

Sediment Smear Slide / Thin Section Description Sheet

Date _____

Expedition: 331

Observer: _____

Site: 4 Hole: C Core: 1 - Sect.: P Interval: 69.

Sediment Name: _____

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓	✓	✓	✓

Select one and check.

Percent	Composition	Granular Sediment			Chemical Sediment			Percent Texture Sand	Silt	Clay
		Siliciclastic	Volcaniclastic	Peragic	Neritic					

Select one and check.

Percent	Composition	Percent	Composition
	Siliciclastic Grain		Pelagic Grain
	Minerals		Calcareous Grain
	Quartz		Gypsiferous Grain
	Feldspars		Calcareous Grain
	Micas		Sapropelic Grain
	Ferromagnesian Minerals		Mn Nodules/ Crusts
	Glauconite		Diatom
	Clay Minerals		Radiolarians
	Zeolites		Silicoflagellates
	Heavy Minerals		Sponge Spicule
	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		
	Piorito Lithic Grain		
	Basaltic Lithic Grain		
	Andesitic Lithic Grain		
	Dacitic Lithic Grain		
	Rholitic Lithic Grain		
	Crystal Grain		
	Vitric Grain		

Select one and check.



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Fill percentage (Total must be 100).

Remarks: 5

Sediment Smear Slide / Thin Section Description Sheet

331

Expedition:

Hole: C Care: site:

Interval: 21

Sediment Name:

Smear Slide	Thin Section	Coarse Fracture	Grain Mount

Select one and check.

Granular Sediment	Chemical Sediment		
Siliciclastic	Volcaniclastic	Peragic	Neritic

Select one and check.

	Sand	Silt	Percent Texture
Clay			

Select one and check.

Percent	Composition
	Siliciclastic Grain
	Minerals
	Quartz
	Feldspars
	Micas
	Ferrromagnesian Minerals
	Glaucanite
	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
	Piorito Lithic Grain
	Basaltic Lithic Grain
	Andesitic Lithic Grain
	Dacitic Lithic Grain
	Rholitic Lithic Grain
	Crystal Grain
	Vitrific Grain

Fill percentage (Total must be 100).

Remarks:

1

Date

Sediment Smear Slide / Thin Section Description Sheet

Date _____

Expedition: 331.

Observer: _____

Site: A. Hole: C. Core: 1 Sect.: A Interval: 2

Sediment Name: _____

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Smear	Granular Sediment	Chemical Sediment
Thin Section	Siliciclastic	Volcaniclastic
Coarse Fraction	Peragic	Neritic
✓		

Select one and check.

Smear	Percent	Composition	Percent	Composition
Thin Section	Percent	Pelagic Grain	Percent	Composition
Coarse Fraction	Percent	Calcareous Grain	Others	Others
✓				

Select one and check.

Smear	Percent	Composition	Percent	Composition
Thin Section	Percent	Pelagic Grain	Others	Others
Coarse Fraction	Percent	Calcareous Grain	Gypsiferous Grain	Gypsiferous Grain
✓				
Minerals				Calcareous Grain
Quartz				Nanofossils
Feldspars				Foraminifers
Micas				Siliceous Grain
Ferromagnesian Minerals				Mn Nodules/ Crusts
Glaucomite				Pyrite Grain
Clay Minerals				Opaque Grain
Zeolites				Pyrite Grain
Heavy Minerals				Opaque Grain
Pyrite				Siliceous Grain
Phospholite				Siliceous Grain
Aragonite				Siliceous Grain
Calcite				Siliceous Grain
Oolites				Siliceous Grain
Lithic Grain				Siliceous Grain
Sedimentary Lithic Grain				Siliceous Grain
Igneous Lithic Grain				Siliceous Grain
Metamorphic Lithic Grain				Siliceous Grain
Scoria				Siliceous Grain
Volcaniclastic Grain				Siliceous Grain
Scoria / Pumice				Siliceous Grain
Pumice				Siliceous Grain
Volcaniclastic Lithic Grain				Siliceous Grain
Pictritic Lithic Grain				Siliceous Grain
Basaltic Lithic Grain				Siliceous Grain
Andesitic Lithic Grain				Siliceous Grain
Dacitic Lithic Grain				Siliceous Grain
Rholitic Lithic Grain				Siliceous Grain
Crystal Grain				Siliceous Grain
Vitrific Grain				Siliceous Grain

Fill percentage (Total must be 100).

