

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	63A	17	H	CC			

Sediment	Dark gray laminated clay	Observer	SP
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Smear Slide
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Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
2	90	8

Comments:

Iron oxide coatings on sand grains.  
 Green amphibole, glaucophane, and long fibrous mineral with shelled vesicles, <sup>altered glass</sup> (apatite?), apatite: elongate grains.

Percent	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
60	Quartz
27	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
tr	Rock fragments
	Volcanic glass
	Accessory/trace minerals
tr	Micas
tr	Biotite
	Muscovite
	Chlorite
8	Clay sized fraction
	Glaucinite
3	Ferromagnesian minerals
1	Other dense minerals
	Authigenic minerals
	Zeolite
	Pyrite
	Opaque minerals (undifferentiated)
tr	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
<b>BIOGENIC GRAINS</b>	
	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