

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	1	H	1	30	30

Sediment/Rock Name	shelly sandy mud.	Observer	H/Lever.
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
10	30	40

at 25-26
CaCO₃ = 28% 3% org C

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
40	Quartz ✓
	Feldspar (undifferentiated)
2	K-feldspar (Orthoclase, Microcline...) ✓
3	Plagioclase ✓
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
10	Biotite ✓
	Muscovite
	Chlorite
15	Clay Minerals ✓
	Glaucanite
10	Ferromagnesian minerals ✓
	- green non-plectroic high birefringence 2 extinction @ 90°
	- high wt, clear
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
15	Foraminifera planktonic / test frags.
2	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
5	Sponge spicules
3	star spics
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others
	Problem with correction - check.

80
Comments:

20



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	1	4	2	45	45.

Sediment/Rock Name	Sandy mud.	Observer	H. Lewis
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
20	40	25

at 43 cm
 $CaCO_3 = 14\%$ ~2% org C.

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
55	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
5	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
5	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
705	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera planktoni
6	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
5	Sponge spicules
4	Star Spicules
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 80

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	1	H	2	88	88

Sediment/Rock Name	<i>sandy mud</i>	Observer	<i>H. Lane</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
10	40	28

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
45	Quartz
5	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
8	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
3	Foraminifera <i>planktonic frags.</i>
10	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated) <i>shell frags.</i>
2	<i>Sponge spicules</i>
2	<i>star spines</i>
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 28.

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	1	H	CC	8	8

Sediment/Rock Name	<i>Sandy mud</i>	Observer	<i>H. Lane</i>
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SMEAR	Thin Sect	Dominant	Minor
✓		✓	

Percent Texture		
Sand	Silt	Clay
10	50	20

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
<i>45</i>	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase ✓
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>10</i>	Biotite
	Muscovite
	Chlorite
<i>10</i>	Clay Minerals
	Glauconite
<i>5</i>	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>2</i>	Foraminifera
<i>15</i>	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
<i>2</i>	<i>Sponge spicules</i>
<i>1</i>	<i>Shells</i>
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: *QD*

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	2	H	1	9	9

Sediment/Rock Name	<i>Sandy mud</i>
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Observer	<i>H. Lever.</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
5	40	19

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
<i>34</i>	Quartz
<i>4</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>10</i>	Biotite
	Muscovite
	Chlorite
<i>8</i>	Clay Minerals
	Glauconite
<i>8</i>	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>7</i>	Foraminifera
<i>15</i>	Nannofossils
	Pteropods
	Ostracodes
<i>5</i>	Bioclast (undifferentiated)
<i>3</i>	<i>Sponge spicules.</i>
<i>5</i>	<i>Her Spi.</i>
	Siliceous
	Radiolarians
<i>1</i>	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: *6A*

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	2	H	1	30	

Sediment/Rock Name	<i>Silty. mud.</i>
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Observer	<i>H. Lower</i>
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SMEAR	Thin Sect
<input checked="" type="checkbox"/>	

Dominant	Minor
<input checked="" type="checkbox"/>	

Percent Texture		
Sand	Silt	Clay
<i>5</i>	<i>50</i>	<i>26</i>

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
<i>34</i>	Quartz
<i>22</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
<i>10</i>	Biotite
	Muscovite
	Chlorite
<i>10</i>	Clay Minerals
<i>1</i>	Glauconite ✓
<i>12</i>	Ferromagnesian minerals
Authigenic minerals	
	Zeolite
	Pyrite
<i>1</i>	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
<i>5</i>	Foraminifera
<i>10</i>	Nannofossils
	Pteropods
	Ostracodes
<i>1</i>	Bioclast (undifferentiated) <i>br.</i>
<i>2</i>	<i>Star spic.</i>
Siliceous	
	Radiolarians
<i>1</i>	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: *81*

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	2	H	1	50	

Sediment/Rock Name	mud
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Observer	H. Lane
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
5	40	35

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
30	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
10	Biotite
	Muscovite
	Chlorite
15	Clay Minerals
	Glauconite
15	Ferromagnesian minerals
	+ brown oolitic
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
10	Nannofossils
	Pteropods
	Ostracodes
1	Bioclast (undifferentiated)
3	Silic spic
	Siliceous
	Radiolarians
1	Diatoms
	Silicoflagellates
1	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 80

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	2	H	3	75	

Sediment/Rock Name	Mud.	Observer	
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
1	50	42

at 98cm 2% CaCO₃ trace org C

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
50	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
8	Biotite
	Muscovite
	Chlorite
15	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
Authigenic minerals	
	Zeolite
	Pyrite
3	Opaque minerals (undifferentiated)
1	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
	Foraminifera
2	Nannofossils
	Pteropods
	Ostracodes
4	Bioclast (undifferentiated)
1	Sea shells
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 93

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	2	11	6	75	

Sediment/Rock Name	mud (shelly)	Observer	H. Lewis
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
5	45	34

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
50	Quartz
4	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
6	Biotite
	Muscovite
	Chlorite
12	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
2	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
4	Nannofossils
	Pteropods
	Ostracodes
1	Bioclast (undifferentiated)
1	Sponge spicules
1	Sea spic
	Siliceous
	Radiolarians
	Diatoms
4	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 8A

11p



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	1	30	

Sediment/Rock Name	Mud	Observer	
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
1	50	34

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
50	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
5	Biotite
	Muscovite
	Chlorite
15	Clay Minerals
1	Glauconite <i>glauconitised forams tests</i>
5	Ferromagnesian minerals
	<i>green non-bleached high bi square</i>
	<i>clear high bi squareish, short end 170°</i>
	<i>2mm</i>
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
3	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated)
1	Sponge spic
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
1	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (t)
	Bivalves
	Others

Problem - LIMS
→ altered files entered twice....

