

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: C0002 Hole: K Core: 1H Sect: 1

Interval: 10

Sediment Name: Silty clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
<input checked="" type="checkbox"/>			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Meritic
<input checked="" type="checkbox"/>			

Percent Texture	
Sand	Silt Clay
<u>3</u>	<u>40 57</u>

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
<u>40</u>	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glaucanite
<u>30</u>	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
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
<u>20</u>	Nannofossils
	Foraminifers
<u>2</u>	Siliceous Grain
	Diatom
	Radiolarians
	Silicoflagellates
<u>3</u>	Sponge Spicules
	Meritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragment
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Aragonitic Grain
	Sideritic Grain

Percent	Composition
	Others
	Gypsiferous Grain
<u>10</u>	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
	Pyrite Grain
	Opaque Grain
<u>5</u>	Red-brown OM

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: C0002 Hole: K Core: 1H Sect.: 2

Interval: 74

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragig	Neritic	Sand	Silt
✓				✓			✓	25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain
5	Quartz	Feldspars	10	Calcareous Grain		10		
	Micas			Nannofossils				
	Ferromagnesian Minerals			Foraminifers				
	Glaucanite		15	Siliceous Grain				
	Clay Minerals		2	Diatom				
	Zeolites		3	Radiolarians				
	Heavy Minerals			Silicoflagellates				
	Pyrite			Sponge Spicule				
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Pieritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Graing				
	Andesitic Lithic Grain			Sideritic Graing				
	Dacitic Lithic Grain							
	Rhollitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338 Observer: KCM

Site: C0002 Hole: K Core: 1A Sect.: 4 Interval: 77

Sediment Name: silty sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment			Percent Texture			
				Siliclastic	Volcaniclastic	Pelagic	Siliclastic	Pelagic	Neritic	Sand	Silt	Clay	
✓						✓					55	35	10

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Minerals		Calcareous Grain		Others		Gypsiferous Grain
	Quartz	10	Nannofossils				Calcareous Grain
50	Feldspars	25	Foraminifers				Sapropelic Grain
	Micas		Siliceous Grain				Mn Nodules/ Crusts
	Ferromagnesian Minerals	2	Diatom				Pyrite Grain
	Glaucanite		Radiolarians				Opaque Grain
	Clay Minerals		Silicoflagellates				
	Zeolites	2	Sponge Spicule				
1	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite		Neritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
5	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Fragment				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Pieritic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Grain				
	Andesitic Lithic Grain		Sideritic Grain				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
5	Vitric Grain						

Fill percentage (Total must be 100).

Remarks: diverse dense mineral - blue amphiboles

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338 Observer: KLM

Site: 10002 Hole: K Core: 1H Sect.: 4 Interval: 90

Sediment Name: silly clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				2	28	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Others
		Quartz		Calcareous Grain		5		Calcareous Grain
		Feldspars	30	Nannofossils				Calcareous Grain
		Micas		Foraminifers				Sapropelic Grain
		Ferromagnesian Minerals		Siliceous Grain				Mn Nodules/ Crusts
		Glaucanite	15	Diatom				Pyrite Grain
		Clay Minerals	2	Radiolarians				Opaque Grain
	35	Zeolites	3	Silicoflagellates				
		Heavy Minerals		Sponge Spicule				
		Pyrite						
		Phospholite						
		Aragonite		Neritic Grain				
		Calcite		Ooid				
		Oolites		Spherical Particles				
		Lithic Grain		Elliptical Particles				
		Sedimentary Lithic Grain		Bioclast				
		Igneous Lithic Grain		Molluscan				
		Metamorphic Lithic Grain		Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
		Volcaniclastic Grain		Intraclast				
		Scoria / Pumice		Carbonate Rock Fragment				
		Scoria		Peloid				
		Pumice		Pisolite				
		Volcaniclastic Lithic Grain		Calcareous Grain				
		Pteritic Lithic Grain		Dolomitic Grain				
		Basaltic Lithic Grain		Aragonitic Grain				
		Andesitic Lithic Grain		Sideritic Grain				
		Dacitic Lithic Grain						
		Rhyolitic Lithic Grain						
		Crystal Grain						
		Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: 0002 Hole: K Core: 11 Sect.: 5

Interval: 30

Sediment Name: sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
<input checked="" type="checkbox"/>			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
<input checked="" type="checkbox"/>			

Percent Texture		
Sand	Silt	Clay
<u>40</u>	<u>50</u>	<u>10</u>

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
<u>10</u>	Clay Minerals
	Zeolites
	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
<u>10</u>	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Pieritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

Percent	Pelagic Grain	Composition
	Calcareous Grain	
<u>15</u>	Nannofossils	
<u>20</u>	Foraminifers	
<u>10</u>	Siliceous Grain	
	Diatom	
	Radiolarians	
	Silicoflagellates	
	Sponge Spicule	
	Neritic Grain	
	Ooid	
	Spherical Particles	
	Elliptical Particles	
	Bioclast	
	Molluscan	
	Algal	
	Pellet	
	Molluscs	
	Echinoderms	
	Others	
	Intraclast	
	Carbonate Rock Fragment	
	Peloid	
	Pisolite	
	Calcareous Grain	
	Dolomitic Grain	
	Aragonitic Grain	
	Sideritic Grain	

Percent	Others	Composition
	Gypsiferous Grain	
<u>5</u>	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 12-21-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 2H Sect.: 1

Interval: 44

Sediment Name: silty clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment	Chemical Sediment		Percent Texture		
	Siliciclastic	Volcaniclastic		Sand	Silt
✓			5	25	70

Select one and check.