Remarks: _____

Sediment Smear Slide / Thin Section Description Sheet

Date 12/9/2016

Expedition: 331

Site: 0013 Hole: D Core: 2 Sect: 6 Interval: 107

וְעַתָּה תִּשְׁמַח אֶת-בְּנֵי-יִשְׂרָאֵל וְעַתָּה תִּשְׁמַח אֶת-בְּנֵי-יִשְׂרָאֵל.

Select one and check.

Percent	Composition		Composition		Percent	Composition	
	Siliciclastic Grain	Percent	Pelagic Grain	Percent		Gypsiferous Grain	Others
Minerals	Calcareous Grain					Calcareous Grain	
Quartz	NanoFossils					Sapropelic Grain	
Feldspars	Foraminifers					Mn Nodules/ Crusts	
Micas	Siliceous Grain					Pyrite Grain	
Ferromagnesian Minerals	Diatom					Opaque Grain	
Glauconite	Radiolarians						
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	Araignitic Graining						
Andesitic Lithic Grain	Sideritic Graining						
Dacitic Lithic Grain							
Rholitic Lithic Grain							
Crystal Grain							
Vitric Grain							

Fiii percentage (total must be 100%).

Remarks: White clay weathering, with substantial amounts of orange, pale yellow sphalerite most likely indicating Fe content in sphalerite is low. No visible pyrite seen throughout. One pyrite globe seen.

Sediment Smear Slide / Thin Section Description Sheet

Date 12/9/10

Expedition: 331

Observer:

Site: 00136 Hole: 2 Sect.: 6 Interval: 78 cm

Core:

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

	Granular Sediment	Chemical Sediment	
	Siliciclastic	Volcaniclastic	Peragic

Select one and check.

	Sand	Slit	Percent Texture	Clay
Neritic				

Select one and check.

Fill percentage (Total must be 100).

Remarks: White clay as major constituent.

Small pyrite litters entire mass, with some larger pyrite grain; no real sphalerite present or visible.

Sediment Smear Slide / Thin Section Description Sheet

Date _____

Expedition: 33

Observer: _____

Site: 4 + NP Hole: D Core: 2 Sect: 5 Interval: _____

Sediment Name: _____

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			✓

Select one and check.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Percent	Composition	Percent Texture		
		Sand	Silt	Clay
	Siliciclastic			
	Volcaniclastic			
	Peragic			
	Neritic			
	Mn Nodules/ Crusts			
	Pyrite Grain			
	Opaque Grain			
	Silicoflagellates			
	Sponge Spicule			
	Zoolithes			
	Heavy Minerals			
	Pyrite			
	Phospholite			
	Neritic Grain			
	Aragonite			
	Calcite			
	Ooids			
	Spherical Particles			
	Lithic Grain			
	Sedimentary Lithic Grain			
	Igneous Lithic Grain			
	Metamorphic Lithic Grain			
	Scoria			
	Pumice			
	Volcaniclastic Lithic Grain			
	Pictritic 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: P Sp SP predominant

predominant

Sediment Smear Slide / Thin Section Description Sheet

Expedition: 331-

Date _____

Site: 4 Hole: D Core: 2 Sect: 2 Interval: S

Observer: _____

Sediment Name: _____

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓	✓	✓	✓

Select one and check.

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

Select one and check.

Percent	Composition	Percent	Composition		Composition		
			Others	Gypsiferous Grain	Calcareous Grain	Sapropelic Grain	Mn Nodules/ Crusts
	Siliciclastic Grain		Pelagic Grain				
	Minerals		Calcareous Grain				
	Quartz		Nanofossils				
	Feldspars		Foraminifers				
	Micas		Siliceous Grain				
	Ferromagnesian Minerals		Diatom				
	Glaucocrite		Radiolarians				
	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				
			Intracast				
			Carbonate Rock Fragment				
			Peloid				
			Pisolite				
			Calcareous Grain				
			Dolomitic Grain				
			Aragonitic Graining				
			Sideritic Graining				
			Rholitic Lithic Grain				
			Crystal Grain				
			Vitrific Grain				

Select one and check.

Remarks: _____

Post hole → No litho Sphn

Fill percentage (Total must be 100).

Sediment Smear Slide / Thin Section Description Sheet

Date _____

Expedition: 331

Observer: _____

Site: 4 Hole: D Core: 2 Sect.: 2 Interval: 76

Sediment Name: _____

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓	✓	✓	✓

Select one and check.

Percent	Composition	Percent	Chemical Sediment		
			Siliciclastic	Volcaniclastic	Organic
✓	Granular Sediment	✓			

Select one and check.

Percent	Composition	Percent	Texture		
			Sand	Silt	Clay
✓	Peritic	✓			

Select one and check.

Percent	Composition	Percent	Composition	Percent	Composition
✓	Siliciclastic Grain	✓	Pelagic Grain	✓	Others
	Minerals		Calcareous Grain		Gypsiferous Grain
	Quartz		Nanofossils		Calcareous Grain
	Feldspars		Foraminifers		Sapropelic Grain
	Micas		Siliceous Grain		Mn Nodules/ Crusts
	Ferromagnesian Minerals		Diatom		Pyrite Grain
	Glaucocrite		Radiolarians		Opaque Grain
	Clay Minerals		Siliocflagellates		
	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		
	Scoria		Pellet		
	Volcaniclastic Grain		Molluscs		
	Scoria / Pumice		Echinoderms		
	Pumice		Others		
	Volcaniclastic Lithic Grain		Intracast		
	Pioritic Lithic Grain		Carbonate Rock Fragment		
	Basaltic Lithic Grain		Peloid		
	Andesitic Lithic Grain		Pisolite		
	Dacitic Lithic Grain		Calcareous Grain		
	Rholitic Lithic Grain		Dolomitic Grain		
	Crystal Grain		Aragonitic Graining		
	Vitric Grain		Sideritic Graining		

Fill percentage (Total must be 100).

Anatexis SP Minima Pg

Remarks: _____

Sediment Smear / Thin Section Description Sheet

Expedition: 33

Date _____

Observer: _____

Site: 41N D Hole: D Core: 2 Sect: 23 Interval: 10-15 cm

Sediment Name: Hillside ch.

Smear Slice	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Smear Slice	Thin Section	Granular Sediment			Chemical Sediment			Percent Texture		
		Siliciclastic	Volcaniclastic	Perigic	Neritic	Sand	Silt	Clay		

Select one and check.

Percent	Composition	Percent	Composition	Percent			Composition			
				Siliciclastic Grain	Minerals	Calcareous Grain	Nanofossils	Foraminifers	Siliceous Grain	Diatom
	Siliciclastic Grain		Others			Gypsiferous Grain				
	Minerals					Calcareous Grain				
	Quartz					Nanofossils				
	Feldspars					Foraminifers				
	Micas					Siliceous Grain				
	Ferromagnesian Minerals					Diatom				
	Glaucocite					Radiolarians				
	Clay Minerals					Silicoflagellates				
	Zeolites					Sponge Spicule				
	Heavy Minerals									
	Pyrite									
	Phospholite									
	Aragonite									
	Calcite									
	Oolites									
	Lithic Grain									
	Sedimentary Lithic Grain									
	Igneous Lithic Grain									
	Metamorphic Lithic Grain									
	Pumice									
	Scoria / Pumice									
	Scoria									
	Pumice									
	Volcaniclastic Grain									
	Peloid									
	Volcaniclastic Lithic Grain									
	Pisolite									
	Picitic Lithic Grain									
	Calcareous Grain									
	Basaltic Lithic Grain									
	Dolomitic Grain									
	Aragonitic Grain									
	Sideritic Grain									
	Dacitic Lithic Grain									
	Rholitic Lithic Grain									
	Crystal Grain									
	Vitric Grain									

Fill percentage (Total must be 100).

Remarks:

SP SP SP Sphalerite Mar

Photo

Sediment Smear Slide / Thin Section Description Sheet

Expedition:
Sediment

Date

1

Observer:

Site: 4 Hole: D Core: 2 Sect.: 1 Interval: 73 cm.

Sediment Name:

Hindblad Clg - Sept 89

	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	Silt	Clay
Neritic			

Select one and check.

