# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/25/18

Expedition: 375 Observer: OCIV

Site: U1520 Hole: D Core: 14 Sect.: 1A Interval: 49

Sediment Name: silty sand

| 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** |
| C | Quartz |
| C | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| C | Sedimentary Lithics |
| | Chert |
| C | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| T | Colored glass |
| C | Volcanic lithics |
| R | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| | 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 |
| 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 |
| 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 |
| K | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/25/18

Expedition: 375 Observer: OCIV

Site: U1520 Hole: D Core: 1H Sect.: 1A Interval: 55

Sediment Name: silty Clay

| 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 | 23 | 75 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| **Major Siliciclastic Grain Types** | |
| P | Quartz |
| R | Feldspars |
| A | Clay minerals |
| | |
| **Lithic Grains** | |
| **Sedimentary Lithics** | |
| | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| **Volcaniclastic Grains** | |
| C | Transparent glass |
| T | 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 |
| C | Foraminifers |
| | Siliceous |
| T | Diatom |
| R | 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 Hornblende |
| | Micas |
| T | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.98

Expedition: 375 Observer: LM

Site: 1520 Hole: D Core: 1H Sect.: 1 Interval: 120

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 |
| | | | | 40 | 50 | 10 |

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 |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| | Colored glass |
| T | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| T | 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 |
| R | 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 |
| | |
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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 |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/25/18

Expedition: 375 Observer: OCIV

Site: U1520 Hole: D Core: 1H Sect.: 2A Interval: 24

Sediment Name: Silty Clay

| 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 |
| | | | | 1 | 29 | 70 |

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** |
| D | Transparent glass |
| R | Colored glass |
| | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| T | Pyrite |
| R | 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 |
| R | 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 |
| | |
| | |
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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 |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.18

Expedition: 375 Observer: IRa

Site: 1520 Hole: D Core: 7H Sect.: 3 Interval: 27

Sediment Name: Ash

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 30 | 70 | |

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

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| T | 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 |
| | |
| | |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Minor Mineral Grain Types** |
| | Olivine |
| R | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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[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: 26.4.18

Expedition: 375

Observer: Pla

Site: 1520 Hole: D Core: 21f Sect.: 2 Interval: 16

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 | 80 | |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| T | Quartz |
| P | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| T | 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** |
| 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** |
| 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 |
| | |
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Abundances like in 375 Methods-C-Table 2

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

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/25/18

Expedition: 375 Observer: OCIV

Site: U1520 Hole: D Core: 2H Sect.: 2A Interval: 60

Sediment Name: Silty clay

| 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 |
| | | | | 1 | 04 | 70 |

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** |
| T | Chert |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| T | Colored glass |
| R | Volcanic lithics |
| | 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** |
| A | Nannofossils |
| C | Foraminifers |
| | **Siliceous** |
| T | Diatom |
| T | Radiolarian |
| | Sillicoflagellate |
| | 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 |
| | Micas |
| T | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.18

Expedition: 375

Observer: Ka

Site: 7520 Hole: D Core: 24 Sect.: 3 Interval: 75

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 | 50 | 30 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| C | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| G | Transparent glass |
| D | Colored glass |
| P | Volcanic lithics |
| P | 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** |
| C | 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 |
| | 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** |
| P | Olivine |
| P | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/25/18

Expedition: 375 Observer: OLIV

Site: U1520 Hole: D Core: 2H Sect.: 7A Interval: 70

Sediment Name: silty sand

| 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 |
| | | | | 70 | 20 | 10 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| A | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| P | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| P | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| TR | Transparent glass |
| T | Colored glass |
| A | 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 |
| | 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 |
| P | Pyroxene |
| T | Amphibole |
| | Micas |
| | Chlorite |
| R | Zircon |
| T | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.17

Expedition: 375

Observer: Ik

Site: 1500 Hole: D Core: 3H Sect.: 4 Interval: 22

Sediment Name: Sit

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 5 | 90 | 5 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| E | Quartz |
| E | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| T | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| T | Transparent glass |
| | Colored glass |
| E | 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 |
| | 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 |
| | |
| | |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Minor Mineral Grain Types** |
| T | Olivine |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| T | Chlorite |
| R | Zircon |
| R | Apatite |
| P | Opaque Grain |
| T | Glauconite |
| T | Cacite detrital |
| R | Other (specify): |
| | Mantle |
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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: 26.4.18

