Sediment Smear Slide / Thin Section Description Sheet

Date: 25.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 1H Sect.: 1 Interval: 30

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
3	37	60

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
C	Foraminifers
	Siliceous Grain
C	Diatom
	Radiolarians
F	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 25. 4.13

Expedition: 338

Observer: M.S

Site: C0021 Hole: B Core: 1H Sect.: 5 Interval: 76

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
1	35	44

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
R	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
C	Foraminifers
	Siliceous Grain
C	Diatom
	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 25.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 2H Sect.: 4 Interval: 35

Sediment Name: volcanic ash (dark)

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
	X		

Select one and check.

Percent Texture Sand	Silt	Clay
50	30	20

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
E	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
R	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
A	Vitric Grain
C	Glass

Percent	Composition
	Pelagic Grain
	Calcareous Grain
F	Nannofossils
E	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
C	Opaque Grain

Fill percentage (Total must be 100).

Remarks: microlithic glass

Sediment Smear Slide / Thin Section Description Sheet

Date: 25.4.13

Expedition: 338

Observer: M. S.

Site: C0021 Hole: B Core: 2H Sect.: ~~2~~ 6 Interval: 25

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment: Siliciclastic	Volcaniclastic	Peragic	Chemical Sediment: Neritic
x	(x)	(x)	

Select one and check.

Percent Texture: Sand	Silt	Clay
1	39	60

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
	Vitric Grain
F	Glass

Percent	Composition
	Pelagic Grain
	Calcareous Grain
C	Nannofossils
F	Foraminifers
	Siliceous Grain
C	Diatom
R	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 25.4.13

Expedition: 338

Observer: M.S

Site: C0021 Hole: B Core: 2H Sect.: 7 Interval: 27

Sediment Name: volcanic ash (light)

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	X		

Select one and check.

Percent Texture		
Sand	Silt	Clay
70	30	

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
R	Clay Minerals
	Zeolites
	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
A	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
	Vitric Grain
A	Glass

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R	Nannofossils
R	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
R	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 3H Sect.: 2 Interval: 23

Sediment Name: vitric ash

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	X		

Select one and check.

Percent Texture		
Sand	Silt	Clay
65	30	5

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
C	Feldspars
	Micas
F	Hbl Ferromagnesian Minerals
	Glauconite
R	Clay Minerals
	Zeolites
	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
A	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 3H Sect.: 3 Interval: 50

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(X)	(X)	

Select one and check.

Percent Texture Sand	Silt	Clay
1	30	69

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
R	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
R	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain Glass

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
F	Foraminifers
	Siliceous Grain
F	Diatom
F	Radiolarians
F	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 26.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 4H Sect.: 6 Interval: 85cm

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
0	35	65

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
	Micas
R	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
C	Foraminifers
	Siliceous Grain
F	Diatom
R	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 26. 4. 13

Expedition: 338

Observer: MS

Site: C0021 Hole: B Core: 5H Sect.: 7 Interval: 86

Sediment Name: vitric ash

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
	X		

Select one and check.

Percent Texture Sand	Silt	Clay
20	70	10

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
C	Feldspars
	Micas
F	Ferromagnesian Minerals
	Glauconite
F	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
R	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
A	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
F	Nannofossils
R	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.13

Expedition: 838

Observer:

Site: C0021 Hole: B Core: 5 Sect.: 7 Interval: 62 cm

Sediment Name: silty sand

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
X	(X)		

Select one and check.

Percent Texture		
Sand	Silt	Clay
45	35	20

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
F	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
R	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
R	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
	Nannofossils
C	Foraminifers
	Siliceous Grain
F	Diatom
R	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 26.4.13

Expedition: 338

Observer: MS

Site: C0021 Hole: B Core: 6 Sect.: 7 Interval: 40

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
2	38	60

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
R	Micas
R	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
C	Nannofossils
F	Foraminifers
	Siliceous Grain
F	Diatom
R	Radiolarians
F	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 27.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 7H Sect.: 6 Interval: 30

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Pelagic	Chemical Sediment Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
1	34	65

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
C	Foraminifers
	Siliceous Grain
F	Diatom
R	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 27.4.13

Expedition: 338

Observer: M.S

Site: C0021 Hole: B Core: 84 Sect.: 4 Interval: 136

Sediment Name: sandy silt

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(X)		

Select one and check.

Percent Texture Sand	Silt	Clay
30	60	10

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
C	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
C	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
F	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
F	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R ~~C~~	Nannofossils
C	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
R	Sillicoflagellates
R	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 27.4.13

Expedition: 338 Observer: M.S

Site: C0021 Hole: B Core: 8H Sect.: 6 Interval: 130

Sediment Name: vitric fine ash

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
x			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	x		

Select one and check.

Percent Texture		
Sand	Silt	Clay
10	70	20

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
R	Micas
	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
A	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R	Nannofossils
	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
	Sillicoflagellates
R	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 8H Sect.: 7 Interval: 100

Sediment Name: sand

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
X	(X)		

Select one and check.

