

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	59	A	16	H	CC		

Sediment		Observer	SP
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Smear Slide	Dominant Lithology	Minor Lithology	Percent Terrigenous Texture		
			Sand	Silt	Clay
			2	28	70

Comments:

Coarse to fine silt with a few sand grains, clay minerals
 Angular grains (sand fraction)
 Diatom fragments are present, centric and pennate

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
20 40	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
1	Biotite
	Muscovite
	Chlorite
70 80	Clay sized fraction
	Glaucanite
1	Ferromagnesian minerals
	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
5	Opaque minerals (undifferentiated)
	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
tr	Diatoms
	Silicoflagellates
tr	Sponge spicules
tr	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
tr	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others