Peragic Grain	Composition	Percent	Composition
30	Calcareous Grain		Gypsiferous Grain
	Nannofossils		Calcareous Grain
	Foraminifers		Sapropelic Grain
10	Siliceous Grain		Mn Nodules/ Crusts
	Diatom		Pyrite Grain
	Radiolarians		Opaque Grain
5	Silicoflagellates		
	Sponge Spicule		

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
10	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glaucanite
35	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
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
10	Vitric Grain

Percent	Composition	Percent	Composition
	Calcareous Grain		Others
	Nannofossils	5	Gypsiferous Grain
	Foraminifers		Calcareous Grain
	Siliceous Grain		Sapropelic Grain
	Diatom		Mn Nodules/ Crusts
	Radiolarians		Pyrite Grain
	Silicoflagellates		Opaque Grain
	Sponge Spicule		
	Neritic Grain		
	Ooid		
	Spherical Particles		
	Elliptical Particles		
	Bioclast		
	Molluscan		
	Algal		
	Pellet		
	Molluscs		
	Echinoderms		
	Others		
	Intraclast		
	Carbonate Rock Fragment		
	Peloid		
	Pisolite		
	Calcareous Grain		
	Dolomitic Grain		
	Aragonitic Grain		
	Sideritic Grain		

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: C0002

Hole: K

Core: 2H

Sept.: 1

Interval: 62

Sediment Name: fine ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
<input checked="" type="checkbox"/>			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	✓		

Percent Texture		
Sand	Silt	Clay
60	40	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
5	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
	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
15	Volcaniclastic Lithic Grain
	Pieritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
80	Yitric 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 Fragment
	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 12-21-12

Expedition: 338

Observer: KCM

Site: Cocca Hole: K Core: ZH Sect.: 2cc

Interval: 10

Sediment Name: Coarse ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay	
✓									90	10	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain
10		Quartz		Calcareous Grain				
		Feldspars		Nannofossils				
		Micas		Foraminifers				
		Ferromagnesian Minerals		Siliceous Grain				
		Glauconite		Diatom				
		Clay Minerals		Radiolarians				
		Zeolites		Silicoflagellates				
		Heavy Minerals		Sponge Spicule				
		Pyrite						
		Phospholite						
		Aragonite		Neritic Grain				
		Calcite		Ooid				
		Oolites		Spherical Particles				
		Lithic Grain		Elliptical Particles				
		Sedimentary Lithic Grain		Bioclast				
		Igneous Lithic Grain		Molluscan				
		Metamorphic Lithic Grain		Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
		Volcaniclastic Grain		Intraclast				
		Scoria / Pumice		Carbonate Rock Fragment				
		Scoria		Peloid				
10		Pumice		Pisolite				
		Volcaniclastic Lithic Grain		Calcareous Grain				
		Pieritic Lithic Grain		Dolomitic Grain				
		Basaltic Lithic Grain		Araginitic Graing				
		Andesitic Lithic Grain		Sideritic Graing				
		Dacitic Lithic Grain						
		Rhyolitic Lithic Grain						
		Crystal Grain						
80		Yitric Grain						

Fill percentage (Total must be 100).

Remarks: clear glass

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: C0002 Hole: K Core: BT Sect.: 1

Interval: 47

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment	Chemical Sediment		Percent Texture		
	Siliciclastic	Volcaniclastic		Sand	Silt
				35	65

Select one and check.

Percent	Composition		Percent	Composition
	Pelagic Grain	Calcareous Grain		

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
15	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
48	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
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

Select one and check.

Percent	Composition
	Pelagic Grain
	Calcareous Grain
25	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Silicoflagellates
1	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rook Fragment
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Aragonitic Grain
	Sideritic Grain

Select one and check.

Percent	Composition
	Gypsiferous Grain
	Calcareous Grain
5	Sapropelic Grain
	Mn Nodules/ Crusts
1	Pyrite Grain
	Opaque Grain
1	Red-lac. OM

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KCM

Site: C0002 Hole: K Core: BT Sect.: 2

Interval: 41'

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
✓			

Percent Texture		
Sand	Silt	Clay
-	30	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
10	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glaucanite
40	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
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
30	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Silicoflagellates
1	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragment
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Aragonitic Grain
	Sideritic Grain

Percent	Composition
	Others
	Gypsiferous Grain
5	Calcareous Grain
	Sapropelic Grain
	Mn Nodules / Crusts
1	Pyrite Grain
	Opaque Grain
1	red-brown OM

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 3T Sect.: 2

Interval: 60

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
✓			

Select one and check.

