

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	65	A	2	H	CC		

Sediment	Dark greenish gray clay	Observer	SP
----------	-------------------------	----------	----

Smear Slide
-------------

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
3	10	87

Comments:

Marine diatoms: modern assemblage? many are broken  
 Many of the opaque minerals may be pyrite; are also  
 found in organic debris remains; pyritized large centric  
 diatoms

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