

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	65	C	4	H	1	58	59

Sediment	Dark greenish gray clay, "mat"-like	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
	X

Percent Terrigenous Texture		
Sand	Silt	Clay
1	3	96

Comments:

Opaque minerals and organic debris are common; possibly algal or plant debris.
 Quartz grains are angular

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
tr	Biotite
	Muscovite
	Chlorite
80	Clay sized fraction
	Glaucanite
tr	Ferromagnesian minerals
tr	Other dense minerals
1	Debitral carbonate
	Authigenic minerals
	Zeolite
	Pyrite
10	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
1	Diatoms
	Silicoflagellates
	Sponge spicules
tr	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
5	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others