Percent Texture	
Sand	Clay
-	75

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
15	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glaucanite
50	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
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
2	Crystal Grain
	Vitric Grain

Percent	Composition
	Pelagic Grain
25	Calcareous Grain
	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
2	Silicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragment
	Peloid
	Pisolite
	Calcareous Grain
	Dolomitic Grain
	Aragonitic Grain
	Sideritic Grain

Percent	Composition
	Others
	Gypsiferous Grain
5	Calcareous Grain
	Sapropelic Grain
1	Mn Nodules / Crusts
	Pyrite Grain
	Opaque Grain
F	Red-brown OM

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 3T Sect.: 4

Interval: 60

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				45	45	55

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
45	Quartz	20	Nannofossils		Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glaucanite		Radiolarians		Opaque Grain
30	Clay Minerals		Silicoflagellates		red-brown OM
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Pieritic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginific Graing		
	Andesitic Lithic Grain		Sideritic Graing		
	Dacitic Lithic Grain				
	Rholitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C002 Hole: K

Core: 3T Sect: 4

Interval: 85

Sediment Name: Sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
<input checked="" type="checkbox"/>			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
<input checked="" type="checkbox"/>			

Percent Texture		
Sand	Silt	Clay
<u>100</u>		

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliciclastic Grain
	Minerals
<u>65</u>	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
	Clay Minerals
	Zeolites
	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
<u>25</u>	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
	Volcaniclastic Lithic Grain
	Pteritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

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

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
	Sapropelic Grain
	Mn Nodules/ Crusts
<u>5</u>	Pyrite Grain
<u>5</u>	Opaque Grain

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: HT Sect.: 1 Interval: 11

Sediment Name: fine sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				100		

Select one and check.

Select one and check.

Select one and check.

Percent	Composition			Percent	Composition			Percent	Composition					
	Siliclastic Grain	Minerals	Others		Pelagic Grain	Calcareous Grain	Others		Others	Gypsiferous Grain	Calcareous Grain	Sapropelic Grain		
		Quartz				Nannofossils								
		Feldspars				Foraminifers								
		Micas				Siliceous Grain								
		Ferromagnesian Minerals				Diatom								
		Glaucinite				Radiolarians								
		Clay Minerals				Silicoflagellates								
		Zeolites				Sponge Spicule								
		Heavy Minerals												
		Pyrite												
		Phospholite												
		Aragonite				Neritic Grain								
		Calcite				Ooid								
		Oolites				Spherical Particles								
		Lithic Grain				Elliptical Particles								
5		Sedimentary Lithic Grain				Bioclast								
		Igneous Lithic Grain				Molluscan								
30		Metamorphic Lithic Grain				Algal								
						Pellet								
						Molluscs								
						Echinoderms								
						Others								
		Volcaniclastic Grain				Intraclast								
		Scoria / Pumice				Carbonate Rock Fragment								
		Scoria				Peloid								
		Pumice				Pisolite								
		Volcaniclastic Lithic Grain				Calcareous Grain								
		Picrotic Lithic Grain				Dolomitic Grain								
		Basaltic Lithic Grain				Araginitic Grain								
		Andesitic Lithic Grain				Sideritic Grain								
		Dacitic Lithic Grain												
		Rhyolitic Lithic Grain												
		Crystal Grain												
		Vitric Grain												

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: 0002 Hole: K Core: 4T Sect.: 1

Interval: 34

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt
✓								25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain
25	Quartz	Feldspars	20	Calcareous Grain	Nannofossils	5		
	Micas	Ferromagnesian Minerals		Foraminifers				
50	Glaucinite	Clay Minerals	F	Siliceous Grain	Diatom			
	Zeolites	Heavy Minerals	F	Radiolarians	Silicoflagellates			
	Pyrite	Phospholite		Sponge Spicule		F	red-brown	
	Aragonite	Calcite		Neritic Grain				
	Oolites	Lithic Grain		Ooid	Spherical Particles			
	Sedimentary Lithic Grain	Igneous Lithic Grain		Elliptical Particles				
	Metamorphic Lithic Grain	Bioclast		Molluscan				
		Pellet		Algal				
		Molluscs		Carbonate Rock Fragment				
		Echinoderms		Peloid				
		Others		Pisolite				
	Volcaniclastic Grain	Scoria / Pumice		Calcareous Grain				
		Scoria		Dolomitic Grain				
		Pumice		Araginitic Graining				
	Volcaniclastic Lithic Grain			Sideritic Graining				
	Picritic Lithic Grain							
	Basaltic Lithic Grain							
	Andesitic Lithic Grain							
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C002 Hole: K

Core: 4T Sect.: 4

Interval: 82

Sediment Name: Sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				100		

Select one and check.

Select one and check.

Select one and check.

Percent	Siliclastic Grain	Composition	Percent	Pelagic Grain	Composition	Percent	Others	Composition
	Quartz			Calcareous Grain				Calcareous Grain
	Feldspars			Nannofossils				Sapropelic Grain
	Micas			Foraminifers				Mn Nodules/ Crusts
	Ferromagnesian Minerals			Siliceous Grain				Pyrite Grain
	Glauconite			Diatom				Opaque Grain
	Clay Minerals			Radiolarians				
	Zeolites			Silicoflagellates				
	Heavy Minerals			Sponge Spicule				
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
5	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
35	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Pioritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Grain				
	Andesitic Lithic Grain			Sideritic Grain				
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338 Observer: KCM

Site: C0002 Hole: K Core: 5T Sect.: 1 Interval: 50

Sediment Name: fine sd.

