

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	<del>M2001</del> 59	A	28	X	1	78	79

Sediment	Laminated sand w/ silt laminae	Observer	SP
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Smear Slide
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Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay

Comments:

Many sand-sized hornblende grains; green to bluish green pleochroic; some large quartz grains, angular in shape; garnet is also present  
 Rounded glauconite grains are also found  
 Broken centric diatoms

Percent	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
Framework minerals	
<del>59</del> 20	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
1	Plagioclase
	Rock fragments
	Volcanic glass
Accessory/trace minerals	
Micas	
tr	Biotite
	Muscovite
tr	Chlorite
1	Clay sized fraction
<del>tr</del> 1	Glauconite
<del>5</del> 5	Ferromagnesian minerals
tr	Other dense minerals
3	Detrital carbonate
Authigenic minerals	
	Zeolite
	Pyrite
3	Opaque minerals (undifferentiated)
	Fe-oxide
<del>4</del>	Carbonates
	Micrite
	Others

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