

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	65	B	15	H	1	50	51

Sediment	Dark gray clayey silty sand	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
	X

Percent Terrigenous Texture		
Sand	Silt	Clay
30	40	20

Comments:

Glauconite is common and both silt and sand-sized

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