Expedition: 375 Observer: RM

Site: 1520 Hole: D Core: 4H Sect.: 4 Interval: 7/9

Sediment Name: Asl

| 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 |
| P | Siltstone/sandstone |
| | Limestone |
| R | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| D | Transparent glass |
| T | Colored glass |
| T | Volcanic lithics |
| T | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| R | Pyrite |
| T | 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 |
| P | Nannofossils |
| R | Foraminifers |
| | Siliceous |
| R | 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 |
| 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 |
| | Apatite |
| | Opaque Grain |
| R | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.18

Expedition: 375 Observer: Ian

Site: 1520 Hole: D Core: 41 Sect.: 5 Interval: 101

Sediment Name: silty Sand

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 50 | 30 | 20 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| P | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| R | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| R | Metamorphic lithic |
| P | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| T | Transparent glass |
| T | Colored glass |
| P | 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 |
| P | 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 |
| | |
| | |
| | |

| 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 |
| R | Glauconite |
| P | Cacite detrital |
| | Other (specify): |
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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: 26.4.18

Expedition: 375 Observer: Ra

Site: 1520 Hole: D Core: 4 Sect.: 6 Interval: 43

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 |
| | | | | 5 | 25 | 70 |

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

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| R | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| R | 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 |
| P | 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 |
| | Amphibole |
| | Micas |
| T | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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[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: 26.9.18

Expedition: 375

Observer: Ku

Site: 1520 Hole: C Core: 6H Sect.: 1 A Interval: 74

Sediment Name: silty sand

| 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 | 40 | 10 |

Select one and check.

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

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

375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.18

Expedition: 375 Observer: Ma

Site: 1522 Hole: D Core: 6H Sect.: 4 Interval: 44

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 |
| | | | | | 80 | 20 |

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** |
| | Chert |
| T | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| T | Colored glass |
| | Volcanic lithics |
| T | 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** |
| 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 |
| 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 |
| | Amphibole |
| | Micas |
| T | Chlorite |
| T | Zircon |
| | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | ~~Opaque Grain~~ Calcite |
| | Other (specify): |
| | |
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Remarks:

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

375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.9.18

Expedition: 375 Observer: Mu

Site: 1520 Hole: D Core: 64 Sect.: 4 Interval: 63

Sediment Name: silty clay (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 |
| | | | | | 30 | 70 |

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 |
| | Chert |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | Volcaniclastic Grains |
| P | Transparent glass |
| T | Colored glass |
| R | 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 |
| 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 |
| 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 |
| | Amphibole |
| | Micas |
| T | Chlorite |
| | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| P | ~~Opaque Grain~~ (pyrite) |
| | Other (specify): |
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Remarks:

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

375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.17

Expedition: 375 Observer: Ma

Site: 1520 Hole: D Core: 8H Sect.: 2A Interval: 54

Sediment Name: silty clay 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 |
| | | | | | 40 | 60 |

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 |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| R | Transparent glass |
| R | Colored glass |
| R | Volcanic lithics |
| T | 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 |
| P | 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 |
| 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 |
| T | Chlorite |
| T | Zircon |
| T | Apatite |
| T | Opaque Grain |
| T | Glauconite |
| P | ~~Opaque Grain~~ calcite |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 26.4.17

Expedition: 375 Observer: Ma

Site: 1520 Hole: D Core: 8H Sect.: 5A Interval: 55

Sediment Name: sand

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 80 | 15 | 5 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| c | Feldspars |
| T | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| P | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| PC | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| I | Colored glass |
| C | Volcanic lithics |
| T | 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 |
| T | Nannofossils |
| R | Foraminifers |
| | Siliceous |
| | Diatom |
| | Radiolarian |
| | Sillicoflagellate |
| | Sponge Spicule |
| | |
| | **Other bioclasts** |
| P | 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** |
| O | Olivine |
| P | Pyroxene |
| P | Amphibole |
| | Micas |
| RC | Chlorite |
| R | Zircon |
| T | Apatite |
| T | Opaque Grain |
| R | Glauconite |
| R | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/26/18

Expedition: 375 Observer: AIV

Site: 1520 Hole: D Core: 11H Sect.: 6A Interval: 44

Sediment Name: sand

| 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 |
| | | | | 80 | 18 | 2 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| C | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| R | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| R | Transparent glass |
| | Colored glass |
| C | 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 |
| R | 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 |
| P | Pyroxene |
| R | Amphibole |
| | Micas |
| T | Chlorite |
| R | Zircon |
| T | Apatite |
| P | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 4/26/18

Expedition: 375 Observer: OLIV

Site: 1520 Hole: D Core: 11H Sect.: 2A Interval: 80

Sediment Name: silty clay

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| V | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| / | 25 | 75 |

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

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 26, Apr, 2018

Expedition: 375 Observer: Noda

Site: 1520 Hole: D Core: 12H Sect.: 2A Interval: 74

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 |
| | | | | | 30 | 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** |
| | Chert |
| R | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| R | Transparent glass |
| | Colored glass |
| | Volcanic lithics |
| | 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 |
| R | Foraminifers |
| | Siliceous |
| C | 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 |
| 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 |
| | Amphibole |
| | Micas |
| T | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 26, Apr. 2018

Expedition: 375 Observer: NODA

Site: 1520 Hole: D Core: 12H Sect.: 4A Interval: 111

Sediment Name: Sandy Silt

| 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 |
| | | | | 20 | 70 | 10 |

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 |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| T | Colored glass |
| C | 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 |
| P | 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 |
| T | Pyroxene |
| T | Amphibole |
| T | Micas Bt |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| R | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date:

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 13H Sect.: 6A Interval: 57

Sediment Name: silty clay

| 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 |
| | | | | | 20 | 80 |

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 |
| R | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | 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 |
| 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 |
| R | 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** |
| T | Olivine |
| T | Pyroxene |
| T | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/26/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 14H Sect.: 3A Interval: 55

Sediment Name: S/Cy clay

| 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 |
| | | | | 1 | 19 | 80 |

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 |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| R | Transparent glass |
| P | Colored glass |
| P | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| R | 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 |
| | 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 |
| R | Chlorite |
| R | Zircon |
| T | Apatite |
| P | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.18

Expedition: 375 Observer: MW

Site: 1520 Hole: D Core: 151F Sect.: 1 Interval: 54

Sediment Name: osG

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.18

Expedition: 375 Observer: RH

Site: 1520 Hole: D Core: 15 Sect.: 1 Interval: 105

Sediment Name: AS4

| 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 | 75 | 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 |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| A | Colored glass |
| R | Volcanic lithics |
| T | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| T | Pyrite |
| | 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 |
| 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 |
| T | Amphibole |
| | Micas |
| | Chlorite |
| R | Zircon |
| R | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 7.6.18

Expedition: 375 Observer: [illegible]

Site: 1500 Hole: D Core: 15 Sect.: 4 Interval: 73

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 |
| | | | | 40 | 40 | 20 |

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 |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| D | Transparent glass |
| D | Colored glass |
| R | Volcanic lithics |
| T | 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 |
| P | Nannofossils |
| P | 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 |
| P | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| P | Opaque Grain |
| P | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| R | Alkali-F |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/26/18

Expedition: 375 Observer: OLIV

Site: 1520 Hole: D Core: 15H Sect.: 3A Interval: 97

Sediment Name: Sponge spicule sandy silt with pyrite siliceous.

| 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 | 65 | 10 |

Select one and check.

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 4/26/98

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 16H Sect.: 2A Interval: 50

Sediment Name: silty clay

| 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 |
| | | | | 1 | 30 | 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** |
| | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| B | Colored glass |
| P | Volcanic lithics |
| P | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| P | Pyrite |
| P | Calcite |
| | Dolomite |
| | Zeolites |
| T | Fe/Mn oxide |
| | Other (specify): |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| P | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| | Diatom |
| | Radiolarian |
| | Sillicoflagellate |
| B | Sponge Spicule |
| | |
| | **Other bioclasts** |
| | Mollusk |
| | Echinoderm |
| | Benthic foraminifer |
| | Other bioclast (specify) |
| | |
| | **Minor Other Grain Types** |
| | Phosphate (bones, teeth, etc) |
| T | 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 |
| T | Pyroxene |
| | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| T | Apatite |
| P | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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[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: 27.4.18

Expedition: 375

Observer: hcu

Site: 1520 Hole: D Core: 17 Sect.: 3 Interval: 58

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 | 70 | 10 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| P | Quartz |
| P | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| T | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| T | Transparent glass |
| P | 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** |
| R | 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 |
| T | Amphibole |
| T | Micas |
| T | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 07.6.18

Expedition: 375 Observer: Ku

Site: 7500 Hole: D Core: 20 F Sect.: 1 Interval: 32

Sediment Name: Silt

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material | Percent Texture | | |
|---|---|---|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | | Sand | Silt | Clay |
| | | | | | 80 | 20 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| A | Quartz |
| C | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| T | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| T | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| T | Colored glass |
| C | 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 |
| 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 |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| T | Chlorite |
| T | Zircon |
| R | Apatite |
| R | Opaque Grain |
| R | Glauconite |
| P | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 27.4.78

Expedition: 375 Observer: RM

Site: 1320 Hole: D Core: 20F Sect.: 1 Interval: 50

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 |
| | | | | | 30 | 70 |

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 |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| R | Colored glass |
| P | Volcanic lithics |
| P | 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 |
| | |
| | |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Minor Mineral Grain Types** |
| | Olivine |
| T | Pyroxene |
| T | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| T | Apatite |
| P | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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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: 27.9.11

Expedition: 375 Observer: Nu

Site: U1520 Hole: D Core: 20F Sect.: 1 Interval: 127

Sediment Name: ash with mud

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 00 | 30 | 50 |

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

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| C | Nannofossils |
| P | 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 |
| | |
| | |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Minor Mineral Grain Types** |
| | Olivine |
| P | Pyroxene |
| R | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| T | Apatite |
| T | Opaque Grain |
| T | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
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[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: Sample contaminated by background Sed.

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375

Observer: Ra

Site: 1520 Hole: D Core: 22F Sect.: 2 Interval: 60

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 |
| | | | | 40 | 60 | |

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 |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| | Colored glass |
| R | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| | 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 |
| T | 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 |
| R | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: RG

Site: 1520 Hole: C Core: 22F Sect.: 2 Interval: 81

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 | 70 | 10 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| P | Feldspars |
| P | 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 |
| 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 |
| | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.9.18

Expedition: 375 Observer: RM

Site: 1520 Hole: D Core: 22F Sect.: 2 Interval: 96

Sediment Name: silty clay

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| | 30 | 70 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| P | Quartz |
| C | Feldspars |
| A | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| T | Chert |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| T | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| T | Colored glass |
| | 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 |
| P | Foraminifers |
| | Siliceous |
| T | 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 |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| T | Apatite |
| P | Opaque Grain |
| R | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: RM

Site: 1520 Hole: D Core: 26F Sect.: 1 Interval: 100

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 |
| | | | | 70 | 20 | 10 |

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 |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| | Colored glass |
| T | 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 |
| 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 |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.9.18

Expedition: 375 Observer: Ru

Site: 1530 Hole: D Core: 26F Sect.: 2 Interval: 9

Sediment Name: Qsh

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 60 | 40 | |

| 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 |
| | 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 |
| | Pyroxene |
| R | Amphibole |
| R | Micas |
| | Chlorite |
| | Zircon |
| T | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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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: OCIV

Site: 1520 Hole: D Core: 26F Sect.: 2A Interval: 56

Sediment Name: nannofossil ooze or nannofossil chalk silty?
-should be with water ransom data

| 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 |
| | | | | 1 | 20 | 80 |

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 |
| T | Colored glass |
| P | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | Authigenic components |
| T | 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 |
| D | Nannofossils |
| P | 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 |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.5.17

Expedition: 375 Observer: IG4

Site: 1520 Hole: D Core: 26F Sect.: 2 Interval: 20

Sediment Name: AS4

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material | Percent Texture | | |
|---|---|---|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | | Sand | Silt | Clay |
| | | | | 30 | 70 | |

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** |
| M | Transparent glass |
| T | Colored glass |
| T | Volcanic lithics |
| T | 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 |
| 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 |
| | Pyroxene |
| R | Amphibole |
| R | Micas |
| | Chlorite |
| | Zircon |
| T | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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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: DCIV

Site: 1520 Hole: D Core: 26F Sect.: 3A Interval: 70

Sediment Name: silty clay nannofossils rich

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| V | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| / | 30 | 70 |

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

[1] List under remarks if possible

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| A | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| | 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 |
| | 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 |
| T | Apatite |
| B | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.11

Expedition: 375 Observer: Ma

Site: 1520 Hole: D Core: 26F Sect.: 4 Interval: 2cm

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 |
| | | | | 30 | 50 | 20 |

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 |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| | Colored glass |
| T | 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 |
| | 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 |
| P | Micas |
| | Chlorite |
| | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.

Expedition: 375 Observer: Ru

Site: 1520 Hole: D Core: 27F Sect.: 1F Interval: 98

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 | 50 | 30 |

Select one and check.

