

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	59	C	24	H	1	56	57

Sediment	Silty clay (varved)	Observer	SP
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Smear Slide
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Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
1 <del>10</del>	17 49	50 <del>80</del>

Comments:

Trace of fine sand grains, mostly very well sorted fine silt and clay sand grains are angular to very angular

Percent	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<del>100</del> 40	Quartz
2	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
3	Biotite
	Muscovite
tr	Chlorite
50 <del>80</del>	Clay sized fraction
	Glauconite
	Ferromagnesian minerals
tr	Other dense minerals
tr	Dental carbonate
	Authigenic minerals
	Zeolite
	Pyrite
3	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
tr	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
tr	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
tr	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others