

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	63	A	10	H	CC		

Sediment	Masive gray clay	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
5	45	50

Comments:

Iron oxide coating on quartz
 Large mica flakes

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