

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	G5	A	14	H	CC		

Sediment	Gray clay, laminated	Observer	JP
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Smear Slide

Dominant Lithology	Minor Lithology
	X

Percent Terrigenous Texture		
Sand	Silt	Clay
3	50	47

Comments:

Dehital carbonate in all size fraction
 Angular to subrounded quartz sand grains

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

Percent	Component
BIOGENIC GRAINS	
	Calcareous
	Foraminifera
tr	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