375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19.4.17

Expedition: 375 Observer: Ra

Site: 1514 Hole: C Core: 2 Sect.: 3 Interval: 77

Sediment Name: mixed silt with mud

clastic

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				15	50	35

Select one and check.

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	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

Abundances like in 375 Methods-C-Table 2

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

Remarks: Tooth plates

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19 x 18

Expedition: 325

Observer: TASHI

Site: 1519 Hole: C Core: 2 Sect.: 3 Interval: AR

Sediment Name: Silty Clay

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
✓			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				3	40	57

Select one and check.

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
T	Amphibole
R	Micas
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 4/19/18

Expedition: 375 Observer: OCIV

Site: U1519 Hole: C Core: 4R Sect.: 2A Interval: 95

Sediment Name: silty clay → mudstone with nannofossils

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2	28	70

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
P	Transparent glass
R	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
P	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
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
	Amphibole
	Micas
T	Chlorite
T	Zircon
	Apatite
R	Opaque Grain
T	Glauconite → present in silt
	Opaque Grain
	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: 19. Apr. 2018

Expedition: 375 Observer: NoDA

Site: 1519 Hole: C Core: 9R Sect.: 3A Interval: 122 cm

Sediment Name: ~~clayey~~ silt mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	75	25

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
R	Colored glass
R	Volcanic lithics
R	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
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
R	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
T	Amphibole
	Micas
T	Chlorite
T	Zircon
	Apatite
	Opaque Grain
R	Glauconite
R	Opaque Grain
	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: 19 Apr. 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 10R Sect.: 3A Interval: 68

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2	68	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
D	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
R	Transparent glass
T	Colored glass
R	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
R	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
C	Nannofossils
R	Foraminifers
	Siliceous
R	Diatom
T	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
	Other bioclast (specify)
P	calcite
	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
T	Amphibole
T	Micas Bt
T	Chlorite
T	Zircon
T	Apatite
	Opaque Grain
R	Glauconite
	Opaque Grain
	Other (specify):

Remarks: detrital/calcite? recrystalized

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 19 Apr. 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: ~~10R~~ 11R Sect.: 2A Interval: 73

Sediment Name: silty mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				3	57	40

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
R	Transparent glass
R	Colored glass
P	Volcanic lithics
P	Altered volcanic(e.g. palagonite)
	Authigenic components
R	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
R	Nannofossils
R	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)
	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
P	Pyroxene
T	Amphibole
	Micas
T	Chlorite
T	Zircon
	Apatite
R	Opaque Grain
T	Glauconite
	Opaque Grain
R	Other (specify):
	~~unspecified~~ calcite

Remarks: detrital calcite

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 20.4.18

Expedition: 375

Observer: Ka

Site: 1519 Hole: C Core: 12R Sect.: CC Interval: 6

Sediment Name: silty mudstone

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	50	40

Select one and check.

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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 4/20/18

Expedition: 375 Observer: OLN

Site: U1519 Hole: C Core: 14R Sect.: 1A Interval: 105

Sediment Name: very fine sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				25	55	20

Select one and check.

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
P	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
R	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
P	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
R	Pyroxene
T	Amphibole
	Micas
R	Chlorite
T	Zircon
T	Apatite
	Opaque Grain
T	Glauconite
P	Opaque Grain
	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: 24.4.18

Expedition: 375 Observer: Mu

Site: U1519 Hole: C Core: 14 Sect.: 2 Interval: 50-

Sediment Name: TASG

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	80	0

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
T	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
R	Colored glass
T	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
P	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
T	Pyroxene
T	Amphibole
	Micas
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
	Cacite detrital
T	Other (specify):
	Plagioclase

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 4/20/18

Expedition: 375 Observer: OLIV

Site: U1519 Hole: C Core: 14P Sect.: 4A Interval: 60

Sediment Name: Mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2,5	7,5	90

Select one and check.

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
C	Foraminifers
	Siliceous
R	Diatom
R	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
T	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
	Amphibole
	Micas
R	Chlorite
T	Zircon
	Apatite
	Opaque Grain
	Glauconite
P	Opaque Grain
	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: 22.4.18

Expedition: 375 Observer: M.

Site: 1519 Hole: C Core: 15R Sect.: 1 Interval: 69

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
				10	90	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
T	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
T	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
C	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
T	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
T	Glauconite
P	Opaque Grain
	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: 22.4.98

Expedition: 375

Observer: [illegible]

Site: 1519 Hole: C Core: 75R Sect.: 4 Interval: 17

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
				10	80	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
R	Feldspars
T	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
R	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	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
T	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
T	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
T	Amphibole
T	Micas
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 22.4.18

Expedition: 375

Observer: Ma

Site: 1519 Hole: C Core: 75R Sect.: 5 Interval: 20

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
				20	75	5

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
T	Transparent glass
R	Colored glass
R	Volcanic lithics
I	Altered volcanic(e.g. palagonite)
	Authigenic components
	Pyrite
P	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
T	Pyroxene
	Amphibole
T	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
I	Glauconite
	Opaque Grain
	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: 20, Apr. 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 15R Sect.: 5A Interval: 63

Sediment Name: sandy siltstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

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

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
R	Colored glass
C	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	altered glass
	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
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
	Sponge Spicule
	Other bioclasts
	Mollusk
	Echinoderm
	Benthic foraminifer
R	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
T	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
R	Glauconite
T	Opaque Grain
	Other (specify):

Remarks: identified

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 20, Apr, 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 15R Sect.: 7A Interval: 20

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	60	40

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	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
C	Nannofossils
P	Foraminifers
	Siliceous
R	Diatom
R	Radiolarian
	Sillicoflagellate
P	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
T	Amphibole
R	Micas Bt
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
T	Glauconite
T	Opaque Grain
	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: 22.4.18

Expedition: 375 Observer: KL

Site: 1519 Hole: C Core: 16R Sect.: 1 Interval: 145

Sediment Name: 954 Kalk

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	60	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
R	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
R	Colored glass
R	Volcanic lithics
T	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
T	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
T	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
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
R	Opaque Grain
	Glauconite
	Opaque Grain
	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: 4/20/18

Expedition: 375

Observer: RABI

Site: U1519 Hole: C Core: 16R Sect.: 3A Interval: 55cm

Sediment Name: mudstone

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	20	75

Select one and check.

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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
	Pyroxene
	Amphibole
T	Micas
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
P	Glauconite
	Opaque Grain
	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: 22.4.16

Expedition: 375 Observer: Mu

Site: 1519 Hole: C Core: 16R Sect.: 4 Interval: 69

Sediment Name: oozy chalk

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
T	Quartz
R	Feldspars
T	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
R	Colored glass
T	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
R	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
R	Nannofossils
T	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
T	Sillicoflagellate
T	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
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
T	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 23.4.18

Expedition: 375

Observer: RU

Site: 1519 Hole: C Core: 16R Sect.: 5 Interval: 112

Sediment Name: ooze/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	80	10

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
P	Feldspars
R	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
T	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
P	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
R	Nannofossils
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	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
	Amphibole
	Micas
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
R	Glauconite
	Opaque Grain
	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: 21.4.18

Expedition: 375

Observer: Ike

Site: U1519 Hole: C Core: 77 Sect.: 1 Interval: 10

Sediment Name: mud-rich tuff

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	70	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
P	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
I	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
P	Colored glass
P	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
	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
C	Nannofossils
R	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
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

Abundances like in 375 Methods-C-Table 2

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

Remarks: tuff mixed with background sediment by sampling

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21.4.

Expedition: 375

Observer: Rg

Site: 1579 Hole: C Core: 17R Sect.: 3 Interval: 98

Sediment Name: sandy mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				25	40	35

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
T	Colored glass
R	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
R	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
C	Nannofossils
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
T	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

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
T	Chlorite
T	Zircon
	Apatite
R	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 21.4

Expedition: 375 Observer: Ilu

Site: 1519 Hole: C Core: 18R Sect.: 5 Interval: 77

Sediment Name: Silty Sandstone

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
C	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
T	Colored glass
T	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
P	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
F	Nannofossils
F	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
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

Abundances like in 375 Methods-C-Table 2

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

Remarks: larger clasts are either foraminifers or pumices/glass

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

375 Methods-C-F7 S

Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.18

Expedition: 375 Observer: [illegible]

Site: 1519 Hole: C Core: 18 Sect.: 7 Interval: 83

Sediment Name: Tuff

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	60	20

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
P	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
T	Colored glass
	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
R	Nannofossils
R	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
T	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
T	Amphibole
T	Micas
	Chlorite
	Zircon
	Apatite
T	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 21 Apr. 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 19R Sect.: 1A Interval: 57

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				3	67	30

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
P	Transparent glass
	Colored glass
C	Volcanic lithics
P	Altered volcanic(e.g. palagonite)
	Authigenic components
T	Pyrite
R	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
C	Nannofossils
R	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
P	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

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
T	Micas Bt
	Chlorite
T	Zircon
	Apatite
	Opaque Grain
T	Glauconite
P	Opaque Grain
R	Other (specify):
	calcite

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 22.4.

Expedition: 375

Observer: Ru

Site: 1519 Hole: C Core: 19R Sect.: 6

Interval: 76

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
				60	40	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
T	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
T	Colored glass
	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
P	Nannofossils
I	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
I	Pyroxene
	Amphibole
R	Micas
	Chlorite
	Zircon
	Apatite
R	Opaque Grain
	Glauconite
	Opaque Grain
	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: 21. Apr. 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 20 R Sect.: 1A Interval: 40

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

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
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
T	Colored glass
P	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
P	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
T	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
T	Mollusk
T	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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21 Apr 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 21R Sect.: 5A Interval: 46 cm

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				0	40	60

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
	Colored glass
R	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
R	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
C	Nannofossils
R	Foraminifers
	Siliceous
P	Diatom
R	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
	Other bioclasts
	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
T	Pyroxene
TR	Amphibole Actinolite? HSI
T	Micas
	Chlorite
	Zircon
	Apatite
T	Opaque Grain
R	Glauconite
	Opaque Grain
R	Other (specify):
	calcite

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 21, Apr, 2018

Expedition: 375 Observer: NODA

Site: 1519 Hole: C Core: 21 Sect.: 6A Interval: 5 cm

Sediment Name: mudstone with nanno

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
X			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2	40	58

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
R	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
R	Colored glass
R	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
T	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
C	Nannofossils
R	Foraminifers
	Siliceous
P	Diatom
	Radiolarian
	Sillicoflagellate
P	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
	Amphibole
T	Micas
	Chlorite
	Zircon
T	Apatite
	Opaque Grain
	Glauconite
	Opaque Grain
	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: 4/21/18

Expedition: 375 Observer: OCIV

Site: 1519 Hole: C Core: 22R Sect.: 6A Interval: 105

Sediment Name: silty sandstone with ash

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

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
A	Quartz
C	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
C	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
A	Transparent glass
T	Colored glass
R	Volcanic lithics
P	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
P	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
P	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
P	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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
T	Amphibole
	Micas
	Chlorite
T	Zircon
T	Apatite
	Opaque Grain
P	Glauconite
T	Opaque Grain
	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: 4/27/18

Expedition: 375 Observer: OLIV

Site: 1519 Hole: C Core: 22R Sect.: 7A Interval: 30

Sediment Name: mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

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

[1] List under remarks if possible

T/R/P/C/A/D/M	Composition
	Pelagic Grains
	Calcareous
C	Nannofossils
T	Foraminifers
	Siliceous
T	Diatom
T	Radiolarian
	Sillicoflagellate
C	Sponge Spicule
P	**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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
T	Pyroxene
	Amphibole
	Micas
	Chlorite
T	Zircon
T	Apatite
P	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 4/21/18

Expedition: 375 Observer: OCIV

Site: 1519 Hole: C Core: 23R Sect.: 1A Interval: 30

Sediment Name: mixed silty sandstone | very fine sandstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

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

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C	Feldspars
C	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
T	Mudstone
D	Siltstone/sandstone
	Limestone
R	Metamorphic lithic
P	Plutonic lithic
	Volcaniclastic Grains
	Transparent glass
R	Colored glass
P	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
T	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
P	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	Sponge Spicule
P	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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
	Amphibole
T	Micas
	Chlorite
T	Zircon
T	Apatite
R	Opaque Grain
T	Glauconite
D	Opaque Grain
	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: 22.4

Expedition: 375

Observer: LG

Site: 1519 Hole: C Core: 23R Sect.: 2 Interval: 18

Sediment Name: Ash turb

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	80	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
T	Quartz
C	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
R	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
R	Pyrite
T	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
T	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
T	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
R	Pyroxene
T	Amphibole
	Micas
T	Chlorite
	Zircon
	Apatite
	Opaque Grain
T	Glauconite
T	Opaque Grain
	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: 4/21/18

Expedition: 375 Observer: OLV

Site: 1519 Hole: C Core: 23R Sect.: 5A Interval: 66

Sediment Name: Mudstone

Smear Slide	Thin Section	Coarse Fraction	Grain Mount
V			

Select one and check.

Granular Sediment			Other material	Percent Texture		
Siliciclastic	Volcaniclastic	Pelagic		Sand	Silt	Clay
				2	28	80

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
A	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
T	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
R	Colored glass
R	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
P	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
C	Nannofossils
R	Foraminifers
	Siliceous
	Diatom
	Radiolarian
	Sillicoflagellate
P	Sponge Spicule
R	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
	Amphibole
T	Micas
T	Chlorite
	Zircon
T	Apatite
T	Opaque Grain
T	Glauconite
	Opaque Grain
	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: 22.4.

Expedition: 375

Observer: Ma

Site: 1519 Hole: D Core: 1H Sect.: 1 Interval: 16

Sediment Name: 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
				15	45	40

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
C/A	Feldspars
A	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
R	Siltstone/sandstone
	Limestone
	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
T	Colored glass
T	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
R	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
C/R	Nannofossils
R	Foraminifers
	Siliceous
T	Diatom
T	Radiolarian
	Sillicoflagellate
T	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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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

375 Methods-C-F7

Sediment Smear Slide / Thin Section Description Sheet

Date: 22.4.

Expedition: 375

Observer: Ra

Site: 1519 Hole: D Core: 14 Sect.: 2 Interval: 16

Sediment Name: As G

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	80	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
R	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
	Siltstone/sandstone
	Limestone
	Metamorphic lithic
	Plutonic lithic
	Volcaniclastic Grains
M	Transparent glass
	Colored glass
	Volcanic lithics
	Altered volcanic(e.g. palagonite)
	Authigenic components
T	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
T	Pyroxene
T	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
T	Opaque Grain
	Glauconite
	Opaque Grain
	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: 22.4.

Expedition: 375

Observer: MM

Site: 1514 Hole: D Core: 1 Sect.: CC Interval: 5

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	40	

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
	Quartz
P	Feldspars
	Clay minerals
	Lithic Grains
	Sedimentary Lithics
	Chert
	Mudstone
T	Siltstone/sandstone
	Limestone
	Metamorphic lithic
T	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
	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
T	Pyroxene
	Amphibole
	Micas
	Chlorite
	Zircon
	Apatite
	Opaque Grain
	Glauconite
T	Opaque Grain
	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: 23.4.18

Expedition: 375 Observer: Na

Site: 1519 Hole: D Core: 2H Sect.: 17 Interval: 70

Sediment Name: 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
					20	80

Select one and check.

T/R/P/C/A/D/M	Composition
	Major Siliciclastic Grain Types
C	Quartz
P	Feldspars
D	Clay minerals
	Lithic Grains
	Sedimentary Lithics
T	Chert
	Mudstone
P	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
T	Plutonic lithic
	Volcaniclastic Grains
C	Transparent glass
R	Colored glass
P	Volcanic lithics
T	Altered volcanic(e.g. palagonite)
	Authigenic components
P	Pyrite
P	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
R	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
R	Sponge Spicule
	Other bioclasts
	Mollusk
T	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

Abundances like in 375 Methods-C-Table 2

T/R/P/C/A/D/M	Composition
	Minor Mineral Grain Types
	Olivine
R	Pyroxene
T	Amphibole
R	Micas
T	Chlorite
	Zircon
T	Apatite
T	Opaque Grain
T	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: 23.4.18

Expedition: 375 Observer: NM

Site: Hole: D Core: 21H Sect.: 6 Interval: 4

Sediment Name: Ngnite-rich S/H

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
C	Quartz
P	Feldspars
P	Clay minerals
	Lithic Grains
	Sedimentary Lithics
R	Chert
	Mudstone
C	Siltstone/sandstone
	Limestone
T	Metamorphic lithic
R	Plutonic lithic
	Volcaniclastic Grains
R	Transparent glass
T	Colored glass
R	Volcanic lithics
R	Altered volcanic(e.g. palagonite)
	Authigenic components
C	Pyrite
T	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
P	Nannofossils
P	Foraminifers
	Siliceous
T	Diatom
	Radiolarian
	Sillicoflagellate
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

Abundances like in 375 Methods-C-Table 2

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

Remarks:

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