

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	60	A	6	H	CC		

Sediment	Silt	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
3	94	3

Comments:

Numerous birefringent gypsum? fibers
 Quartz and green amphibole in sand fraction
 Colonial freshwater? diatom fragments

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