

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	4	H	CC		

Sediment	Black clay	Observer	SP
----------	------------	----------	----

Smear Slide

Dominant Lithology	Minor Lithology
x	

Percent Terrigenous Texture		
Sand	Silt	Clay
3	3	94

Comments:

Green hornblende is present, euhedral shape
 Centric diatoms are common (complete valves), large ones
 Quartz sand grains are present, subangular shape

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
2	Quartz
tr 1	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
	Chlorite
84	Clay sized fraction
	Glaucinite
tr	Ferromagnesian minerals
	Other dense minerals
	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
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others