

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	59	B	7	H	2	23	24

Sediment	Medium sand	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
90	5	5

Comments:

Centric diatoms are present
 Bluish-green pleochroic hornblende, garnet

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