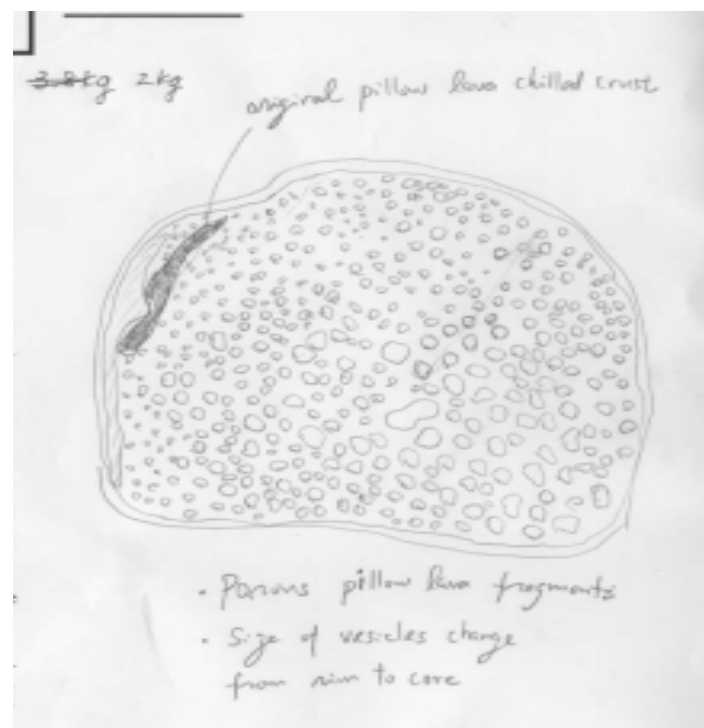
Grading normal-----none-----reverse

Matri silt sand paragonaite volcanic glass

Lithified or un lithified

Sedimentary structure: \_\_\_\_\_

\_\_\_\_\_



# K203-13b (Aug. 27, 2001)

Described by N. Noguchi

**Sample Size :** X= 7 cm, Y= 6cm, Z= 4.5cm; **Weight:** 150g

**Mn coating :** 2.5-3 mm; **Color (inside the rock):** black

**Alteration:** no weak \* strong; **Vesicularity** 30 %

**Lithology:** monomict or polymict

**Occurrence:** lava \* hyaloclastite volcaniclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

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

Remarks \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

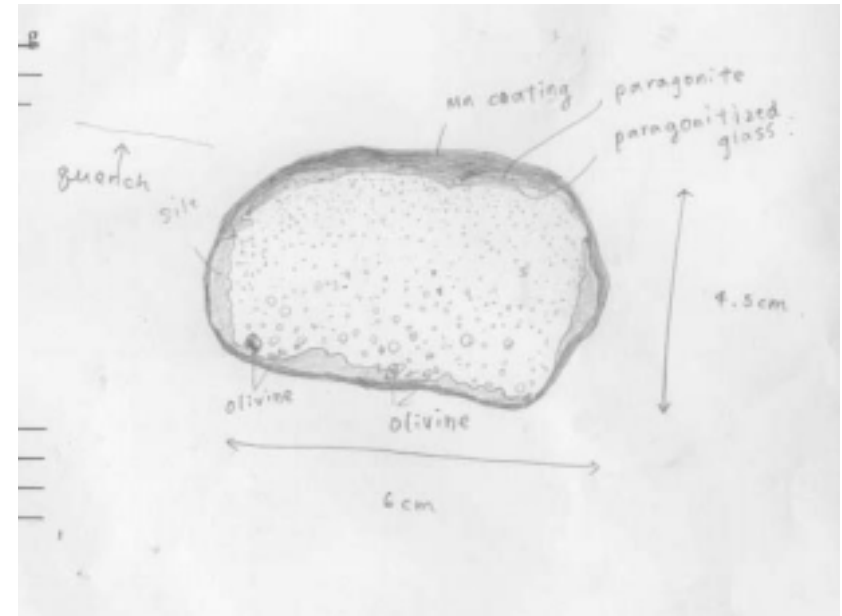
\_\_\_\_\_

## Volcaniclastic rocks and others (characteristic of the clasts)

Fragments comp.:	mono	poly
Rock type:	aphyric B, 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: \_\_\_\_\_

\_\_\_\_\_



# K203-11 (Aug. 27, 2001)

Described by Z. -Y. Ren

Sample Size : X= 27.5 cm, Y= 23.5cm, Z= 20cm; Weight: 12kg

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

Alteration: no weak strong; Vesicularity 35%

Lithology: monomict or polymict

Occurrence: lava\* hyaloclastite volcanoclastics others

## Rock types (lava and hyaloclastite)

Thickness of glass \_\_\_\_\_ mm

Picrite: Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Ol basalt\* Phenocrysts= 10 %, \_\_\_\_\_ %

Pl-ol basalt Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Aphyric rock Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Others Phenocrysts= \_\_\_\_\_ %, \_\_\_\_\_ %

Remarks highly vesicular olivine basalt

## 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

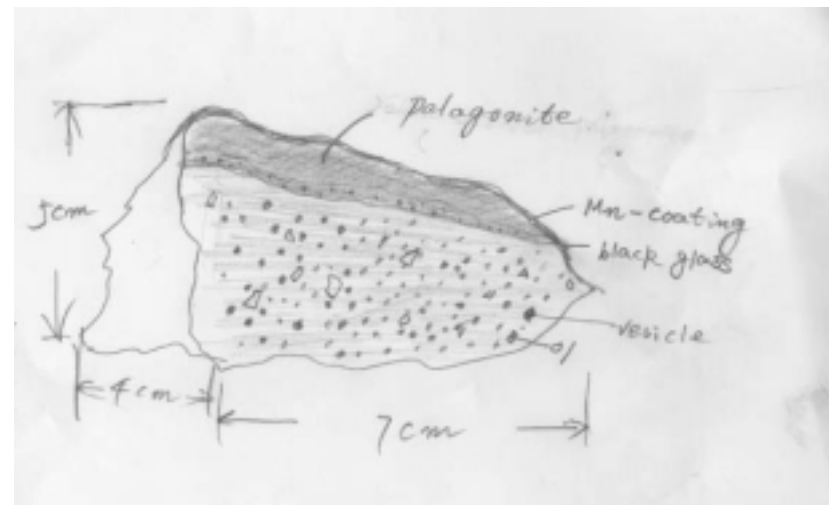
Fabric: clast-support ----- matrix support

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

Matri silt sand paragonaite volcanic glass

Lithified or un lithified

Sedimentary structure: \_\_\_\_\_



# K203-14 (Aug. 27, 2001)

Described by Z. -Y. Ren

**Sample Size :** X=51 cm, Y=12 cm, Z=10 cm; **Weight:** 9.5kg

**Mn coating :** 4 mm; **Color (inside the rock):** light brown

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

**Lithology:** monomict\* or polymict

**Occurrence:** lava hyaloclastite volcanoclastics 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 \_\_\_\_\_

## 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: strongly weathered fine hyaloclastite have altered to form clay \_\_\_\_\_

