

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 23 Feb

Expedition: 375 Observer: HW

Site: 1519 DE Hole: DE Core: 24 Sect.: 7 Interval: 1

Sediment Name: sandy silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Other material	Percent Texture		
				Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
								20	40	20

Select one and check.

Select one and check.

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

T/R/P/C/A/D/M	Composition
Pelagic Grains	
	Calcareous
C	Nannofossils
F	Foraminifers
Siliceous	
T	Diatom
	Radiolarian
	Silicoflagellate
R	Sponge Spicule
Other bioclasts	
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
Minor Other Grain Types	
	Phosphate (bones, teeth, etc)
	Marine organic matter
R	Terrestrial organic matter
	Other (specify):
Other carbonate allochems	
	Peloid
	Intraclast

T/R/P/C/A/D/M	Composition
Minor Mineral Grain Types	
	Olivine
P	Pyroxene
P	Amphibole
R	Micas
T	Chlorite
	Zircon
T	Apatite
R	Opaque Grain
L	Glauconite
T	Calcite detrital
T	Other (specify):
	<u>rustle</u>

¹ List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: _____

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 4/22/18

Expedition: 375

Observer: OLIV

Site: 1519 Hole: E

Core: 2H Sect.: 7A

Interval: 37

Sediment Name: Mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Other material	Percent Texture		
				Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
V								5	25	70

Select one and check.

Select one and check.

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

T/R/P/C/A/D/M	Composition
Pelagic Grains	
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Silicoflagellate
R	Sponge Spicule
Other bioclasts	
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
Minor Other Grain Types	
	Phosphate (bones, teeth, etc)
	Marine organic matter
T	Terrestrial organic matter
	Other (specify):
Other carbonate allochems	
	Peloid
	Intraclast

T/R/P/C/A/D/M	Composition
Minor Mineral Grain Types	
	Olivine
T	Pyroxene
T	Amphibole
	Micas
T	Chlorite
T	Zircon
T	Apatite
	Opaque Grain
T	Glauconite
P	Opaque Grain
	Other (specify):

List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 22, Apr. 2018

Expedition: 375

Observer: NODA

Site: 1519 Hole: E Core: 3H Sect.: 4A

Interval: 110

Sediment Name: silt

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Other material	Percent Texture		
				Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
T								10	80	10

Select one and check.

Select one and check.

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

T/R/P/C/A/D/M	Composition
Pelagic Grains	
	Calcareous
P	Nannofossils
P	Foraminifers
Siliceous	
T	Diatom
	Radiolarian
	Silicoflagellate
R	Sponge Spicule
Other bioclasts	
	Mollusk
T	Echinoderm
	Benthic foraminifer
	Other bioclast (specify):
Minor Other Grain Types	
	Phosphate (bones, teeth, etc)
	Marine organic matter
P	Terrestrial organic matter
	Other (specify):
Other carbonate allochems	
	Peloid
	Intraclast

T/R/P/C/A/D/M	Composition
Minor Mineral Grain Types	
T	Olivine
T	Pyroxene
R	Amphibole
T	Micas Bt
T	Chlorite
T	Zircon
	Apatite
	Opaque Grain
R	Glauconite
T	Opaque Grain
	Other (specify):

¹ List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 22, Apr

Expedition: 375

Observer: NODA

Site: 1519 Hole: E Core: 5H Sect.: 4A

Interval: 40

Sediment Name: clayey silt with pyrite

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Other material	Percent Texture		
				Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
X								0	70	30

Select one and check.

Select one and check.

T/R/P/C/A/D/M	Composition	T/R/P/C/A/D/M	Composition	T/R/P/C/A/D/M	Composition
Major Siliciclastic Grain Types		Pelagic Grains		Minor Mineral Grain Types	
C	Quartz		Calcareous		Olivine
E	Feldspars	P	Nannofossils	T	Pyroxene
P	Clay minerals	P	Foraminifers	R	Amphibole
			Siliceous	T	Micas <u>Bx</u>
Lithic Grains			Diatom	T	Chlorite
Sedimentary Lithics			Radiolarian	T	Zircon
	Chert	R	Silicoflagellate		Apatite
E	Mudstone		Sponge Spicule		Opaque Grain
	Siltstone/sandstone		Other bioclasts	T	Glauconite
	Limestone	T	Mollusk	R	Opaque Grain
	Metamorphic lithic		Echinoderm		Other (specify):
	Plutonic lithic		Benthic foraminifer	P	<u>calcite</u>
			Other bioclast (specify)		
Volcaniclastic Grains		Minor Other Grain Types			
L	Transparent glass		Phosphate (bones, teeth, etc)		
T	Colored glass		Marine organic matter		
C	Volcanic lithics	T	Terrestrial organic matter		
R	Altered volcanic (e.g. palagonite)		Other (specify):		
Authigenic components		Other carbonate allochems			
A	Pyrite		Peloid		
	Calcite		Intraclast		
	Dolomite				
	Zeolites				
T	Fe/Mn oxide				
	Other (specify):				

List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Pyroxene with inclusion?

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 23.4.78

Expedition: 375

Observer: RM

Site: 1519 Hole: E Core: 9 Sect.: 7

Interval: 55

Sediment Name: mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount	Granular Sediment			Other material	Percent Texture		
				Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
								10	40	50

Select one and check.

Select one and check.

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

T/R/P/C/A/D/M	Composition
Pelagic Grains	
	Calcareous
<u>P</u>	Nannofossils
<u>P</u>	Foraminifers
Siliceous	
	Diatom
	Radiolarian
	Silicoflagellate
<u>R</u>	Sponge Spicule
Other bioclasts	
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
Minor Other Grain Types	
	Phosphate (bones, teeth, etc)
	Marine organic matter
<u>R</u>	Terrestrial organic matter
	Other (specify):
Other carbonate allochems	
	Peloid
	Intraclast

T/R/P/C/A/D/M	Composition
Minor Mineral Grain Types	
	Olivine
<u>T</u>	Pyroxene
<u>R</u>	Amphibole
<u>I</u>	Micas
<u>L</u>	Chlorite
<u>T</u>	Zircon
	Apatite
<u>J</u>	Opaque Grain
<u>P</u>	Glauconite
<u>T</u>	Calcite detrital
	Other (specify):

¹ List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: _____

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