Comments: 8A

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	2	50	

Sediment/Rock Name	mud.	Observer	H. Laver
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
5	75	33

at 77 ~15% CaCO₃

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
42	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase altered to calcite
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
10	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
5	Ferromagnesian minerals
Authigenic minerals	
	Zeolite
	Pyrite
4	Opaque minerals (undifferentiated)
2	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
5	Foraminifera
4	Nannofossils
	Pteropods
	Ostracodes
4	Bioclast (undifferentiated)
1	Sponge spicules
2	Star spicules
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
1	Sponge spicules
1	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	2	130	

Sediment/Rock Name	Sandy Mud	Observer	H. Laro
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
10	50	20

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
45	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
7	Biotite
	Muscovite
	Chlorite
7	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
5	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated)
7	Sponge spic.
1	Star spic.
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

80

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	3	20	

Sediment/Rock Name	shelly mud	Observer	H. Lewis
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
10	30	30

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
30	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
10	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
10	Nannofossils
	Pteropods
	Ostracodes
10	Bioclast (undifferentiated) <i>spines test frags?</i>
3	Sponge spic.
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
1	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 20

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	3	50	

Sediment/Rock Name	<i>muddy shell bed.</i>	Observer	<i>H.Lane</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
15	40	<u>45</u>

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
<u>38</u>	Quartz
<u>5</u>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
<u>10</u>	Micas
<u>5</u>	Biotite
	Muscovite
	Chlorite
<u>10</u>	Clay Minerals
	Glauconite
<u>10</u>	Ferromagnesian minerals
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
<u>2</u>	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
<u>5</u>	Foraminifera
<u>1</u>	Nannofossils
	Pteropods
	Ostracodes
<u>16</u>	Bioclast (undifferentiated)
<u>3</u>	<i>Sponge spic</i>
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
<u>2</u>	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 79

*bad slide -> big size range. 21
Shells (bivalves & gastropods) not sampled -> too big.*



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	3	100	

Sediment/Rock Name	stelly mud	Observer	H. Anderson
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
15	40	19

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
33	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
10	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
10	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated)
3	silicified
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
3	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: bad slide → 4g size range...

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	3	H	4	50.	

Sediment/Rock Name	<i>mud</i>	Observer	<i>H Lane</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
3	60	30

at 56cm ~2% CaCO3

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
55	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
5	Biotite
	Muscovite
	Chlorite
18	Clay Minerals
	Glauconite
10	Ferromagnesian minerals
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
2	Foraminifera
2	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
2	<i>Sponge spri</i>
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
1	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	4	H	1	20.	

Sediment/Rock Name	<i>mud.</i>	Observer	
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
20	50	20

none = medium sand grain

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
45	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
5	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
2	Glauconite
10	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
5	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
2	Foraminifera
3	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
1	<i>Calc spon - spon</i>
2	<i>shd spic</i>
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 90

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	4	H	2	28	

Sediment/Rock Name	clay.	Observer	
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SMEAR	Thin Sect
<input checked="" type="checkbox"/>	<input type="checkbox"/>

Dominant	Minor
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Percent Texture		
Sand	Silt	Clay
	10	90

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
25	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
5	Micas
	Biotite
	Muscovite
	Chlorite
80	Clay Minerals
	Glauconite
	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
	Foraminifera
	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	A	4	H	2	50	

Sediment/Rock Name	silt
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Observer	H. Kano
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
10	67	15

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
	Framework minerals
45	Quartz
10	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
10	Micas
5	Biotite
	Muscovite
	Chlorite
10	Clay Minerals
	Glauconite
15	Ferromagnesian minerals
	Authigenic minerals
	Zeolite
	Pyrite
2	Opaque minerals (undifferentiated)
1	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
2	Foraminifera
	Nannofossils
	Pteropods
	Ostracodes
3	Bioclast (undifferentiated)
1	calc sp spics
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
1	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	135/1	A	4	H	2	130.	

Sediment/Rock Name	Silt	Observer	W. Lee
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
15	60	14

at 1.27 8% CaCO₃ 1% TOC

Percent	Component
SILICICLASTIC GRAINS/MINERAL	
Framework minerals	
35	Quartz
8	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
5	Micas
10	Biotite
	Muscovite
	Chlorite
5	Clay Minerals
5	Glaucanite
16	Ferromagnesian minerals
	esp green high of minerals
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
3	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
5	Foraminifera
2	Nannofossils
	Pteropods
	Ostracodes
3	Bioclast (undifferentiated)
1	Sp. Sp. ic
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

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