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				100		

Select one and check.

Select one and check.

Select one and check.

Percent	Siliclastic Grain	Composition	Percent	Pelagic Grain	Composition	Percent	Others	Composition
60	Minerals			Calcareous Grain				Gypsiferous Grain
	Quartz			Nannofossils				Calcareous Grain
	Feldspars			Foraminifers				Sapropelic Grain
	Micas			Siliceous Grain				Mn Nodules/ Crusts
	Ferromagnesian Minerals			Diatom				Pyrite Grain
	Glauconite			Radiolarians				Opaque Grain
	Clay Minerals			Silicoflagellates				
	Zeolites			Sponge Spicule				
	Heavy Minerals							
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Picritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Graing				
	Andesitic Lithic Grain			Sideritic Graing				
	Dacitic Lithic Grain							
	Rholitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-21-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 5T Sect.: 3

Interval: 35

Sediment Name: fine ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Granular Sediment		Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic	Neritic
	✓		

Percent Texture		
Sand	Silt	Clay
20	70	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
	Clay Minerals
	Zeolites
2	Heavy Minerals
	Pyrite
	Phospholite
	Aragonite
	Calcite
	Oolites
	Lithic Grain
	Sedimentary Lithic Grain
	Igneous Lithic Grain
	Metamorphic Lithic Grain
	Volcaniclastic Grain
	Scoria / Pumice
	Scoria
	Pumice
5	Volcaniclastic Lithic Grain
	Picroitic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
88	Vitric Grain

Percent	Composition
	Pelagic Grain
	Calcareous Grain
	Nannofossils
	Foraminifers
	Siliceous Grain
	Diatom
	Radiolarians
	Silicoflagellates
	Sponge Spicule
	Neritic Grain
	Ooid
	Spherical Particles
	Elliptical Particles
	Bioclast
	Molluscan
	Algal
	Pellet
	Molluscs
	Echinoderms
	Others
	Intraclast
	Carbonate Rock Fragment
	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 12-21-12

Expedition: 338

Observer: KCM

Site: C0002 Hole: 1K Core: 5T Sect.: 3

Interval: 40

Sediment Name: COCO-002E

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment		Chemical Sediment		Percent Texture		
Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
		✓			25	75

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
19	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
15	Glauconite
	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
	Picroitic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

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

Percent	Composition
	Others
	Gypsiferous Grain
5	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 12-21-12

Expedition: 338 Observer: KCM

Site: COOR K Hole: 5T Core: 3 Sect.: 3 Interval: 86

Sediment Name: SILTY CLAYSTONE

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt
✓						✓		30	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Volcaniclastic Grain Scoria / Pumice Scoria Pumice Volcaniclastic Lithic Grain Pieritic Lithic Grain Basaltic Lithic Grain Andesitic Lithic Grain Dacitic Lithic Grain Rhyolitic Lithic Grain Crystal Grain Vitric Grain		Neritic Grain Ooid Spherical Particles Elliptical Particles Bioclast Molluscan Algal Pellet Molluscs Echinoderms Others Intraclast Carbonate Rock Fragment Peloid Pisolite Calcareous Grain Dolomitic Grain Araginitic Graing Sideritic Graing				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/22/12

Expedition: 338 Observer: KUM

Site: C002 Hole: K Core: 6T Sect.: 3 Interval: 21

Sediment Name: Sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				100		

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
25	Quartz		Nannofossils		Calcareous Grain
25	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glauconite		Radiolarians	30	Opaque Grain
	Clay Minerals		Silicoflagellates		
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
5	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
30	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Pieritic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Graing		
	Andesitic Lithic Grain		Sideritic Graing		
	Dacitic Lithic Grain				
	Rhyolitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KLM

Site: C002 Hole: K Core: 6T Sect.: 4 Interval: 45

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt
✓				✓				30	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
34	Quartz	20	Nannofossils	1	Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
1	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glaucinite		Radiolarians		Opaque Grain
45	Clay Minerals		Silicoflagellates		
	Zeolites	1	Sponge Spicule		
	Heavy Minerals				
	Pyrite		Neritic Grain		
	Phospholite		Ooid		
	Aragonite		Spherical Particles		
	Calcite		Elliptical Particles		
	Oolites		Bioclast		
	Lithic Grain		Molluscan		
	Sedimentary Lithic Grain		Algal		
	Igneous Lithic Grain		Pellet		
	Metamorphic Lithic Grain		Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Picrotic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Grain		
	Andesitic Lithic Grain		Sideritic Grain		
	Dacitic Lithic Grain				
	Rhyolitic Lithic Grain				
	Crystal Grain				
1	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 6T Sect.: H

Interval: 109

Sediment Name: silty sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Siliciclastic	Peragic	Neritic	Sand	Silt
✓				✓					70	30

Select one and check.

