

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

Expedition	Site	Hole	Core	Type	Sec	Interval (cm)	
						Top	Bottom
347	63	A	12	H	cc		

Sediment	Silty clay w/ dispersed clasts	Observer	SP
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Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
0	10	90

Comments:

Altered volcanic flow?
~~Fibrous or banded apatite?~~ with stretched inclusions or bubble,
 green amphibole;
 Strained quartz (metamorphic) is present w/ undulating extinction

Percent	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
5	Quartz
83	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
1	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
h	Biotite
	Muscovite
	Chlorite
90	Clay sized fraction
	Glaucinite
	Ferromagnesian minerals
h	Other dense minerals
	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
h	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others