Percent	Composition	Percent		Composition		Percent	Composition
		Pelagic Grain	Calcareous Grain	Gypsiferous Grain	Calcareous Grain		
Siliciclastic Grain Minerals							
Quartz		Nanofossils					
Feldspars		Foraminifers					
Micas		Siliceous Grain					
Ferromagnesian Minerals		Diatom					
Glauconite		Radiolarians					
Clay Minerals		Silicoflagellates					
Zeolites		Sponge Spicule					
Heavy Minerals							
Pyrite							
Phospholite							
Aragonite	Neritic Grain						
Calcite	Ooid						
Oolithes		Spherical Particles					
Lithic Grain		Elliptical Particles					
Sedimentary Lithic Grain	Bioclast						
Igneous Lithic Grain	Molluscan						
Metamorphic Lithic Grain	Algal						
Volcaniclastic Grain	Pellet	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						
Rholitic Lithic Grain	Araginitic Graining						
Crystal Grain	Sideritic Graining						
Vitrific Grain	J. P. G. - Sphene						

Fill percentage (Total must be 100).

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SP 74

Sediment Smear Slide / Thin Section Description Sheet

Sme:
22

Date

Expedition:

Site: A

D Core: 2 Sect.: 1

Core:
A

2

Sect.:

Sect.:

10

3

Observer:

Sect.:

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1

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Granular Sediment	Chemical Sediment		
Siliciclastic	Volcaniclastic	Peragic	Neritic

	Percent Sand	Texture	Clay
Silt			

Select one and check.

Select one and check.

Percent	Composition
	Siliciclastic Grain
	Minerals
	Quartz
	Feldspars
	Micas
	Ferromagnesian Minerals
	Glaucocrite
	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
	Rholitic Lithic Grain
	Crystal Grain
	Vitrile Grain

Fill percentage (Total must be 100).

Demarke

Doggy Socks

Sediment Smear Slide / Thin Section Description Sheet

Date 12/9/2010

三

Observer: J. C. Johnson

Site 12013 Hole D Core 33 T Sect: 1 Interval: 30 /

Sediment Name:

	Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

	Granular Sediment	Chemical Sediment	Neritic
Siliciclastic	Volcaniclastic	Periglac.	

Select one and check.

	Sand	Silt	Percent Texture	Clay
Neritic				

Select one and check.

Percent	Composition		Percent	Composition	
	Minerals	Siliciclastic Grain		Minerals	Siliciclastic Grain
Quartz		Pelagic Grain		Others	Gypsiferous Grain
Feldspars		Calcareous Grain		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 Spicule	
Pyrite					
Phospholite					
Aragonite					
Calcite					
Oolithes					
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					
Vitrific Grain					

Fill percentage (Total must be 100).

Remarks: Pebbles of different sizes. Most chunks of hydrothermal white clay, secondary abundance is anhydrite, pyrite and sphalerite in equal proportions, minor amounts of gypsum

Sediment Smear Slide / Thin Section Description Sheet

Date 11/9/2010

331

Expedition:

Site: 0013

Score: 14 Sect: 13

Interval: 2/2 / 15

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment	Chemical Sediment	
Siliciclastic	Volcaniclastic	Peragic
		Neritic

Select one and check.

	Percent Texture		
	Sand	Silt	Clay
Neritic			

Select one and check.

Percent	Composition		Percent	Composition		Percent	Composition	
	Siliclastic Grain Minerals	Pelagic Grain		Calcareous Grain	Gypsiferous Grain		Calcareous Grain	
Quartz				Nanofossils				
Feldspars				Foraminifers				
Micas				Siliceous Grain				
Ferromagnesian Minerals				Diatom				
Glauconite				Radiolarians				
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				
Volcaniclastic Grain				Pellet				
Scoria / Pumice				Molluscs				
Scoria				Echinoderms				
Pumice				Others				
Volcaniclastic Lithic Grain				Intraclast				
Picritic Lithic Grain				Carbonate Rock Fragment				
Basaltic Lithic Grain				Peloid				
Andesitic Lithic Grain				Pisolite				
Dacitic Lithic Grain				Calcareous Grain				
Rholitic Lithic Grain				Dolomitic Grain				
Crystal Grain				Aragonitic Graining				
Vitrific Grain				Sideritic Graining				

Fill percentage (Total must be 100).

Remarks: white anhydrite crystal aggregates with abundant almost of pyrite and sphalerite present.