Select one and check.

Select one and check.

Percent	Composition			Percent	Composition			Percent	Composition		
	Siliciclastic Grain	Minerals	Others		Pelagic Grain	Calcareous Grain	Others		Others	Gypsiferous Grain	Calcareous Grain
100		Quartz			Calcareous Grain						
		Feldspars			Nannofossils						
		Micas			Foraminifers						
		Ferromagnesian Minerals			Siliceous Grain						
		Glauconite			Diatom						
		Clay Minerals			Radiolarians						
		Zeolites			Silicoflagellates						
		Heavy Minerals			Sponge Spicule						
		Pyrite									
		Phospholite									
		Aragonite			Neritic Grain						
		Calcite			Ooid						
		Oolites			Spherical Particles						
5		Lithic Grain			Elliptical Particles						
		Sedimentary Lithic Grain			Bioclast						
30		Igneous Lithic Grain			Molluscan						
		Metamorphic Lithic Grain			Algal						
					Pellet						
					Molluscs						
					Echinoderms						
					Others						
		Volcaniclastic Grain			Intraclast						
		Scoria / Pumice			Carbonate Rock Fragment						
		Scoria			Peloid						
		Pumice			Pisolite						
		Volcaniclastic Lithic Grain			Calcareous Grain						
		Pieritic Lithic Grain			Dolomitic Grain						
		Basaltic Lithic Grain			Araginitic Graing						
		Andesitic Lithic Grain			Sideritic Graing						
		Dacitic Lithic Grain									
		Rhyolitic Lithic Grain									
		Crystal Grain									
1		Vitric Grain									

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KUM

Site: C0002 Hole: K Core: 7X Sect.: 1 Interval: 21

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Siliciclastic	Peragic	Sand	Silt
✓				✓				30	70

Select one and check.

Select one and check.		Select one and check.		Select one and check.	
Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
32	Minerals	30	Calcareous Grain	2	Gypsiferous Grain
	Quartz		Nannofossils		Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glauconite		Radiolarians		Opaque Grain
35	Clay Minerals	1	Silicoflagellates	F	<u>red-brown stains</u>
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Pierite Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Graing		
	Andesitic Lithic Grain		Sideritic Graing		
	Dactite Lithic Grain				
	Rholitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: KLM

Site: 0002 Hole: 1C

Core: 7X

Sect.: 2

Interval: 16

Sediment Name: clayey siltstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				10	50	40

Select one and check.

Select one and check.

Select one and check.

Percent	Composition			Percent	Composition			Percent	Composition		
	Siliciclastic Grain	Minerals	Other		Pelagic Grain	Calcareous Grain	Other		Others	Gypsiferous Grain	Calcareous Grain
	Minerals				Calcareous Grain				Gypsiferous Grain		
25	Quartz			10	Nannofossils				Calcareous Grain		
	Feldspars				Foraminifers				Sapropelic Grain		
	Micas				Siliceous Grain				Mn Nodules/ Crusts		
	Ferromagnesian Minerals				Diatom				Pyrite Grain		
	Glauconite				Radiolarians				Opaque Grain		
	Clay Minerals				Silicoflagellates						
	Zeolites				Sponge Spicule						
	Heavy Minerals										
	Pyrite										
	Phospholite										
	Aragonite				Neritic Grain						
	Calcite				Ooid						
	Oolites				Spherical Particles						
	Lithic Grain				Elliptical Particles						
	Sedimentary Lithic Grain				Bioclast						
	Igneous Lithic Grain				Molluscan						
10	Metamorphic Lithic Grain				Algal						
					Pellet						
	Volcaniclastic Grain				Molluscs						
	Scoria / Pumice				Echinoderms						
	Scoria				Others						
	Pumice				Intraclast						
	Volcaniclastic Lithic Grain				Carbonate Rock Fragment						
	Picritic Lithic Grain				Peloid						
	Basaltic Lithic Grain				Pisolite						
	Andesitic Lithic Grain				Calcareous Grain						
	Dacitic Lithic Grain				Dolomitic Grain						
	Rhyolitic Lithic Grain				Araginitic Graing						
	Crystal Grain				Sideritic Graing						
	Vitric Grain										

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KLM

Site: C0002 Hole: K Core: 7x Sect.: 3 Interval: 35

Sediment Name: sily sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				70	30	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain
60	Quartz	Feldspars		Calcareous Grain	Nannofossils			
	Micas	Ferromagnesian Minerals			Foraminifers			
	Glauconite	Clay Minerals		Siliceous Grain	Diatom			
	Zeolites	Heavy Minerals		Radiolarians	Silicoflagellates	10		
	Pyrite	Phospholite		Sponge Spicule				
	Aragonite	Calcite						
	Oolites							
	Lithic Grain			Neritic Grain				
	Sedimentary Lithic Grain			Ooid				
	Igneous Lithic Grain			Spherical Particles				
30	Metamorphic Lithic Grain			Elliptical Particles				
				Bioclast				
				Molluscan				
				Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Pieritic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Grain				
	Andesitic Lithic Grain			Sideritic Grain				
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KLM

