

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	G1 B		1	H	CC		

Sediment	Black clay	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
5	90	5

Comments:

In sand fraction: sphene, biotite, framboidal pyrite, green amphibole

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
74	Quartz
15	Feldspar (undifferentiated)
tr	K-feldspar (Orthoclase, Microcline...)
1	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
tr	Biotite
	Muscovite
	Chlorite
5	Clay sized fraction
	Glaucanite
1	Ferromagnesian minerals
1	Other dense minerals
	Authigenic minerals
	Zeolite
1	Pyrite
5	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
	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
5	Diatoms
	Silicoflagellates
	Sponge spicules
1	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others