

THIN SECTION

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	B	31	X	CC	0	3

Sediment / Rock Name	Sandy limestone	Observer	Kevin
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Smear Slide	Thin Section	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
	✓		✓	Sand	Silt	Clay
				20	10	

Comments:

Bored shell frags - borings filled with glauc. ^{red soil} occasional ^{occasional} ^{is} ^{seen}
 * argillite? + greywacke + x-lamine

Prob fall-in from higher possib

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
Framework minerals	
11	Quartz
7	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase <i>twinned</i>
7	Rock fragments <i>*</i>
	Volcanic glass
Accessory/trace minerals	
Micas	
	Biotite
	Muscovite
1	Chlorite
	Clay sized fraction
5	Glauconite <i>in fills + grains</i>
2	Ferromagnesian minerals
1	Other dense minerals
Authigenic minerals	
	Zeolite
	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
28	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
Calcareous	
9	Foraminifera
	Nannofossils
	Pteropods
	Ostracods
3	Echinoderm
	Bivalves
8	Bryozoans
	Corals
	Sponge spicules
	Other spicules
15	Bioclast (undifferentiated)
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
Others	
	Dinoflagellates
	Pollen
2	Organic debris <i>? bone?</i>
	Plant debris
	Fish remains (teeth, bones, scales)
	Others



THIN SECTION

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	B	34	H	CC	0	5

Sediment / Rock Name	limestone	Observer	haver.
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Smear Slide	Thin Section	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
	✓		✓	Sand	Silt	Clay
				10	5	

Comments:

* - met^l - *st. taline multigran qtz / feld + subred grain contact*
 • metased - *dirty silt - of ind grain* *CS sand mar.*
R.v. cement

BEACH ROCK?

Some porosity mainly within bioherms remain

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
4	Quartz
3	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
4	Rock fragments ^A
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
	Chlorite
	Clay sized fraction
6	Glaucanite <i>infilling (from grains)</i>
	Ferromagnesian minerals
1	Other dense minerals
	<i>Yellow? glau or phosphate?</i>
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
38	Micrite <i>✓ fine grained...</i>
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
15	Foraminifera
	Nannofossils
	Pteropods
	Ostracods
4	Echinoderm ✓
	Bivalves
15	Bryozoans ✓
	Corals
	Sponge spicules
	Other spicules
10	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
2	Organic debris? <i>bone?</i>
	Plant debris
	Fish remains (teeth, bones, scales)
	Others

✓

THIN SECTION

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	B	88	X	1	53	55

Sediment / Rock Name	<i>sandy marlstone.</i>	Observer	<i>Levee.</i>
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Smear Slide	Thin Section
	✓

Dominant Lithology	Minor Lithology
	✓

Percent Terrigenous Texture		
Sand	Silt	Clay
10	20	20

Comments:

*Variably matrix supported - areas with lots of
 coarse cements; some areas with v. v fine matrix, not matrix.*

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
Framework minerals	
10	Quartz
5	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
4	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
	Biotite
5	Muscovite
2	Chlorite
10	Clay sized fraction
3	Glauconite
1	Ferromagnesian minerals
2	Other dense minerals
Authigenic minerals	
	Zeolite
	Pyrite
5	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
30	Micrite
	Others

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



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1353 A	1	1	H	2	127	

Sediment / Rock Name	Sandy Marl	Observer	KMM
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
20	45	35

Comments

Entered.

↳ check?

Thanks!

~~XXXXXXXXXX~~

Percent	Component
	Accessory/trace minerals
	Micas
3	Biotite
5	Muscovite
1	Chlorite
16	Clay sized fraction
	Glaucinite
4	Ferromagnesian minerals
5	Other dense minerals
	↳ epidote zircon
	Authigenic minerals
	Zeolite
1	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
5	Micrite (bioclasts?)
	Others

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

✓

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1353	A	2	H	2	40	

Sediment / Rock Name	<i>Calcareous Sandy Silty sand</i>	Observer	KMM
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Percent Terrigenous Texture		
Sand	Silt	Clay
35	40	5
45	50	
50	45	

Comments:

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
20	Quartz
20	Feldspar (undifferentiated) K-feldspar (Orthoclase, Microcline...)
	Plagioclase <i>mainly</i>
10	Rock fragments <i>argillite?</i>
	Volcanic glass
	Accessory/trace minerals
	Micas
1	Biotite
2	Muscovite
5	Chlorite <i>large</i>
5	Clay sized fraction
	Glaucinite
5	Ferromagnesian minerals
20	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

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

✓

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1353	A	3	H	2	100	

Sediment / Rock Name	<i>Calcareous Sandy Mud</i>	Observer	
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
25	50	25

Comments:

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>15.20</i>	Quartz
<i>20.30</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>1</i>	Biotite
<i>8</i>	Muscovite
<i>4</i>	Chlorite
<i>23</i>	Clay sized fraction
	Glauconite
<i>2</i>	Ferromagnesian minerals
<i>8</i>	Other dense minerals <i>epidote</i>
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>1</i>	Foraminifera
<i>6</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
<i>1</i>	Sponge spicules
	Other spicules
<i>5</i>	Bioclast (undifferentiated)
<i>.</i>	
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
<i>1</i>	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others

✓

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	41353	A	3	4	2	25	

Sediment / Rock Name	<i>Sand</i>	Observer	<i>KMM</i>
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Smear Slide	Thin Section	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
✓		✓		Sand	Silt	Clay
				<i>25</i>	<i>10</i>	<i>tr</i>

Comments:

Soupy Sand
Traceless provenance

*Well rounded (esp. lithic)
 to
 angular*

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>20</i>	Quartz
<i>40</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
<i>30</i>	Rock fragments <i>argillite</i>
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
	Chlorite
	Clay sized fraction
<i>tr</i>	Glaucanite
<i>5</i>	Ferromagnesian minerals
<i>4</i>	Other dense minerals
	<i>epidote zone</i>
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

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



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1353	A	4	H	3	50	

Sediment / Rock Name	<i>Calcareous mud</i>	Observer	<i>KMM</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	

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

Percent Terrigenous Texture		
Sand	Silt	Clay
<i>3</i>	<i>45</i>	<i>50</i>

Comments:

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>10</i>	Quartz
<i>10</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
<i>tr</i>	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
<i>15</i>	Muscovite
<i>2</i>	Chlorite
<i>47</i>	Clay sized fraction
	Glauconite
<i>1</i>	Ferromagnesian minerals
<i>2</i>	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>1</i>	Foraminifera
<i>50</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
<i>tr</i>	Sponge spicules
<i>1</i>	Other spicules
<i>3</i>	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
<i>1</i>	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
<i>1</i>	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	A	6H		3	100	

Sediment / Rock Name	<i>mud</i>	Observer	<i>lover</i>
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
10	35	50

Comments:

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
12	Quartz
8	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
3	Biotite
6	Muscovite
15	Chlorite
50	Clay sized fraction
	Glaucinite
2	Ferromagnesian minerals
3	Other dense minerals
	Authigenic minerals
	Zeolite
2	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
2	Micrite <i>pieces of sparite.</i>
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
7	Foraminifera
4	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
3-2	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	A	6	H	S	70	

Sediment / Rock Name	<i>calcareous sandy mud.</i>	Observer	<i>hewer.</i>
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
20	35	35

Comments:

mud sand more.

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
15	Quartz
12	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase <i>twinned</i>
3	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
1	Biotite
10	Muscovite
10	Chlorite
	Clay sized fraction
	Glaucconite
1	Ferromagnesian minerals
2	Other dense minerals
	Authigenic minerals
	Zeolite
1	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
5	Micrite <i>diamond-shaped x-labs.</i>
	Others <i>pieces of spicules</i>

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



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1333	A	7	H	4	80	

Sediment / Rock Name	<i>mud.</i>	Observer	<i>Lever</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	

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

Percent Terrigenous Texture		
Sand	Silt	Clay
3	40	35

Comments:

pellets?

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
10	Quartz
9	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
1	Biotite
10	Muscovite
10	Chlorite
35	Clay sized fraction
	Glaucanite
	Ferromagnesian minerals
3	Other dense minerals
	Authigenic minerals
	Zeolite
2	Pyrite <i>nodules?</i>
3	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
4	Micrite <i>pieces of spicule</i>
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
3	Foraminifera <i>pyrite filled, recrystallized shells.</i>
15	Nannofossils <i>large. thin</i>
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1353	A	8	H	3	10	

Sediment / Rock Name	<i>calcareous ^{sandy} mud.</i>	Observer	<i>Lane</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	

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

Percent Terrigenous Texture		
Sand	Silt	Clay
20	35	35

Comments:

gray mud.

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
15	Quartz
12	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
2	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
10	Muscovite
10	Chlorite
35	Clay sized fraction
	Glaucanite
2	Ferromagnesian minerals
2	Other dense minerals
	Authigenic minerals
	Zeolite
2	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
1	Carbonates <i>albaton</i>
4	Micrite <i>pieces of spicule</i>
	Others

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

✓

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1352	A	8	H	7	80	

Sediment / Rock Name	<i>calc. sandy mud.</i>	Observer	<i>haver</i>
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
	✓

Percent Terrigenous Texture		
Sand	Silt	Clay
20	25	30

Comments:

green shelly sandy.

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
15	Quartz
12	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
2	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
3	Muscovite
4	Chlorite
30	Clay sized fraction
1	Glauconite
	Ferromagnesian minerals
2	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
5	Micrite <i>pieces of detrital</i>
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
5	Foraminifera
3	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
1	Sponge spicules
7	Other spicules <i>whole + pieces</i>
10	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others



IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	1556	A	8	H	6	50.	

Sediment / Rock Name	marl.	Observer	
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
	✓

Percent Terrigenous Texture		
Sand	Silt	Clay
6	10	50

Comments:

green mud

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
3	Quartz
1	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
1	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
4	Muscovite
4	Chlorite
80	Clay sized fraction
	Glauconite
2	Ferromagnesian minerals
2	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
5	Carbonates
7	Micrite <i>diamond shaped x-laths</i>
	Others <i>- piece of spore</i>

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

