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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm) Top	Bottom
347	59	A	15	H	1	85	86

Sediment	Dark grey laminated silty clay	Observer	SP

Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
1	20	79

Comments:
From thicker darker laminated ~~se~~ interval
Trace of sand-sized grains; ~ 20% silt

Percent	Component
	SILICICLASTIC GRAINS/MINERALS
	Framework minerals
15	Quartz
1	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
1	Biotite
	Muscovite
	Chlorite
50	Clay sized fraction
tr	Glauconite
tr	Ferromagnesian minerals
	Other dense minerals
	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
1	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
10	Diatoms
	Silicoflagellates
tr	Sponge spicules
10	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
~~tr~~ 3	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
3	Others ~~(marine)~~ algae? (silica)