Percent Texture		
Sand	Silt	Clay
45	35	20

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
A	Quartz
A	Feldspars
R	Micas
C	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
F	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
R	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
R	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
R	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R	Nannofossils
F	Foraminifers
	Siliceous Grain
R	Diatom
R	Radiolarians
R	Sillicoflagellates
R	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.2013

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 10H Sect.: 4 Interval: 70 cm

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic

Select one and check.

Percent Texture Sand	Silt	Clay
2	30	68

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
C	Feldspars
	Micas
R	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
F	Foraminifers
	Siliceous Grain
C	Diatom
R	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 28.4.13

Expedition: 338

Observer: M.S

Site: C0021 Hole: B Core: 11H Sect.: 2 Interval: 77cm

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X	(x)	(x)	

Select one and check.

Percent Texture Sand	Silt	Clay
5	40	55

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
R	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
R	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
F	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
A	Nannofossils
F	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
R	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 28.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 11H Sect.: 3 Interval: 57

Sediment Name: sand

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment: Siliciclastic	Volcaniclastic	Peragic	Chemical Sediment: Neritic
X			

Select one and check.

Percent Texture: Sand	Silt	Clay
60	30	10

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
F	Micas
F	Ferromagnesian Minerals
	Glauconite
C	Clay Minerals
	Zeolites
R	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
C	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
C	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R	Nannofossils
F	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 28. 4 13

Expedition: 338

Observer: M.S.

Site: C0021B Hole: B Core: 13 Sect.: 1 Interval: 68

Sediment Name: fine sand

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
X			

Select one and check.

Percent Texture		
Sand	Silt	Clay
60	40	

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
F	Clay Minerals
	Zeolites
R	Heavy Minerals
C	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
C	Lithic Grain
X	Sedimentary Lithic Grain
	Igneous Lithic Grain
X	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
F	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
[illegible]	Nannofossils
F	Foraminifers
	Siliceous Grain
R	Diatom
	Radiolarians
	Sillicoflagellates
R	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 28.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 13T Sect.: 4 Interval: 7

Sediment Name: ~~silty sand~~ sandy silt

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X			

Select one and check.

Percent Texture Sand	Silt	Clay
40	60	

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
F	Ferromagnesian Minerals
	Glauconite
F	Clay Minerals
	Zeolites
F	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
C	Sedimentary Lithic Grain
	Igneous Lithic Grain
C	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
F	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
R	Nannofossils
C	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 28.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 13 T Sect.: 4 Interval: 34

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
X			

Select one and check.

Percent Texture Sand	Silt	Clay
1	34	65

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
F	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
D	Clay Minerals
	Zeolites
	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
F	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
F	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
F	Nannofossils
F	Foraminifers
	Siliceous Grain
F	Diatom
F	Radiolarians
F	Sillicoflagellates
F	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.13

Expedition: 338

Observer: M. S

Site: C0021 Hole: B Core: 13T Sect.: 5 Interval: 48

Sediment Name: ash

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	X		

Select one and check.

Percent Texture		
Sand	Silt	Clay
30	70	

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
F	Quartz
C	Feldspars
	Micas
F	Ferromagnesian Minerals
	Glauconite
	Clay Minerals
	Zeolites
	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
C	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
A	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
	Nannofossils
R	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks: [illegible]

Sediment Smear Slide / Thin Section Description Sheet

Date 28.4.13

Expedition: 338

Observer: M.S.

Site: C0021 Hole: B Core: 14 T Sect.: 7 Interval: 42

Sediment Name: coarse ash / volcanic sands

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment Siliciclastic	Volcaniclastic	Chemical Sediment Peragic	Neritic
	X		

Select one and check.

Percent Texture Sand	Silt	Clay
70	30	

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
R	Quartz
A	Feldspars
	Micas
C	Ferromagnesian Minerals
	Glauconite
	Clay Minerals
	Zeolites
R	Heavy Minerals
R	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
F	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
C	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
?	Nannofossils
F	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Sillicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmer
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks: green + brown Hbl (+ Pyroxen ?)

Sediment Smear Slide / Thin Section Description Sheet

Date: 28. 4. 13

Expedition: 338

Observer: M. S.

Site: C0021 Hole: B Core: 14 Sect.: 8 Interval: 120

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Feaction	Grain Mounrt
X			

Select one and check.

Granular Sediment: Siliciclastic	Granular Sediment: Volcaniclastic	Chemical Sediment: Peragic	Neritic
X			

Select one and check.

Percent Texture: Sand	Silt	Clay
3	40	57

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
C	Quartz
C	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
A	Clay Minerals
	Zeolites
	Heavy Minerals
F	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Picritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
C	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
C	Nannofossils
F	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
R	Sillicoflagellates
R	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragmen
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Araginitic Graing
	Sideritic Graing

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain

Fill percentage (Total must be 100).

Remarks: