

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	M62	A	4	H	CC		

Sediment	Silty clay	Observer	SP
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Smear Slide	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
	<del>M</del>	X	Sand	Silt	Clay
			1	98	98

Comments:

*altered glass*  
 Volcanic apatite? fragments with stretched bubbles  
 Subangular to subrounded quartz sand grains  
 Apatite looks twinned or fibrous

DISTURBED CC - do not trust

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

Percent	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifera
	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