

IODP Exp. 347 Baltic Sea Paleoenvironment  
 SEDIMENT SMEAR SLIDE  
 & THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	M59	A	18	H	1	79	80

Sediment	Silt lamina	Observer	
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Smear Slide
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Dominant Lithology	Minor Lithology
	X

Percent Terrigenous Texture		
Sand	Silt	Clay
1	90	9

Comments:

Trace of sand grains  
 Generally very well sorted fine silt

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

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