

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	41351	B	7	H	3	110	110

Sediment/Rock Name	<i>Calcareous mud (calcareous)</i>	Observer	KMM
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

*↳ bioturb*

Percent Texture		
Sand	Silt	Clay
5	35	60

*20% at 112cm*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
5	Quartz
5	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
tr	Biotite
10	Muscovite
3	Chlorite
55	Clay Minerals ( <i>aged!</i> ) not
	Glaucinite
	Ferromagnesian minerals
2	<i>Other Dense</i>
Authigenic minerals	
	Zeolite
2	Pyrite
	Opaque minerals (undifferentiated)
tr	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
5	Foraminifera
7	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated)
1	<i>Calc. sponge spicules</i>
2	<i>Holothurid spicules</i>
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
2	Sponge spicules
2	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
tr	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	41351	B	7	H	4	75	75

Sediment/Rock Name	<i>Sandy mud (calcareous)</i>	Observer	<i>KMM</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
<i>35</i>	<i>45</i>	<i>20</i>

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
<i>10</i>	Quartz
<i>10</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
<i>2</i>	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
<i>1</i>	Biotite
<i>10</i>	Muscovite
<i>5</i>	Chlorite
<i>22</i>	Clay Minerals
	Glauconite
<i>2</i>	Ferromagnesian minerals
<i>10</i>	<i>Other dense</i>
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
<i>5</i>	Foraminifera
<i>15</i>	Nannofossils
	Pteropods
	Ostracodes
<i>5</i>	Bioclast (undifferentiated)
<i>1</i>	<i>Calcareous spic</i>
Siliceous	
<i>tr</i>	Radiolarians ?
	Diatoms
	Silicoflagellates
<i>2</i>	Sponge spicules <i>Siliceous</i>
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
<i>tr</i>	Plant debris
	Bryozoans
<i>tr</i>	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	U1351	B	8	H	3	80	80

Sediment/Rock Name	<i>muddy sand (calcareous/bioclastic)</i>	Observer	<i>KIM</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
<i>40</i>	<i>40</i>	<i>20</i>

*31% at 81 CHNS*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
<i>10</i>	Quartz
<i>10</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
<i>1</i>	Biotite
<i>2</i>	Muscovite
<i>2</i>	Chlorite
<i>20</i>	Clay Minerals
	Glaucinite
<i>3</i>	Ferromagnesian minerals
<i>2</i>	<i>Other dense</i>
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
<i>5</i>	Foraminifera
<i>20</i>	Nannofossils
	Pteropods
	Ostracodes
<i>20</i>	Bioclast (undifferentiated)
<i>1</i>	<i>Calc. sponge</i>
<i>1</i>	<i>funicular</i>
Siliceous	
	Radiolarians
	Diatoms
<i>3</i>	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

*green*

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U 1351	B	8	H	4	80	80

Sediment/Rock Name	<i>mud</i>	Observer	<i>KMM</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>55</i>	<i>40</i>

*6% or 8% Mud carb*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
<i>10</i>	Quartz
<i>15</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
<i>5</i>	Biotite
<i>5</i>	Muscovite
<i>5</i>	Chlorite
<i>40</i>	Clay Minerals
	Glauconite
<i>2</i>	Ferromagnesian minerals
<i>15</i>	<del>other</del> <i>other dense</i>
Authigenic minerals	
	Zeolite
<i>1</i>	Pyrite
<i>1</i>	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

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

Comments: *in sediments below slg. boundary*

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1351	B	8	H	4	4	4

Sediment/Rock Name	<i>mud (calcareous)</i>	Observer	<i>kmm</i>
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SMEAR	Thin Sect
<input checked="" type="checkbox"/>	

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

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

*in*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
<i>10</i>	Quartz
<i>5</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
<i>1</i>	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
	Biotite
<i>5</i>	Muscovite
<i>5</i>	Chlorite
<i>40</i>	Clay Minerals <i>Seqid</i>
	Glaucinite
<i>5</i>	Ferromagnesian minerals
<i>5</i>	<i>other dense</i>
Authigenic minerals	
	Zeolite
<i>1</i>	Pyrite
<i>1</i>	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

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

Comments:

*in sediment above? Seq. boundary  
matrix of burrowed shell hash*

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1351	B	8	H	5	133	133

Sediment/Rock Name	Mud	Observer	KMM
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
5	65	30

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifera
1	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
tr	<i>tumesc. spec.?</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:

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1351	B	9	H	1	124	124

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

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
	<i>34</i>	<i>66</i>

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
<i>10</i> <del><i>10</i></del> <i>?</i>	Quartz
<i>10</i> <i>?</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
	Biotite
<i>5</i>	Muscovite
<del><i>5</i></del>	Chlorite
<i>66</i>	Clay Minerals
	Glauconite
	Ferromagnesian minerals
<i>2</i>	<i>Other of dense</i>
Authigenic minerals	
	Zeolite
<i>2</i>	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
	Foraminifera
<i>1</i>	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	U1351	B	9	H	2	80	80

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
10	65	25

*4% at 81 cm*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
	Framework minerals
<i>15</i>	Quartz
<i>15</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
<i>tr</i>	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>tr</i>	Biotite
<i>5</i>	Muscovite
<i>5</i>	Chlorite
<i>25</i>	Clay Minerals
	Glaucanite
<i>1</i>	Ferromagnesian minerals
<i>20</i>	<i>other dense</i>
	Authigenic minerals
	Zeolite
	Pyrite
<i>1</i>	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
<i>1</i>	Foraminifera
<i>5</i>	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
<i>2</i>	<i>Calc. sponge spic</i>
<i>2</i>	<i>tumescite spic</i>
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
<i>1</i>	Sponge spicules ( <i>silic</i> )
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
<i>1</i>	Organic debris
<i>1</i>	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	41351	B	9	H	6	70	70

Sediment/Rock Name	<i>Sandy mud (calcareous)</i>	Observer	<i>KMM</i>
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SMEAR	Thin Sect
<input checked="" type="checkbox"/>	

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

Percent Texture		
Sand	Silt	Clay
<i>20</i>	<i>50</i>	<i>30</i>

*14% at 100*

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
	Framework minerals
<i>12</i>	Quartz
<i>5</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
<i>3</i>	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>2</i>	Biotite
<i>2</i>	Muscovite
<i>2</i>	Chlorite
<i>30</i>	Clay Minerals
	Glauconite
<i>tr</i>	Ferromagnesian minerals
<i>15</i>	<i>undef. dark lots of zircon</i>
	Authigenic minerals
	Zeolite
	Pyrite
<i>2</i>	Opaque minerals (undifferentiated)
<i>tr</i>	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
<i>5</i>	Foraminifera
<i>5</i>	Nannofossils
	Pteropods
	Ostracodes
<i>5</i>	Bioclast (undifferentiated) <i>frag of forams?</i>
<i>5</i>	<i>    funiculate spicules - 2 species?</i>
<i>1</i>	<i>    calc. spicule</i>
	Siliceous
	Radiolarians
	Diatoms
<i>tr</i>	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
<i>1</i>	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments:

*greenish*

SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	#11	H	I	104	

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
10	55	15

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
2	Foraminifera
5	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated)
5	<i>Calc sponge spiculae</i>
3	<i>star 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: *85*

*20*



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	11	H	2	111	

Sediment/Rock Name	<i>calcareous sandy siltstone</i>	Observer	<i>H. Hase</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
20	50	7

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
42	Quartz
2	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase <i>twinned</i>
2	Rock fragments <i>schist</i>
	Volcanic glass
Accessory/trace minerals	
4	Micas
6	Biotite
	Muscovite
1	Chlorite
5	Clay Minerals
	Glauconite
4	Ferromagnesian minerals
4	<i>Heavy</i>
Authigenic minerals	
	Zeolite
4	Pyrite <i>altered brown</i>
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
5	Foraminifera <i>Pa B.</i>
4	Nannofossils
	Pteropods
	Ostracodes
5	Bioclast (undifferentiated) <i>light bag</i>
2	<i>Sp. Spic</i>
6	<i>Star spic - at least 2 different forms</i>
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
1	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Bryozoans
	Echinoderm
	Fish remains (teeth, bones, scales)
	Bivalves
	Others

Comments: 77

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	11	H	2	137	

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
3	60	20

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

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

Comments: 27

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	6	11	H	3	157	

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
3	45	20

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
4	Foraminifera
10	Nannofossils
	Pteropods
	Ostracodes
10	Bioclast (undifferentiated)
3	<i>Sp 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: *76*

*30*



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1551	B	11	11	4	106	

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

Dominant	Minor
	✓

Percent Texture		
Sand	Silt	Clay
7	56	10

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
5	Foraminifera
8	Nannofossils
	Pteropods
	Ostracodes
6	Bioclast (undifferentiated)
8	<i>sp 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: 73

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	C	13	H	1	30	

Sediment/Rock Name	mud	Observer	
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
3	62	25

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
Framework minerals	
48	Quartz
2	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase <i>twinned Alex</i>
2	Rock fragments <i>altered</i>
	Volcanic glass
Accessory/trace minerals	
5	Micas
5	Biotite
	Muscovite
1	Chlorite
10	Clay Minerals <i>clay globules</i>
	Glaucinite
3	Ferromagnesian minerals
3	<i>heavy</i>
Authigenic minerals	
	Zeolite
8	Pyrite <i>framboidal, brown tabs</i>
2	Opaque minerals (undifferentiated)
	Fe-oxide <i>blocky</i>
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
4	Foraminifera
4	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
1	<i>star spine</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:



SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	13	H	2	90	

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
2	65	15

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
2	Foraminifera
5	Nannofossils
	Pteropods
	Ostracodes
2	Bioclast (undifferentiated)
1	<i>sp. spic</i>
1	<i>slow 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: *SS*

*15*





SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1551	B	13	H	3	108.	

Sediment/Rock Name	<i>silt</i>	Observer	<i>H. Levee</i>
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
2	86	5

*mostly mica*

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
2	Foraminifera
4	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
1	<i>Sp 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:



**SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET**

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	13	H	3	135	

Sediment/Rock Name	<i>mud.</i>	Observer	<i>W. Lane</i>
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SMEAR	Thin Sect
<input checked="" type="checkbox"/>	

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

Percent Texture		
Sand	Silt	Clay
2	63	30

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
2	Foraminifera
2	Nannofossils
	Pteropods
	Ostracodes
	Bioclast (undifferentiated)
1	<i>Sp. 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:



**SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET**

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	14	X	1	80.	

Sediment/Rock Name	mud.	Observer	
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
4	60	20

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
	Foraminifera
3.	Nannofossils
	Pteropods
	Ostracodes
1	Bioclast (undifferentiated)
2	<i>Calc. Sponge tunicate spicules</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:



**SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET**

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	16	X	1	100.	

Sediment/Rock Name	calc mud.	Observer	Levins
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
4.	50.	25

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
2	Foraminifera
7.	Nannofossils
	Pteropods
	Ostracodes
5.	Bioclast (undifferentiated)
5.	<i>Calc. Sponge tunicate spicules</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:

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SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	16	X	2	16	

Sediment/Rock Name	calc mud.
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Observer	h.e.n.
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SMEAR	Thin Sect
✓	

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
6.	50.	20.

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
Calcareous	
6	Foraminifera
5	Nannofossils
	Pteropods
	Ostracodes
6	Bioclast (undifferentiated) <i>Sandy</i>
4	<i>Calc. Sponge</i>
2	<i>truncate spicules</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: 78.

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**SEDIMENT SMEAR SLIDE & THIN SECTION WORKSHEET**

Leg	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1351	B	16	X	3	60	

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

Dominant	Minor
✓	

Percent Texture		
Sand	Silt	Clay
1	74	40

Percent	Component
<b>SILICICLASTIC GRAINS/MINERAL</b>	
	Framework minerals
40	Quartz
3	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
5	Micas
	Biotite
	Muscovite
1	Chlorite
25	Clay Minerals
2	Glaucanite
4	Ferromagnesian minerals
2	<i>other dense</i>
	Authigenic minerals
	Zeolite
3	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonate
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
2	Foraminifera
4	Nannofossils
	Pteropods
	Ostracodes
1	Bioclast (undifferentiated)
2	<i>Calc. Sponge tunicate spicules</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: