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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm) Top	Interval (cm) Bottom
347	59	C	56	S	1	7	8

Sediment	Massive mud	Observer	SP

Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
10	80	10

Comments:
Brown hornblende in sand fraction, and biotite, garnet
Sandy mud; ~10% sand
Large (sand) rounded glauconite grains
Framboidal pyrite
Blue-green pleochroic hornblende in sand fraction, possibly monazite

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

Percent	Component
	BIOGENIC GRAINS
	Calcareous
Tr	Foraminifera
	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
1	Bioclast (undifferentiated)
	Siliceous
tr	Radiolarians
	Diatoms
	Silicoflagellates
Tr	Sponge spicules
tr	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
tr	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others