Sediment Smear Slide / Thin Section Description Sheet

Date 11/9/2010

Expedition: 331

Observer: J.C. Brown

Site: 013 Hole: C Core: 11+ sect: 11 Interval: 20 cm

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Percent	Composition	Percent	Composition	Percent Texture		
				Sand	Silt	Clay
	Siliciclastic Grain		Pelagic Grain			
	Minerals		Calcareous Grain			
	Quartz		Nannofossils			
	Feldspars		Foraminifers			
	Micas		Siliceous Grain			
	Ferromagnesian Minerals		Diatom			
	Glaucocrite		Radiolarians			
10%	Clay Minerals		Silicoflagellates			
	Zeolites		Sponge Spioule			
	Heavy Minerals					
	Pyrite					
	Phospholite		Neritic Grain			
	Aragonite		Ooid			
~5%	Calcite		Spherical Particles			
	Oolites		Elliptical Particles			
	Lithic Grain		Bioclast			
	Sedimentary Lithic Grain		Molluscan			
	Igneous Lithic Grain		Algal			
	Metamorphic Lithic Grain		Pellet			
			Molluscs			
			Echinoderms			
	Volcaniclastic Grain		Others			
	Scoria / Pumice		Intraclast			
	Scoria		Carbonate Rock Fragment			
	Pumice		Peloid			
	Volcaniclastic Lithic Grain		Pisolite			
	Pioritic Lithic Grain		Calcareous Grain			
	Basaltic Lithic Grain		Dolomitic Grain			
	Andesitic Lithic Grain		Aragonitic Grains			
	Dacitic Lithic Grain		Sideritic Grains			
	Rhyolitic Lithic Grain					
	Crystal Grain					
	Vitric Grain					

Select one and check.

Percent	Composition	Percent	Composition	Percent Texture		
				Sand	Silt	Clay
	Gypsiferous Grain	15%				
	Calcareous Grain					
	Sapropelic Grain					
	Mn Nodules/ Crusts					
	Pyrite Grain					
	Opaque Grain					
	Spherulite					

Select one and check.

Fill percentage (Total must be 100).

Remarks: Mostly siliciclastic mud / clay, phosphate pebbles probably anhydrite, siderite and pyrite sulfide

Sediment Smear Slide / Thin Section Description Sheet

Date / / / 2010

Expedition: 331

Observer: Juan C. Coronado

Site: 0013 Hole: C Core: 14 Sect: 1 Interval: 6 cm

Interval: 6 cm

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
			X

Select one and check.

		Granular Sediment	Chemical Sediment	
Siliciclastic		Volcaniclastic	Peragic	Neritic

Select one and check.

	Sand	Silt	Percent Texture	Clay
Neritic				<u>64%</u>

Select one and check.

Composition		Percent	Composition	Percent	Composition
Percent	Siliciclastic Grain	Pelagic Grain	Others	Gypsiferous Grain	Calcareous Grain
	Minerals			10 %	Gypsiferous Grain
Quartz					Calcareous Grain
Feldspars					Sapropelic Grain
Micas					Mn Nodules/ Crusts
Ferromagnesian Minerals					Pyrite Grain
Glauconite					Opaque Grain
Clay Minerals					3-6 % <i>Algae grains</i>
Zeolites					
Heavy Minerals					
Pyrite					
Phospholite					
Argonite					
Calcite					
Oolites					
Lithic Grain					
Sedimentary Lithic Grain					
Igneous Lithic Grain					
Metamorphic Lithic Grain					
Volcaniclastic Grain					
Scoria / Pumice					
Scoria					
Pumice					
Volcaniclastic Lithic Grain					
Picitic Lithic Grain					
Basaltic Lithic Grain					
Andesitic Lithic Grain					
Dacitic Lithic Grain					
Rholitic Lithic Grain					
Crystal Grain					
Vitric Grain					

Fill percentage (Total must be 100).

Remarks: mostly clayish matrix, grayish ~~with~~ color, phosphates present with sulfide minerals, pyrite, sphalerite

Sediment Smear Slide / Thin Section Description Sheet

Date 11/9/2010

331

Expedition:

Site: 661

Sediment Name:

Interval: 20 cm

Interval: 20 cm

1

Percent Texture

Sand Silt Clay

1000

Select one and check.

Select one and check.

Select one and check.

Percent Texture		
Sand	Silt	Clay

Granular Sediment	Chemical Sediment		
Siliciclastic	Volcaniclastic	Peragic	Neritic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select file and click:

סמלים עירוניים גיאוגרפיה

Select one and check.

Fill percentage (total must be 100).

Remarks: