Sediment Smear Slide / Thin Section Description Sheet

Date:

Expedition: 398 Observer:

Site: Hole: Core: Sect.: Interval:

Sediment Name:

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay

Select one and check.

T/R/C/A/D	Composition
Major Siliciclastic Grain Types	
	Clay minerals
Lithic Grains	
Sedimentary Lithics	
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
Volcaniclastic Grains	
	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
Authigenic components	
	Pyrite
	Calcite
	Dolomite
	Zeolites
	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

T/R/C/A/D	Composition
Pelagic Grains	
Calcareous	
	Nannofossils
	Foraminifers
Siliceous	
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
Minor Other Grain Types	
	Phosphate (bones, teeth, etc)
	Organic matter
	Other (specify):
Other carbonate allochems	
	Peloid
	Intraclast
Vitric grain shape	
	Blocky
	Cuspate
	Pumiceous

T/R/C/A/D	Composition
Minor Mineral Grain Types	
	Olivine
	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Feldspar
	Quartz
	Biotite
	Vesicle content/shape
	Non-vesicular
	Round
	Elliptical
	Elongate
	Tubular

Abundances like in 398 Methods Smear slide section

Remarks:

T = trace (<1%) R = rare (1-5%) C = common (5-20%) A = abundant (20-50%) D = dominant (>50%)

* This form is not designed for shallow water (neritic) carbonate sediments

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