

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	66	A	4	H	CC		

Sediment	Sandy silt	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
30	70.65	0.5

Comments:

Sand fraction contains quartz with undulose extinction, green amphibole, horned plagioclase and microcline, debital carbonate, glauconite and oxidized (ferro-magnesian?) minerals; grain shapes angular to subrounded

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
50	Quartz
38	Feldspar (undifferentiated)
tr	K-feldspar (Orthoclase, Microcline...)
tr	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
	Chlorite
5	Clay sized fraction
tr	Glauconite
tr	Ferromagnesian minerals
H	Other dense minerals
5	Debitral carbonate
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
BIOGENIC GRAINS	
	Calcareous
tr	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
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others