

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	64	D	4	H	CC		

Sediment	<i>Clast-poor muddy diamictite</i>	Observer	<i>SP</i>
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Smear Slide

Dominant Lithology	Minor Lithology

Percent Terrigenous Texture		
Sand	Silt	Clay
<i>20</i>	<i>50</i>	<i>30</i>

Comments:

*Angular sand grain shapes; garnet, high abundance of detrital carbonate; birefringent rims around sand grains; some grains have iron oxide coatings, green amphibole is present
 Very poorly sorted sediment.*

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<i>30</i>	Quartz
<i>10</i>	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
<i>tr</i>	Biotite
	Muscovite
	Chlorite
<i>30</i>	Clay sized fraction
<i>tr</i>	Glauconite
<i>tr</i>	Ferromagnesian minerals
<i>tr</i>	Other dense minerals
<i>20</i>	<i>Detrital carbonate</i>
	Authigenic minerals
	Zeolite
	Pyrite
<i>5</i>	Opaque minerals (undifferentiated)
<i>tr</i>	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
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others