

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	G	H	CC		

Sediment	Black clay	Observer	SP
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Smear Slide	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
	X		Sand	Silt	Clay
			1	3	96

Comments:

Large centric diatoms are present, complete valves and fragments
 Some type of brown, birefringent spines or spicules

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
1	Quartz
1	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
hr	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
hr	Chlorite
96	Clay sized fraction
	Glauconite
hr	Ferromagnesian minerals
hr	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
1	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
3	Diatoms
hr	Silicoflagellates
	Sponge spicules
2	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others