

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	64	A	3	H	1	83	89

Sediment	<i>grayish clay (83-85 cm) between brown and greenish gray clay</i>	Observer	
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Smear Slide

Dominant Lithology	Minor Lithology
	X

Percent Terrigenous Texture		
Sand	Silt	Clay
1	5	94

Comments:

*Small brown flakes: biotite or organic debris?
 Looks more like biotite mineral flakes*

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