| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 2F | 1A | 102 | 551 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| TR | Chlorite ? blue transparent grain? |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Diatom & Spong spicule fragments. full diatoms present. Silt size mineral grains and diatom & spicule fragments.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 2F | 2A | 72 | SS2 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 8 | 92 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians |
| A | Diatoms |
| | Silicoflagellates |
| A | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Few diatoms present. Texture is mostly clay so abundances of biogenics is very relative. Radiolarian fragments present.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 2F | 4A | 50 | SS3 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 5 | 95 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Texture is mostly clay so abundance of biogenic material is very relative. Diatom, spicule & radiolarian fragments compose majority of silt size fraction.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 3F | 2A | 63 | SS4 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

fragments of diatoms & sponge spicules.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 4F | 1A | 80 | 555 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Diatom & Sponge spicule fragments.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1372 | C | 4F | 3A | 90 | 556 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

fragments of diatoms & sponge spicules.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 5F | 1A | 40 | SS 7 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

diatom & sponge spicule fragments. Full diatom present, silt size

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 5F | 3A | 102 | SS 8 |

| Observer | JR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TT | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

diatom & sponge spicule fragments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | 1 | 19 | 559 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 35 | 63 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Mineral-rich!
Siliceous rich!

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | 1 | 72 | SS 10 |

| Observer | CS |
|---|---|

LITHOLOGY: SILT (dominant) CLAY (minor)

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=100%)

Biosiliceous rich

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1 | 59 | 40 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| C | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

tentative: fungal spore for Mancelo

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | 1 | 94 | SS 11 |

| Observer | CS |
|---|---|

LITHOLOGY: biosiliceous ooze (dominant) clay (minor)

COMPOSITION: % Terrigenous 2 % Biogenic 98 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 98 | 2 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| TR | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Few coarse-silt sized mineral grains

Sampled white lenses

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | 2 | 82 | 5512 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 88 % Biogenic 12 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 18 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| TR | Muscovite |
| C | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms fragments |
| | Silicoflagellates |
| TR | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | 3 | 51.5 | SS 13 |

| Observer | CS |
|---|---|

LITHOLOGY: Silt (dominant) Clay (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 65 | 35 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| C | Muscovite |
| A | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| — | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms X fragments |
| | Silicoflagellates |
| | Sponge spicules X |
| A | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

diatom + spicule fragments

chlorite may be retrograde min. phase

For worksheet only:
roundish impurity-filled brownish grains, mod. low birefringence
n.b. NOT glauconite
→ (anomalous blue extinction)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 6F | A | 28 | SS 14 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 7 | 1 | 70 | SS 15 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 97 % Biogenic 3 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms X R |
| | Silicoflagellates |
| | Sponge spicules X R |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

biog: tiny fragments

mineral: V. fine silt size

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 7 | 3 | 47 | 5516 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms X v. fine fragments |
| | Silicoflagellates |
| | Sponge spicules X " " " |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**
very fine silt = mineral grains

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 7 | 3 | 106 | SS 17 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms X |
| | Silicoflagellates |
| | Sponge spicules X |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Min unknown ("woven" texture) persists

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 7 | 4 | 45 | ss 18 |

| Observer | CS |
|---|---|

LITHOLOGY: CLAY (dominant) _____ (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1 | 10 | 89 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| C | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms X tiny fragments (silt size) |
| | Silicoflagellates |
| | Sponge spicules X " " |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**
Quartz is coarse silt size

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 7 | 3 | 64 | SS 19 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 65 % Biogenic 35 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 40 | 60 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
>50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| A | Diatoms |
| | Silicoflagellates |
| A | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

biog = all broken fragments

mineral: very fine silt size

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | U1532 | C | 8F | 1 | 80 | ss20 |

| Observer | Night Shift |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 88 % Biogenic 12 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| 10% | Diatoms |
| | Silicoflagellates |
| 1% | Sponge spicules |
| 1% | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

biosiliceous-bearing silty clay

- diatom fragments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 9F | 4 | 30 | ss 21 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 9 % Biogenic 91 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 90 | 10 | |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| R | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| A | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

opal (C.D. says so!)

rare whole centric diatoms

very small high-relief spheres (~2 μm diameter) transparent, don't show up in cross polars (isotropic)

garnet? (Sandra)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 10.F | 1 | 46 | ss 22 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: biosiliceous-rich silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 5 | 20 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| TR | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| TR | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| TR | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

CS

CS

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

serp/talc "fish-scale" complex present

whole diatoms!

possible garnet spheres (hi-relief, isotropic)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 579 | 1532 | C | 10F | 1 | 50 | SS 23 |

| Observer | |
|---|---|

LITHOLOGY: biosilic.-bearing silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic 20 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 5 | 20 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| A | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

talc (?) filaments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 41532 | C | 11F | 2 | 136 | SS24 |

| Observer | Sandra |
|---|---|

LITHOLOGY: clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 91% % Biogenic 9% (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 2 | 96 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| <1% | Radiolarians |
| 5% | Diatoms |
| | Silicoflagellates |
| 2% | Sponge spicules |
| 2% | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 41532 | C | 11F | 3 | 15 | 5525 |

| Observer | Sandra |
|---|---|

LITHOLOGY: biosiliceous-bearing clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 84 % Biogenic 16 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 3 | 3 | 94 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| 1% | Radiolarians |
| 10% | Diatoms |
| | Silicoflagellates |
| 3% | Sponge spicules |
| 2% | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 11F | 3 | 65 | ~526 |

| Observer | Sandra |
|---|---|

LITHOLOGY: clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 96 % Biogenic 4% (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 2 | 96 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| TR | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| 3% | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| 1% | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

high-relief rounded and pitted sand grain, isotropic: garnet?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 41532 | C | 11F | 1 | 67 | ss 27 |

| Observer | Sandra |
|---|---|

LITHOLOGY: Silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 94% % Biogenic 6% (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 3 | 30 | 67 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| 5% | Diatoms |
| | Silicoflagellates |
| 1% | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

garnet ?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 12F | 1 | 50 | 5528 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 83 % Biogenic 7 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1 | 10 | 89 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 12F | 2 | 50 | ss29 |

| Observer | Li |
|---|---|

LITHOLOGY: Mud. (dominant) siliceous bearing (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 25 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 12F | 3 | 55 | ss30 |

| Observer | Li |
|---|---|

LITHOLOGY: Mud (dominant) biosiliceous-bearing (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 0 | 22 | 78 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 378 | 1532 | C | 14 | 1 | 125.5 | SS31 |

| Observer | Li |
|---|---|

LITHOLOGY: clay (dominant) biosiliceous-bearing (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 12 | 88 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 14 | 1 | 120.5 | S532 |

| Observer | Li |
|---|---|

↳ light-colored thin layer } silt layer

LITHOLOGY: Silt (dominant) biosiliceous-bearing (minor) 0

COMPOSITION: % Terrigenous 95% % Biogenic 5% (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 85 | 15 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| R | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| C | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| TR | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms ✓ Fragments |
| | Silicoflagellates |
| C | Sponge spicules ✓ |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1531 | C | 15F | 2 | 72 | ss 33 |

| Observer | Benedict |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 5 | 20 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Clay component clumped into dark aggregations (slide prep)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 15 | 3 | 64 | SS34 |

| Observer | CS |
|---|---|

LITHOLOGY: Silt (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 95 | 5 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| D | Quartz see photo |
| C | Feldspar |
| | K-feldspar |
| C | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| C | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| TR | Garnet |
| TR | Pyroxene photo |
| R | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

No biogenic component.
Grains are coarse silt size & diverse mineralogy.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 16 | 1 | 45 | 55 35 |

| Observer | CS |
|---|---|

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 16 | 2 | 103 | ss 36 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic <1 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 97 | 1 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| D | Feldspar |
| | K-feldspar |
| A | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| R | Euhedral crystals |
| TR | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| C | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Subhedral pyroxene

Some vitric grains

See photomicrographs

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 17F | 2A | 72 | SS37 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 90 | 10 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

very small mineral grains and difficult to identify specific component.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 1 | 28 | 38 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 97 | 1 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| | Feldspar |
| A | K-feldspar |
| C | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| X | Euhedral crystals Zrn, Apa |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| R | Biotite FRESH |
| | Muscovite |
| R | Chlorite FRESH |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| R | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Original is missing?

| Leg | Site | Hole | Core | Section | ~~Position (cm)~~ in core depth | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 1 | 253.78 | SS 38 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 97 | 1 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| | Feldspar |
| | K-feldspar |
| A | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals X apa |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| R | Biotite |
| TR | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms fragm |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Quartz grains extremely angular: sharp

Epidote, subhedral

Plag, Qz

Trace: Oliv, Amphib, Apatite

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 18 | 1 | 31 | 39 |

| Observer | CS |
|---|---|

Core depth 253.81 m

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 70 | 28 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| TR | K-feldspar |
| A | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| C | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

V f g silt

~2 grit-sized particles

Pl, Pl

Large quartz, possib hydrothermal
based on abundance of fluid inclusions
one 400x600um grain

Abundance Pl
Qz
Hbl
Ol
opaques (oxides, presumably)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 1 | 28 | 38 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 97 | 1 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| A | K-feldspar |
| C | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| X | Euhedral crystals Zrn, Apa |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| R | Biotite FRESH |
| | Muscovite |
| R | Chlorite FRESH |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| R | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Original is missing?

| Leg | Site | Hole | Core | Section | ~~Position (cm)~~ in core depth | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 1 | 253.78 | SS 38 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 97 | 1 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| A | Quartz |
| | Feldspar |
| | K-feldspar |
| A | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals X apa |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| R | Biotite |
| TR | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms fragm |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Quartz grains extremely angular: Shard

Epidote, subhedral

Plag, Qz

Trace: Oliv, Amphib, Apatite

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 2 | 77 | 410 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| A | Feldspar |
| | K-feldspar |
| A | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| TR | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

V fine silt ⇒ min grains

TR: Epidote, subhedral

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 18 | 2 | 6 | SS 41 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| C | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

with grains V fine silt size
Mu - large silt size
one glass spicule

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 19 | 2 | 73 | SS 42 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| | Feldspar |
| C | K-feldspar |
| C | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 19 | 2 | 115.5 | ss 43 |

| Observer | CS |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| C | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

mineral fraction, V fine silt (grain)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 22X | 2A | 104 | SS44 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| TT | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TT | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TT | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

clay clumps with silt size mineral grains, diatom & sponge spicule fragments.

- spherical glass balls?
"Spherule" - splash of ash upon a meteor impact
tektite?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 22X | 3A | 17 | 8145 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| R | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Diatom / Spicule Fragments

- Spherical glass bars

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 22X | CC | 29 | SS46 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| TR | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 22X | 3A | 92 | SS47 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 97 % Biogenic 3 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 13 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| TR | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 1 | 139 | ss48 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≦1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

taken from dark lamination
removed 3 lg sand grains to make ss lie flat

glauconite!

talc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 4 | 74 | ss49 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 60 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| R | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| TR | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

taken right before onset of green "IRD"-rich unit

contains TR glauc. still

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 4 | 75 | ss 50 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 5 | 10 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| TR! | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

taken from top of green clast rich unit

lots of clumped algae-looking aggregations; glauconite?

talc ?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 4 | 83 | ss61 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: Clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 5 | 95 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| TR | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite ~20 % |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

taken midway thru green clast-rich unit

common glauc / algae - fecal pellets aggregates (green)
↳ compose sand-size frac...

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 4 | 129 | ss52 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| TR? | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

taken from transitional unit b/w green-clast-rich unit and dark gray laminated unit

serp/talc complex

glauc / aggregate ~~rich~~ (rare)

dark stuff - artifacts?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 5 | 19 | SS53 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = TR (trace)
1% - 10% = R (rare)
10% - 25% = C (common)
25% - 50% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| R | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| A | Glauconite - 30% |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

in transitional unit

glauc-rich

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 7 | 15 | SS54 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: Silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| A | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

in dark-gray laminated unit

glauc-rich

talc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 23X | 2 | 138 | ss55 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 25 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

glauc-rich

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 24X | 4 | 80 | ss56 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| R | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

talc filament
serp.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1352 | C | 25X | 2 | 75 | SS 57 |

| Observer | CD + Benny |
|---|---|

LITHOLOGY: Silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 26X | 2 | 40 | ss58 |

| Observer | Night Shift |
|---|---|

LITHOLOGY: biosil-bearing clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1 | 4 | 95 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| A | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians fragments |
| TR | Diatoms pennate |
| | Silicoflagellates |
| C | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

diatom fragments

talc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 26X | 2 | 110 | SS 59 |

| Observer | Mitt Shift |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 97 % Biogenic 3 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| TR | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 26X | CC | 10 | SS61 |

| Observer | Night Shift |
|---|---|

LITHOLOGY: biosil-bearing silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 5 | 15 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| TR | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| TR | Radiolarians - fragments |
| | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

talc

large olivine grain! } Sandra
hornblende!

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 26X | 2 | 145 | 5560 |

| Observer | Night Shift |
|---|---|

LITHOLOGY: clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 97 % Biogenic 3% (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1% | 4% | 95% |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| 3% | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

diatom fragments?

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 27X | 4 | 84 | ss 62 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 29X | 5 | 137 | ss 63 |

| Observer | Ruthie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 3 | 20 | 77 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| R | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| K | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| F | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

talcen from green splotch!

talc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 29X | 6 | 56-57 | ssC1 |

| Observer | COH |
|---|---|

LITHOLOGY: Silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 0 | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| R | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 29X | 6 | 120 | SS64 |

| Observer | Guthrie |
|---|---|

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 15 | 85 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Lots of talc / talc fiber complexes very fine silt

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 30X | 2A | 103 | SS46 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 30 | 70 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| C | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| R | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 30X | 6A | 67 | SS67 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 30X | 5A | 10 | SS68 |

| Observer | PR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 40 | 60 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| R | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Thin silt laminae.
Grains are very angular.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 31X | 1A | 81 | SS 69 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 12 | 88 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

very fine silt grains.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 31X | 2A | 121.5 | 5570 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 20 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| TR | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 31X | 3A | 28 | SS71 |

| Observer | PR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 23 | 75 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| TR | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 32X | 2A | 70 | SS 72 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| TR | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 31X | 5A | 74 | SS73 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 2 | 18 | 80 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| TR | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| TR | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

TR siliceous debris, sponge spicule? (pitted rounded)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 32X | 6A | 122.5 | 8574 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 98 % Biogenic 2 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| 1 | 10 | 89 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

TR Siliceous debris, sponge spicule & diatom fragments (picture provided)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 33X | 1A | 116 | SS75 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 12 | 88 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| A | Pyrite |
| | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| R | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

pyrite needs to be confirmed.
Fragments of diatoms & sponge spicules

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 33X | 4A | 39 | 5576 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 97 % Biogenic 3 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≦ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Diatom & Sponge spicule fragments TR amount.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|---|---|---|---|---|---|---|
| 379 | 1532 | C | 33X | 2A | 40 | SS 77 |

| Observer | DR |
|---|---|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=100%)

| Siliciclastic texture (%) | | |
|---|---|---|
| % Sand | % Silt | % Clay |
| | 10 | 90 |

( = 100%)

**Abundance Code**
≤ 1% = **TR** (trace)
1% - 10% = **R** (rare)
10% - 25% = **C** (common)
25% - 50% = **A** (abundant)
> 50% = **D** (dominant)

| Ab. Code | Component |
|---|---|
| | **SILICICLASTIC GRAINS/MINERALS** |
| | Framework minerals |
| R | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| | |
| | **VOLCANIC/PLUTONIC GRAINS** |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| | |
| | **ACCESSORY/TRACE MINERALS** |
| | Sheet Silicates |
| TR | Biotite |
| | Muscovite |
| | Chlorite |
| | |
| | Fe-Mg silicates |
| TR | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | |
| | Carbonate |
| | |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | |
| | Opaque Minerals |
| | Pyrite |
| TR | Fe-oxide / Fe-hydroxide |
| | |

| Ab. Code | Component |
|---|---|
| | **BIOGENIC GRAINS** |
| | Calcareous |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | |
| | Siliceous |
| | Radiolarians |
| TR | Diatoms |
| | Silicoflagellates |
| TR | Sponge spicules |
| TR | Siliceous debris (undifferentiated) |
| | |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |
| | |

**Comments:**

Diatom & sponge spicule fragments