

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	5	H	CC		

Sediment	Clast-rich sandy diamicton	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology

Percent Terrigenous Texture		
Sand	Silt	Clay
20	60	20

Comments:

Green amphibole, [→] very large grains (coarse sand) quartz sand grains with iron oxide coatings, birefringent rims around larger grains.

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