375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375 Observer: NH

Site: 1526 Hole: B Core: 7H Sect.: 7 Interval: 125

Sediment Name: 95%

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				20	70	10

Select one and check.

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

[1] List under remarks if possible

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375 Observer: RA

Site: U1536 Hole: B Core: 71H Sect.: 2 Interval: 20

Sediment Name: silty clay with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				5	25	70

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
R	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
P	Transparent glass
R	Colored glass
R	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
P	Calcite
	Dolomite
	Zeolites
FC	Fe/Mn oxide
	Other (specify):

[1] List under remarks if possible

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375

Observer: Na

Site: 1526 Hole: B Core: 7H Sect.: 3 Interval: 117

Sediment Name: mash Mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	60	30

Select one and check.

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

[1] List under remarks if possible

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375 Observer: Pu

Site: 1396 Hole: B Core: 21H Sect.: 3 Interval: 62

Sediment Name: nannofossil-rich mud with glass

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				10	30	60

Select one and check.

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

[1] List under remarks if possible

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375

Observer: Au

Site: 1526 Hole: B Core: 2R Sect.: 3 Interval: 82

Sediment Name: Ag

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				90	10	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
T	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/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
	Nannofossils
	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.

Expedition: 375

Observer: Ra

Site: U1526 Hole: B Core: 21H Sect.: 3 Interval: 101

Sediment Name: FSG

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				70	20	10

Select one and check.

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
T	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	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
	Micas
	Chlorite
T	Zircon
	Apatite
R	Opaque Grain
	Glauconite
	Cacite detrital
	Other (specify):

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: 3.5.18

Expedition: 375 Observer: Nu

Site: 1526 Hole: B Core: 31 Sect.: 5 Interval: 2

Sediment Name: ASh

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				60	20	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
T	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
D	Transparent glass
	Colored glass
P	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/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
R	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375

Observer: RM

Site: 1396 Hole: B Core: 31H Sect.: 5 Interval: 57

Sediment Name: Ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				50	30	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
+	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
T	Colored glass
R	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/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
T	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.

Expedition: 375 Observer: Ra

Site: 1526 Hole: B Core: 4H Sect.: 2 Interval: 59

Sediment Name: AG

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				~~50~~	20	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
T	Transparent glass
	Colored glass
P	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/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
	Minor Other Grain Types
	Phosphate (bones, teeth, etc)
	Marine organic matter
	Terrestrial organic matter
	Other (specify):
	Other carbonate allochems
	Peloid
	Intraclast

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.18

Expedition: 375 Observer: MM

Site: 1526 Hole: B Core: 41X Sect.: 2 Interval: 76

Sediment Name: calcareous mud

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

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

Select one and check.

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

[1] List under remarks if possible

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 3.5.17

Expedition: 375 Observer: Na

Site: 1526 Hole: B Core: 41 Sect.: 3 Interval: 97

Sediment Name: foraminifer-rich [illegible] chalk ooze with nannos

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				20	20	60

Select one and check.

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

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

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

[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: nannos completely recrystallized

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