Site: C002 Hole: K Core: 7X Sect.: 4 Interval: 40

Sediment Name: fine ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓					✓			15	85	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliciclastic Minerals	Others		Pelagic Grain	Others		Others	Others
16	Quartz			Calcareous Grain			Gypsiferous Grain	
	Feldspars			Nannofossils			Calcareous Grain	
	Micas			Foraminifers			Sapropelic Grain	
	Ferromagnesian Minerals			Siliceous Grain			Mn Nodules/ Crusts	
	Glauconite			Diatom			Pyrite Grain	
	Clay Minerals			Radiolarians			Opaque Grain	
	Zeolites			Silicoflagellates				
	Heavy Minerals			Sponge Spicules				
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
10	Volcaniclastic Grain			Others				
	Scoria / Pumice			Intraclast				
	Scoria			Carbonate Rock Fragment				
	Pumice			Peloid				
	Volcaniclastic Lithic Grain			Pisolite				
	Pieritic Lithic Grain			Calcareous Grain				
	Basaltic Lithic Grain			Dolomitic Grain				
	Andesitic Lithic Grain			Araginitic Grain				
	Dacitic Lithic Grain			Sideritic Grain				
	Rhyolitic Lithic Grain							
779	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/22/12

Expedition: 338 Observer: KUM

Site: C0002 Hole: K Core: 8x Sect.: 3 Interval: 117

Sediment Name: sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				90	10	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain				Others
	Minerals		Calcareous Grain			5	Gypsiferous Grain
55	Quartz		Nannofossils				Calcareous Grain
	Feldspars	5	Foraminifers				Sapropelic Grain
F	Micas		Siliceous Grain			5	Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom				Pyrite Grain
	Glauconite		Radiolarians				Opaque Grain
	Clay Minerals		Silicoflagellates				
K	Zeolites		Sponge Spicule				
	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite		Neritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
30	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Fragment				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Pioritic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Grain				
	Andesitic Lithic Grain		Sideritic Grain				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KUM

Site: C0002 Hole: K Core: 8X Sect.: 4 Interval: 80

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				5	30	65

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition					
	Siliclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain	Calcareous Grain	Sapropelic Grain	Mn Nodules/ Crusts	Pyrite Grain
82	Quartz	Feldspars	15	Calcareous Grain	Nannofossils	1						
	Micas	Ferromagnesian Minerals	1	Siliceous Grain	Foraminifers							
45	Glauconite	Clay Minerals		Diatom	Radolarians							
	Zeolites	Heavy Minerals		Silicoflagellates	Sponge Spicules							
	Pyrite	Phospholite										
	Aragonite	Calcite		Neritic Grain	Ooid							
	Oolites	Lithic Grain			Spherical Particles							
	Sedimentary Lithic Grain	Igneous Lithic Grain			Elliptical Particles							
	Metamorphic Lithic Grain	Bioclast			Molluscan							
	Volcaniclastic Grain	Scoria / Pumice			Algal							
	Scoria	Pumice			Pellet							
	Pumice	Volcaniclastic Lithic Grain			Molluscs							
	Pieritic Lithic Grain	Basaltic Lithic Grain			Echinoderms							
	Basaltic Lithic Grain	Andesitic Lithic Grain			Others							
	Andesitic Lithic Grain	Dacitic Lithic Grain			Intraclast							
	Dacitic Lithic Grain	Rholitic Lithic Grain			Carbonate Rock Fragment							
	Rholitic Lithic Grain	Crystal Grain			Peloid							
5	Vitric Grain				Pisolite							
					Calcareous Grain							
					Dolomitic Grain							
					Araginitic Grain							
					Sideritic Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KUM

Site: C002 Hole: K Core: 9X Sect.: 1 Interval: 20

Sediment Name: sdy silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓				✓				10	40	50

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
50	Quartz	10	Nannofossils	3	Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals	1	Diatom	1	Pyrite Grain
	Glauconite		Radiolarians		Opaque Grain
35	Clay Minerals	✓	Silicoflagellates	1	<u>red-brown OM</u>
	Zeolites		Sponge Spicules		
	Heavy Minerals				
	Pyrite		Neritic Grain		
	Phospholite		Ooid		
	Aragonite		Spherical Particles		
	Calcite		Elliptical Particles		
	Oolites		Bioclast		
	Lithic Grain		Molluscan		
	Sedimentary Lithic Grain		Algal		
	Igneous Lithic Grain		Pellet		
	Metamorphic Lithic Grain		Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peboid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Pteritic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Grain		
	Andesitic Lithic Grain		Sideritic Grain		
	Dacitic Lithic Grain				
	Rhyolitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KLM

Site: C0002 Hole: K Core: 9x Sect.: 2 Interval: 40

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment			Percent Texture		
				Siliciclastic	Volcaniclastic	Chemical Sediment	Sand	Silt	Clay
✓				✓				25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
50	Quartz	15	Nannofossils	1	Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals	1	Diatom		Pyrite Grain
	Glauconite		Radiolarians		Opaque Grain
55	Clay Minerals	F	Silicoflagellates	F	
	Zeolites		Sponge Spicule		red brown OM
	Heavy Minerals				
	Pyrite		Neritic Grain		
	Phospholite		Ooid		
	Aragonite		Spherical Particles		
	Calcite		Elliptical Particles		
	Oolites		Bioclast		
	Lithic Grain		Molluscan		
	Sedimentary Lithic Grain		Algal		
	Igneous Lithic Grain		Pellet		
	Metamorphic Lithic Grain		Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Picroitic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Grain		
	Andesitic Lithic Grain		Sideritic Grain		
	Dacitic Lithic Grain				
	Rhyolitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: Kcm

Site: C0002 Hole: K Core: 9X Sect.: 2

Interval: 80

Sediment Name: silty chertone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt
✓				✓				30	70

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliclastic Grain	Minerals		Pelagic Grain	Calcareous Grain		Others	Gypsiferous Grain
29	Quartz		10	Nannofossils				
	Feldspars			Foraminifers				
	Micas			Siliceous Grain				
	Ferromagnesian Minerals			Diatom		1		
55	Glauconite			Radiolarians				
	Clay Minerals			Silicoflagellates		F		
	Zeolites			Sponge Spicules				
	Heavy Minerals							
	Pyrite							
	Phospholite							
	Aragonite			Neritic Grain				
	Calcite			Ooid				
	Oolites			Spherical Particles				
	Lithic Grain			Elliptical Particles				
	Sedimentary Lithic Grain			Bioclast				
	Igneous Lithic Grain			Molluscan				
	Metamorphic Lithic Grain			Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
	Volcaniclastic Grain			Intraclast				
	Scoria / Pumice			Carbonate Rock Fragment				
	Scoria			Peloid				
	Pumice			Pisolite				
	Volcaniclastic Lithic Grain			Calcareous Grain				
	Picroitic Lithic Grain			Dolomitic Grain				
	Basaltic Lithic Grain			Araginitic Grain				
	Andesitic Lithic Grain			Sideritic Grain				
	Dacitic Lithic Grain							
	Rhyolitic Lithic Grain							
5	Crystal Grain							
	Vitric Grain							

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Observer: KCM

Site: C0002 Hole: K Core: 9X Sect.: 4 Interval: 45

Sediment Name: fine sd

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓				✓				95	5	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain				Others
	Minerals		Calcareous Grain				Gypsiferous Grain
	Quartz		Nannofossils				Calcareous Grain
	Feldspars		Foraminifers				Sapropelic Grain
	Micas		Siliceous Grain				Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom			F	Pyrite Grain
	Glauconite		Radiolarians				Opaque Grain
	Clay Minerals		Silicoflagellates				
	Zeolites		Sponge Spicule				
	Heavy Minerals						
	Pyrite						
	Phospholite						
	Aragonite		Neritic Grain				
	Calcite		Ooid				
	Oolites		Spherical Particles				
	Lithic Grain		Elliptical Particles				
	Sedimentary Lithic Grain		Bioclast				
	Igneous Lithic Grain		Molluscan				
	Metamorphic Lithic Grain		Algal				
			Pellet				
			Molluscs				
			Echinoderms				
			Others				
	Volcaniclastic Grain		Intraclast				
	Scoria / Pumice		Carbonate Rock Fragment				
	Scoria		Peloid				
	Pumice		Pisolite				
	Volcaniclastic Lithic Grain		Calcareous Grain				
	Picroitic Lithic Grain		Dolomitic Grain				
	Basaltic Lithic Grain		Araginitic Grain				
	Andesitic Lithic Grain		Sideritic Grain				
	Dacitic Lithic Grain						
	Rhyolitic Lithic Grain						
	Crystal Grain						
	Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: bx Sect.: 1

Interval: 37

Sediment Name: silty sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
✓				✓				75	20	5

Select one and check.

Select one and check.

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliclastic Grain	Minerals		Pelagic Grain	Others		Others	Composition
65		Quartz		Calcareous Grain				Gypsiferous Grain
		Feldspars		Nannofossils				Calcareous Grain
		Micas		Foraminifers				Sapropelic Grain
		Ferromagnesian Minerals		Siliceous Grain		5		Mn Nodules/ Crusts
		Glauconite		Diatom		5		Pyrite Grain
		Clay Minerals		Radiolarians				Opaque Grain
		Zeolites		Silicoflagellates				
		Heavy Minerals		Sponge Spicule				
		Pyrite						
		Phospholite						
		Aragonite		Neritic Grain				
		Calcite		Ooid				
		Oolites		Spherical Particles				
		Lithic Grain		Elliptical Particles				
		Sedimentary Lithic Grain		Bioclast				
		Igneous Lithic Grain		Molluscan				
30		Metamorphic Lithic Grain		Algal				
				Pellet				
				Molluscs				
				Echinoderms				
				Others				
		Volcaniclastic Grain		Intraclast				
		Scoria / Pumice		Carbonate Rock Fragment				
		Scoria		Peloid				
		Pumice		Pisolite				
		Volcaniclastic Lithic Grain		Calcareous Grain				
		Picroitic Lithic Grain		Dolomitic Grain				
		Basaltic Lithic Grain		Araginitic Graining				
		Andesitic Lithic Grain		Sideritic Graining				
		Dacitic Lithic Grain						
		Rhyolitic Lithic Grain						
		Crystal Grain						
		Vitric Grain						

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: KLM

Site: C0002 Hole: K Core: 10x Sect.: 3

Interval: 30

Sediment Name: Silty claystone

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture	
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt
✓				✓				25	75

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition		Percent	Composition
			Pelagic Grain	Calcareous Grain		
	Siliclastic Grain					
	Minerals					
27	Quartz	10	Calcareous Grain	Nannofossils		Gypsiferous Grain
	Feldspars			Foraminifers		Calcareous Grain
	Micas		Siliceous Grain	Diatom		Sapropelic Grain
	Ferromagnesian Minerals	1		Radiolarians		Mn Nodules/ Crusts
	Glauconite			Silicoflagellates		Pyrite Grain
60	Clay Minerals			Sponge Spicules		Opaque Grain
	Zeolites					
	Heavy Minerals					
	Pyrite					
	Phospholite					
	Aragonite		Neritic Grain			
	Calcite		Ooid			
	Oolites		Spherical Particles			
	Lithic Grain		Elliptical Particles			
	Sedimentary Lithic Grain		Bioclast			
	Igneous Lithic Grain		Molluscan			
	Metamorphic Lithic Grain		Algal			
			Pellet			
			Molluscs			
			Echinoderms			
			Others			
	Volcaniclastic Grain		Intraclast			
	Scoria / Pumice		Carbonate Rock Fragment			
	Scoria		Peloid			
	Pumice		Pisolite			
	Volcaniclastic Lithic Grain		Calcareous Grain			
	Pieritic Lithic Grain		Dolomitic Grain			
	Basaltic Lithic Grain		Araginitic Grain			
	Andesitic Lithic Grain		Sideritic Grain			
	Dacitic Lithic Grain					
	Rhyolitic Lithic Grain					
	Crystal Grain					
	Vitric Grain					

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12/22/12

Expedition: 338 Observer: KLM

Site: C002 Hole: K Core: bx Sect.: cc Interval: 16

Sediment Name: fine ash

Smear Slide	Thin Section	Coarse Feaction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Volcaniclastic	Peragic	Sand	Silt	Clay
<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>			40	60	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
	Quartz		Nannofossils		Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glauconite		Radiolarians		Opaque Grain
	Clay Minerals		Silicoflagellates		
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Picrotic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Grain		
	Andesitic Lithic Grain		Sideritic Grain		
	Dacitic Lithic Grain				
	Rholitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks: beautiful clear glass

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338

Observer: KLM

Site: 0002

Hole: K

Core: 11X

Interval: 47

Sediment Name: silty claystone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment	Chemical Sediment		Percent Texture				
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
									25	75	

Select one and check.

Select one and check.

Select one and check.

Percent	Composition
	Siliclastic Grain
	Minerals
30	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glauconite
60	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
	Pieritic Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rhyolitic Lithic Grain
	Crystal Grain
	Vitric Grain

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

Percent	Composition
	Others
	Gypsiferous Grain
	Calcareous Grain
F	Sapropelic Grain
	Mn Nodules/ Crusts
F	Pyrite Grain
	Opaque Grain
F	red-br. OM

Fill percentage (Total must be 100).

Remarks:

Sediment Smear Slide / Thin Section Description Sheet

Date 12-22-12

Expedition: 338 Site: C0002 Hole: K Core: 11x Section: 4 Observer: KLM

Interval: 80

Sediment Name: sand

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment		Chemical Sediment		Percent Texture		
				Siliciclastic	Volcaniclastic	Peragic	Neritic	Sand	Silt	Clay
✓				✓				100		

Select one and check.

Select one and check.

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain		Others
	Minerals		Calcareous Grain		Gypsiferous Grain
	Quartz		Nannofossils		Calcareous Grain
60	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom	5	Pyrite Grain
	Glaucanite		Radiolarians		Opaque Grain
	Clay Minerals		Silicoflagellates		
	Zeolites		Sponge Spicule		
	Heavy Minerals				
	Pyrite				
	Phospholite				
	Aragonite		Neritic Grain		
	Calcite		Ooid		
	Oolites		Spherical Particles		
	Lithic Grain		Elliptical Particles		
5	Sedimentary Lithic Grain		Bioclast		
	Igneous Lithic Grain		Molluscan		
30	Metamorphic Lithic Grain		Algal		
			Pellet		
			Molluscs		
			Echinoderms		
			Others		
	Volcaniclastic Grain		Intraclast		
	Scoria / Pumice		Carbonate Rock Fragment		
	Scoria		Peloid		
	Pumice		Pisolite		
	Volcaniclastic Lithic Grain		Calcareous Grain		
	Pieritic Lithic Grain		Dolomitic Grain		
	Basaltic Lithic Grain		Araginitic Grain		
	Andesitic Lithic Grain		Sideritic Grain		
	Dacitic Lithic Grain				
	Rhyolitic Lithic Grain				
	Crystal Grain				
	Vitric Grain				

Fill percentage (Total must be 100).

Remarks: