

IODP Expedition 317
 SEDIMENT SMEAR SLIDE
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
317	U1352C		94R		6	110	

Sediment / Rock Name	<i>Sandy Marlstone</i>	Observer	<i>KMM</i>
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Smear Slide	Thin Section
<i>✓</i>	

Dominant Lithology	Minor Lithology
	<i>✓</i>

Percent Terrigenous Texture		
Sand	Silt	Clay
<i>50</i>	<i>25</i>	<i>25</i>

Comments:

in slump

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>3</i>	Quartz
<i>3</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>tr</i>	Biotite
<i>30</i>	Muscovite
<i>10</i>	Chlorite
<i>20</i>	Clay sized fraction
	Glauconite
	Ferromagnesian minerals
<i>1</i>	Other dense minerals
	Authigenic minerals
	Zeolite
<i>2</i>	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
<i>1</i>	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>tr</i>	Foraminifera
<i>30</i>	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
<i>tr</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	U1352	C	95	R	2	40	

Sediment / Rock Name	<i>Marlstone</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>15</i>	<i>15</i>	<i>70</i>

Comments:

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>3</i>	Quartz
<i>3</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
<i>3</i>	Muscovite
<i>1</i>	Chlorite
<i>33</i>	Clay sized fraction
<i>40</i>	Glauconite
	Ferromagnesian minerals
<i>5</i>	Other dense minerals
	Authigenic minerals
	Zeolite
<i>2</i>	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
<i>5</i>	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>4</i>	Foraminifera
<i>40</i>	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
<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	41352	C	95	R	3	83	

Sediment / Rock Name	<i>Marlstone</i>	Observer	<i>km</i>
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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
<i>20</i>	<i>20</i>	<i>60</i>

Comments:

Agar

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
<i>8</i>	Framework minerals
<i>3</i>	Quartz
<i>3</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
<i>5</i>	Muscovite
<i>1</i>	Chlorite
<i>28</i>	Clay sized fraction
<i>tr</i>	Glauconite
	Ferromagnesian minerals
<i>3</i>	Other dense minerals
	Authigenic minerals
	Zeolite
<i>2</i>	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>15</i>	Foraminifera <i>unlapp!</i>
<i>40</i>	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
<i>tr</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	U1352	C	95	R	6	37	

Sediment / Rock Name	<i>Sandy Marlstone</i>	Observer	<i>KMM</i>
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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
<i>30</i>	<i>30</i>	<i>30</i>

Comments:

Sandy

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

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>5</i>	Foraminifera
<i>30</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
<i>10</i>	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
<i>tr</i>	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	U1352	C	99	R	1	38	

Sediment / Rock Name	<i>Marlstone</i>	Observer	<i>KMM</i>
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Smear Slide <input checked="" type="checkbox"/>	Thin Section <input type="checkbox"/>
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Dominant Lithology <input checked="" type="checkbox"/>	Minor Lithology <input type="checkbox"/>
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Percent Terrigenous Texture		
Sand	Silt	Clay
<i>15</i>		

Comments:

NA

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

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>5</i>	Foraminifera <i>unhappy</i>
<i>35</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
<i>10</i>	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	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	1352	C	101	R	CC	5	

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

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
20	20	?

Comments:

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
4	Foraminifera
10	Nannofossils <i>very altered.</i>
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
10	Bioclast (undifferentiated) <i>pellets?</i>
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	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	1352	C	102	R	CC	5	

Sediment / Rock Name	<i>micaceous sandy marlstone</i>	Observer	<i>Levee</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Percent Terrigenous Texture		
Sand	Silt	Clay
10	40	

Comments:

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
1	Foraminifera
20	Nannofossils <i>some w. unhelpful</i>
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
5	Bioclast (undifferentiated) <i>pellets?</i>
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	1332	C	103	R	1	61	

Sediment / Rock Name	<i>sandy marlstone.</i>	Observer	<i>Lover.</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Percent Terrigenous Texture		
Sand	Silt	Clay
15	30	10?

Comments:

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
3	Foraminifera
5	Nannofossils <i>v.v. unhappy.</i>
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
10	Bioclast (undifferentiated) <i>pellets?</i>
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	1352	C	103	R	5	116	

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

Dominant Lithology	Minor Lithology
	✓

Percent Terrigenous Texture		
Sand	Silt	Clay
15	25	40

Comments:

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
1	Foraminifera
5	Nannofossils <i>happy!</i>
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
5	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	1352	C	103	R	7	30	

Sediment / Rock Name	<i>sandy marlstone.</i>	Observer	<i>hener</i>
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Smear Slide	Thin Section
<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Percent Terrigenous Texture		
Sand	Silt	Clay
20	25	15

Comments:

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
1	Foraminifera
2	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
	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	41352	C	104	R	1	75	

Sediment / Rock Name	MARLSTONE	Observer	<i>Kumar</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

Comments:

*greener - laminae
 less calcareous
 than else*

NA

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

Percent	Component
BIOGENIC GRAINS	
Calcareous	
<i>5</i>	Foraminifera
<i>30</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
<i>5</i>	Bioclast (undifferentiated)
Siliceous	
	Radiolarians
	Diatoms
	Silicoflagellates
	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	U1352	C	105	R	1	66	

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

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

Percent Terrigenous Texture		
Sand	Silt	Clay
<i>20</i>	<i>25</i>	<i>50</i>

Comments:

marlstone 30
38%

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>3</i>	Quartz
<i>3</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
<i>20</i>	Muscovite
<i>2</i>	Chlorite
<i>20</i>	Clay sized fraction
	Glauconite
<i>tr</i>	Ferromagnesian minerals
<i>5</i>	Other dense minerals
	Authigenic minerals
	Zeolite
<i>3</i>	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
<i>10</i>	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>10</i>	Foraminifera <i>carb. cement</i>
<i>22</i>	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
<i>2</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	U1352	C	105	R	2	63	

Sediment / Rock Name	<i>Calcareous fine sandstone mudstone</i>	Observer	KMM
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
	✓

Percent Terrigenous Texture		
Sand	Silt	Clay
30	50	20

Comments:

*finer silt
Turb*

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
Framework minerals	
<i>15</i>	Quartz
<i>15</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
	Micas
<i>tr</i>	Biotite
<i>20</i>	Muscovite
<i>3</i>	Chlorite
<i>10</i>	Clay sized fraction
<i>tr</i>	Glauconite
<i>1</i>	Ferromagnesian minerals
<i>10</i>	Other dense minerals
Authigenic minerals	
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
<i>5</i>	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>5</i>	Foraminifera
<i>5</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
<i>10</i>	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	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	U1352	C	105	R	3	70	

Sediment / Rock Name	<i>Sandy Marlstone</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>35</i>	<i>35</i>	<i>30</i>

Comments:

*Coarse ss w/ glauc
Bib*

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>15</i>	Quartz
<i>15</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>tr</i>	Biotite
<i>7</i>	Muscovite
<i>1</i>	Chlorite
<i>10</i>	Clay sized fraction
<i>3</i>	Glauconite
<i>1</i>	Ferromagnesian minerals
<i>8</i>	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
<i>5</i>	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
<i>5</i>	Foraminifera
<i>20</i>	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
<i>10</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	1352	C	106	R	1	45	

Sediment / Rock Name	sandy marble	Observer	hever
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Smear Slide	Thin Section
✓	

Dominant Lithology	Minor Lithology
✓	

Percent Terrigenous Texture		
Sand	Silt	Clay
20	20	20

Comments:

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

Percent	Component
BIOGENIC GRAINS	
	Calcareous
	Foraminifera
2	Nannofossils v.v. unhappy
	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
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others