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

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 27. Apr. 2018

Expedition: 375 Observer: NJOPA

Site: 1520 Hole: D Core: 27F Sect.: 2A Interval: 55

Sediment Name: volcaniclastic silt

| 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 | 60 | 10 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| C | Feldspars |
| D | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| | Colored glass |
| T | Volcanic lithics |
| T | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| TR | 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 |
| P | Foraminifers |
| | Siliceous |
| | 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 |
| R | Pyroxene |
| R | Amphibole |
| T | Micas Bt |
| T | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| TR | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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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: 1520 Hole: D Core: 27F Sect.: 2A Interval: 70

Sediment Name: nannofossil ooze

| 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 |
| | | | | / | 15 | 85 |

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** |
| C | Transparent glass |
| B | Colored glass |
| P | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| T | 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 |
| D | Nannofossils |
| D | 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 |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 29.4.19

Expedition: 375

Observer: MG

Site: 1520 Hole: D Core: 27 F Sect.: 2 Interval: 85

Sediment Name: asg

| 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 | 50 | 30 |

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 |
| T | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| T | Colored glass |
| P | Volcanic lithics |
| T | 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 |
| 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 |
| R | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.19

Expedition: 375 Observer: Mu

Site: 1520 Hole: D Core: 27F Sect.: 3 A Interval: 3

Sediment Name: 9J4

| 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** |
| T | Quartz |
| C | 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 |
| 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 |
| 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 |
| P | Amphibole |
| T | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: Ru

Site: 1520 Hole: D Core: 27F Sect.: 3 Interval: 79

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 |
| | | | | | 90 | 10 |

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 |
| | Colored glass |
| T | Volcanic lithics |
| | 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 |
| R | Nannofossils |
| R | 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 |
| T | Amphibole |
| T | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.17

Expedition: 375 Observer: Mu

Site: 1520 Hole: D Core: 28 F Sect.: 1 Interval: 83

Sediment Name: Ark

| 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 | 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** |
| T | Transparent glass |
| T | Colored glass |
| | Volcanic lithics |
| T | 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** |
| 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 |
| R | Pyroxene |
| T | Amphibole |
| T | Micas |
| | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 1/27/18

Expedition: 375 Observer:

Site: 1520 Hole: D Core: 28F Sect.: 1A Interval: 98

Sediment Name: silty clay 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 |
| | | | | 1 | 25 | 75 |

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 |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| P | Colored glass |
| C | Volcanic lithics |
| | 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 |
| A | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| | 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 |
| | 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 |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: Rm

Site: 1520 Hole: D Core: 28F Sect.: 2 Interval: 5

Sediment Name: volcaniclastic sand

| 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 | 30 | |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| C | Feldspars |
| T | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| R | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| T | Colored glass |
| C | 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 |
| 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 |
| 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 |
| P | Micas |
| | Chlorite |
| T | Zircon |
| T | Apatite |
| P | Opaque Grain |
| R | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
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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: OCIV

Site: 1520 Hole: D Core: 28F Sect.: 4A Interval: 20

Sediment Name: sandy silt

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| √ | | | |

Select one and check.

| Granular Sediment | | | Other material | Percent Texture | | |
|---|---|---|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | | Sand | Silt | Clay |
| | | | | 40 | 50 | 10 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| A | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| C | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| T | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| R | Colored glass |
| C | Volcanic lithics |
| P | 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 |
| R | Nannofossils |
| P | 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 |
| P | Pyroxene |
| R | Amphibole |
| | Micas |
| | Chlorite |
| R | Zircon |
| T | Apatite |
| R | Opaque Grain |
| R | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 27. Apr. 2018

Expedition: 375 Observer: NODA

Site: 1520 Hole: D Core: 30F Sect.: 3A Interval: 43

Sediment Name: silty clay with nannofossils

| 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 | 25 | 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** |
| | Chert |
| | Mudstone |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| R | Transparent glass |
| T | Colored glass |
| R | Volcanic lithics |
| R | 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 |
| A | 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 |
| | 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 Bt |
| | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

## 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.98

Expedition: 375 Observer: Ru

Site: 1500 Hole: D Core: 33 X Sect.: 2 Interval: 17

Sediment Name: (clays) Silt 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 |
| | | | | 10 | 50 | 40 |

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 |
| C | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| | Colored glass |
| C | Volcanic lithics |
| P | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| R | Pyrite |
| | 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 |
| A | 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 |
| | 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 |
| C | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| R | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| T | Other (specify): |
| | glauconite |
| | |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: Izu

Site: 1520 Hole: D Core: 35X Sect.: 1 Interval: 59

Sediment Name: silty clay

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| | 40 | 60 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| C | Feldspars |
| A | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | 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** |
| R | Pyrite |
| | Calcite |
| | Dolomite |
| T | 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 |
| | 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 |
| T | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.17

Expedition: 375 Observer: Ru

Site: 1500 Hole: D Core: 35X Sect.: 7 Interval: 68

Sediment Name: sandy silt

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| 30 | 60 | 10 |

| 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 |
| | Metamorphic lithic |
| T | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| | Colored glass |
| C | Volcanic lithics |
| T | 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 |
| R | Foraminifers |
| | Siliceous |
| | 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 |
| R | Pyroxene |
| P | Amphibole |
| | Micas |
| | Chlorite |
| R | Zircon |
| R | Apatite |
| P | Opaque Grain |
| R | Glauconite |
| R | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: NH

Site: 1520 Hole: D Core: 35X Sect.: 7 Interval: 75

Sediment Name: muddy ooze?

| 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 | 20 | 65 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| R | Feldspars |
| R | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| P | Chert |
| | Mudstone |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| T | Colored glass |
| | Volcanic lithics |
| | 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 |
| D | Nannofossils |
| D | Foraminifers |
| | Siliceous |
| T | Diatom |
| T | Radiolarian |
| | Sillicoflagellate |
| P | 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 |
| T | Amphibole |
| TC | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.17

Expedition: 375 Observer: RM

Site: 7520 Hole: D Core: 35X Sect.: CC Interval: 3-

Sediment Name: MS

| 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** |
| | Quartz |
| P | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| T | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| | Colored glass |
| R | 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 |
| F | 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 |
| R | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.19

Expedition: 375 Observer: Ilq

Site: 1520 Hole: D Core: 38X Sect.: CC Interval: 29

Sediment Name: silty clay with nanno

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

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Pelagic Grains** |
| | Calcareous |
| C | Nannofossils |
| C | Foraminifers |
| | Siliceous |
| | 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 |
| | |
| | |
| | |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Minor Mineral Grain Types** |
| | Olivine |
| T | Pyroxene |
| R | Amphibole |
| T | Micas |
| T | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| R | Glauconite |
| R | Cacite detrital |
| | Other (specify): |
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[1] List under remarks if possible

Abundances like in 375 Methods-C-Table 2

Remarks: some enrichement of silt in the slide

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375 Observer: Ma

Site: 1520 Hole: D Core: 38X Sect.: CC Interval: 37

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 |
| | | | | 30 | 50 | 20 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| P | Feldspars |
| R | 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 |
| 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 |
| 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 |
| D | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| T | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 28.4.18

Expedition: 375

Observer: RH

Site: 1520 Hole: U Core: 39 X Sect.: 2 Interval: 44

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 | 40 | 10 |

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 |
| | 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** |
| F | 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 |
| 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 |
| | |
| | |
| | |

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 |
| | Chlorite |
| | Zircon |
| T | Apatite |
| | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/28/18

Expedition: 375 Observer: OLIV

Site: 1520 Hole: D Core: 39X Sect.: 2A Interval: 50

Sediment Name: silty clay

| 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 |
| | | | | 1 | 25 | 75 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| C | Quartz |
| D | Feldspars |
| A | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| D | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| R | Colored glass |
| C | Volcanic lithics |
| | 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 |
| P | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| | 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 |
| T | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 09.4.18

Expedition: 375

Observer: Hu

Site: 1500 Hole: D Core: 38X Sect.: 2 Interval: 141

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 | 70 | 10 |

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** |
| T | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| D | Transparent glass |
| | Colored glass |
| | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| C | 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** |
| 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 |
| | Pyroxene |
| R | Amphibole |
| | Micas |
| T | Chlorite |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 29.4.16

Expedition: 375

Observer: NM

Site: 1520 Hole: D Core: 39X Sect.: 3 Interval: 23

Sediment Name: Ash

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material |
|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | |
| | | | |

Select one and check.

| Percent Texture | | |
|---|---|---|
| Sand | Silt | Clay |
| | 70 | 30 |

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| P | Feldspars |
| | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| T | Transparent glass |
| T | Colored glass |
| P | 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 |
| | 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 |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| R | Other (specify): Allanite |
| | |
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| | |

Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 29.4.18

Expedition: 375 Observer: RG

Site: 1520 Hole: D Core: 39X Sect.: 5 Interval: 65-

Sediment Name: PCL

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material | Percent Texture | | |
|---|---|---|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | | Sand | Silt | Clay |
| | | | | 40 | 40 | 20 |

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 |
| | Mudstone |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| T | Colored glass |
| P | 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 |
| | 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 |
| | Pyroxene |
| T | Amphibole |
| T | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition: 375 Observer: RM

Site: 1520 Hole: D Core: 40X Sect.: ~~2~~ 1 Interval: 59

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 | 60 | 30 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| C | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| R | Chert |
| I | Mudstone |
| I | 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** |
| 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 |
| 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 |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition: 375 Observer: RG

Site: 1520 Hole: D Core: 40 X Sect.: CC Interval: 40

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 |
| | | | | 10 | 70 | 20 |

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 |
| 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 |
| T | Pyroxene |
| R | Amphibole |
| T | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/28/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 41X Sect.: 1A Interval: 85

Sediment Name: silty clay 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 |
| | | | | / | 30 | 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** |
| | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| P | Colored glass |
| P | Volcanic lithics |
| | 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 |
| P | Foraminifers |
| | Siliceous |
| | 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 |
| T | Pyroxene |
| T | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| | Apatite |
| B | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition: 375 Observer: Na

Site: 1520 Hole: D Core: 44X Sect.: 1 Interval: 85

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 | 40 | 50 |

Select one and check.

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 4/28/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 44X Sect.: 1A Interval: 85

Sediment Name: silty clay

| 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 |
| | | | | 1 | 25 | 75 |

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** |
| R | Chert |
| | Mudstone |
| C | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| P | Colored glass |
| C | Volcanic lithics |
| R | 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 |
| P | Nannofossils |
| P | Foraminifers |
| | Siliceous |
| | Diatom |
| R | 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 |
| R | Zircon |
| T | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition:

Observer: NH

Site: U1520 Hole: B Core: 47X Sect.: 1A Interval: 2D

Sediment Name: ASC

| Smear Slide | Thin Section | Coarse Fraction | Grain Mount |
|---|---|---|---|
| | | | |

Select one and check.

| Granular Sediment | | | Other material | Percent Texture | | |
|---|---|---|---|---|---|---|
| Siliciclastic | Volcaniclastic | Pelagic | | Sand | Silt | Clay |
| | | | | 40 | 50 | 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 |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| MR | Transparent glass |
| | Colored glass |
| | 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 |
| | 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 |
| R | Pyroxene |
| R | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 30.9.18

Expedition: 375

Observer: Ma

Site: 1520 Hole: D Core: 47X Sect.: 4A Interval: 57

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 |
| | | | | | 25 | 75 |

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** |
| R | Chert |
| | Mudstone |
| P | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| R | Colored glass |
| P | Volcanic lithics |
| R | 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 |
| P | 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 |
| | 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 |
| T | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 30.9.98

Expedition: 375 Observer: Ru

Site: 1520 Hole: D Core: 49X Sect.: CC Interval: 31

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 | 60 | 20 |

Select one and check.

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition: 375

Observer: Na

Site: 1520 Hole: D Core: 50X Sect.: CC Interval: 34

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 |
| | | | | 40 | 60 | |

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 |
| | Mudstone |
| R | 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** |
| 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 |
| | 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 |
| R | Pyroxene |
| | Amphibole |
| T | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 4/29/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 51X Sect.: 1W Interval: 16

Sediment Name: volcaniclastic sandy silt with nannofossils org mat? 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 |
| | | | | 35 | 50 | 15 |

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 |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| P | Colored glass |
| R | Volcanic lithics |
| | 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** |
| A, C | Calcareous |
| | Nannofossils |
| R | Foraminifers |
| | **Siliceous** |
| | Diatom |
| R | 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 |
| | Amphibole |
| | Micas |
| R | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| T | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 30.E.18

Expedition: 375

Observer: RG

Site: 1520 Hole: D Core: 57X Sect.: 1 Interval: 25

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 30.4.18

Expedition: 375

Observer: Ilu

Site: 1520 Hole: D Core: 57X Sect.: 1A Interval: 35

Sediment Name: Ts4

| 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 |
| P | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| T | 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 |
| P | 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 |
| R | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
| | |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/29/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 51X Sect.: 1W Interval: 108

Sediment Name: marl

| 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 | 15 | 80 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| R | Quartz |
| T | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| | Colored glass |
| P | 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 |
| D | 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 |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| T | Opaque Grain |
| | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 29. Apr. 2018

Expedition: 375 Observer: NDPA

Site: 1520 Hole: D Core: 53X Sect.: 1A Interval: 11

Sediment Name: marl

| 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 | 38 | 60 |

Select one and check.

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

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 4/29/18

Expedition: 375 Observer: OLN

Site: 1540 Hole: D Core: 35X Sect.: 1A Interval: 68

Sediment Name: marl

| 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 |
| | | | | / | 10 | 90 |

Select one and check.

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

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 5/1/18

Expedition: 375 Observer: OCIV

Site: 1520 Hole: D Core: 61X Sect.: 1A Interval: 21

Sediment Name: marl

| 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 |
| | | | | 1 | 5 | 95 |

Select one and check.

| T/R/P/C/A/D/M | Composition |
|---|---|
| | **Major Siliciclastic Grain Types** |
| | Quartz |
| | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| P | Transparent glass |
| | Colored glass |
| R | 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 |
| A | Nannofossils |
| P | 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 |
| | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| T | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 2.5.18

Expedition: 375

Observer: RM

Site: U320 Hole: D Core: 58 Sect.: 1 Interval: 30

Sediment Name: Ash/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 | 70 | 10 |

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 |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| M | Transparent glass |
| T | Colored glass |
| P | Volcanic lithics |
| T | 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 |
| | 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 |
| R | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 2.5.18

Expedition: 375 58X Observer: RC

Site: 1520 Hole: D Core: ~~59X~~ Sect.: 1 Interval: 36

Sediment Name: Marl

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

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 2 Jul 18

Expedition: 375 Observer: RG

Site: 1520 Hole: D Core: 60X Sect.: 1 Interval: 14

Sediment Name: Ash/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 | 50 | 30 |

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 |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| G | Transparent glass |
| D | Colored glass |
| C | Volcanic lithics |
| | Altered volcanic(e.g. palagonite) |
| | |
| | **Authigenic components** |
| R | Pyrite |
| | 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 |
| F | 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** |
| T | Olivine |
| P | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 2.5.18

Expedition: 375 Observer: MG

Site: 1520 Hole: D Core: 62 Sect.: 2 Interval: 39

Sediment Name: Ash / 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 |
| | | | | 40 | 40 | 20 |

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 |
| T | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| | 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 |
| P | 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 |
| R | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| R | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 2.5.11

Expedition: 375

Observer: RM

Site: 1500 Hole: D Core: 62 Sect.: 2 Interval: 30

Sediment Name: ash with 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 | 50 | 30 |

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 |
| R | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| A | Transparent glass |
| A | Colored glass |
| C | 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** |
| F | Nannofossils |
| F | 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** |
| T | Olivine |
| P | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| P | Opaque Grain |
| | Glauconite |
| T | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 2 May 2018

Expedition: 375 Observer: NDA

Site: 1520 Hole: D Core: 64X Sect.: 3A Interval: 11

Sediment Name: marl

| 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** |
| R | Quartz |
| R | Feldspars |
| C | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| G | Transparent glass |
| G | Colored glass |
| | Volcanic lithics |
| P | Altered volcanic(~~e.g. palagonite~~) |
| | colored glass |
| | **Authigenic components** |
| R | Pyrite |
| A | 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 |
| P | 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 |
| T | Pyroxene |
| T | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

## 375 Methods-C-F7

# Sediment Smear Slide / Thin Section Description Sheet

Date: 2 May 2018

Expedition: 375 Observer: NOPA

Site: 1520 Hole: D Core: 64X Sect.: 4A Interval: 26

Sediment Name: ash mixed with marl

| 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** |
| R | Quartz |
| P | Feldspars |
| P | Clay minerals |
| | |
| | **Lithic Grains** |
| | **Sedimentary Lithics** |
| | Chert |
| | Mudstone |
| | Siltstone/sandstone |
| | Limestone |
| | Metamorphic lithic |
| | Plutonic lithic |
| | |
| | **Volcaniclastic Grains** |
| C | Transparent glass |
| T | Colored glass |
| | Volcanic lithics |
| A | 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 |
| | Foraminifers |
| | **Siliceous** |
| T | Diatom |
| T | Radiolarian |
| | Sillicoflagellate |
| | 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 |
| R | Pyroxene |
| | Amphibole |
| | Micas |
| | Chlorite |
| | Zircon |
| | Apatite |
| | Opaque Grain |
| | Glauconite |
| | Cacite detrital |
| | Other (specify): |
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Remarks:

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

# 375 Methods-C-F7

## Sediment Smear Slide / Thin Section Description Sheet

Date: 2. May. 2018

Expedition: 375 Observer: NoDA

Site: 1520 Hole: D Core: 64X Sect.: CC-A Interval: 9

Sediment Name: marl

| 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 |
| | | | | 5 | 25 | 70 |

Select one and check.

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

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