

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 82 | 1538 | A | 14 | SA | 75 | |

| Observer | |
|----------|----|
| | SS |

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 25 % Biogenic 75 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| ? | Vitric grain (glass, pumice) |
| ? | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| C | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| C | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty Clay Rich

Diatom ooze

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 82 | 1538 | A | 1H | 3A | 75 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty Clay bearing Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 639 | A | H | GA | 16 | |

Observer

LITHOLOGY: _____ (dominant)

(minor)

COMPOSITION: % Terrigenous

20

% Biogenic

80

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

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

Comments:

Small

Pocket

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 2A | 3A | 35 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 25 % Biogenic 75 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| C | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| R | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| R | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay Rich

Diatom ooze

contains small # of
carbonate grains (< 90%)
+ Forams (< 10%)

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 2A | 3A | 67 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| A | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| ? | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| R | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay Bearing
 Diatom Ooze
 contains small # of
 carbonate grains (cc 10%)

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 392 | 1538 | A | 2H | 7A | 64 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| C | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| C | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| C | Amphibole (hornblende) |
| R | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Biosilica Rich
 Silty clay

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 342 | 1538 | A | 3H | 4A | 71 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| A | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay Rich

Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 311 | 5A | 18 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 55 % Biogenic 45 (=100%)

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| R | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| R | Fe-oxide / Fe-hydroxide |

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

Comments:

Biosilica Rich Silty Clay

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 352 | 539 | A | 4H | 5A | 71 | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>30</u> | <u>70</u> |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| <u>D</u> | Quartz |
| <u>R</u> | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| <u>R</u> | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>C</u> | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay Rich
Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 4H | CC | 5 | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____

(dominant)

(minor)

COMPOSITION: % Terrigenous

35

% Biogenic

65

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

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

Comments:

Silty clay Rich

Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 5H | 2A | 95 | |

| | |
|----------|--------|
| Observer | Desc ✓ |
|----------|--------|

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 100 | 0 |

(= 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate

Rich Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 54 | 4A | 131 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

| Siliciclastic texture (%) | | | |
|---------------------------|-----------|-----------|----------|
| % Sand | % Silt | % Clay | |
| | <u>20</u> | <u>80</u> | (= 100%) |

Abundance Code
 $\leq 1\%$ = 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 |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| C | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Forams v. encrusted
 → greycite?

Silty clay

Rich

Diatom ooze

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 5A | 5A | 33 cm | |

Observer

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Most Forams = very broken

Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 6H | 3A | 74cm | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| R | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Biosilica Rich Diatom rich
 Silty Clay

→ entire core = flow in

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 7H | 2A | 110 cm | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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 |
| D | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silly Clay Bearing
 Diatom ooze ✓

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 2H | 3A | 68 | |

| Observer | AG |
|----------|----|
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 5 % Biogenic 95 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| R | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Foram bearing
Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 7H | 5A | 29 cm | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay

Rich

Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 8H | 2A | 125 cm | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| R | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

| Ab. Code | Component |
|------------------------|--------------------------------------|
| BIOGENIC GRAINS | |
| | <u>Calcareous</u> |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | <u>Siliceous</u> |
| | Radiolarians |
| 0 | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | <u>Others</u> |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Comments:

Silty clay bearing
Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 8H | 3A | 65 | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom Ooze

Silt Clay bearing
diatom ooze /

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 84 | 4A | 125 | |

| | |
|----------|----|
| Observer | AG |
|----------|----|

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 100 | |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate layer

It should be minor

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 582 | 538 | R | 84 | 5A | 81 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 100 | 0 |

(= 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 |
| D | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Ash

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 8H | 5A | 9 | |

| | |
|----------|-----------|
| Observer | AG / ST / |
|----------|-----------|

LITHOLOGY: Clay (dominant) (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom rich silt clay

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| | 1538 | 9H | 2 | 90 | | |

| | |
|----------|------|
| Observer | SO C |
|----------|------|

Major

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>40</u> | <u>60</u> |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments: Gobbles, too thick

diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 9H | 3 | 91 | |

| | |
|----------|-----|
| Observer | SOC |
|----------|-----|

Minor

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate - diagenetic |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| | 1538 | A | 9H | 4 | 128 | |

| Observer | SO C |
|----------|------|
|----------|------|

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=100%)

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| <u>D</u> | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| <u>R</u> | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| <u>TR</u> | <u>Other</u> |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| <u>R</u> | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>TR</u> | <u>Opaque Minerals</u> |
| <u>TR</u> | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty-clay rich -
Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| | 1538 | A | 9H | 5 | 90 | |

| | |
|----------|-----|
| Observer | SOC |
|----------|-----|

Major

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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 |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

silty-clay - rich

diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| | 1538 | A | 9 | 7 | 28 | |

| | |
|----------|-----|
| Observer | SAC |
|----------|-----|

Major

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 54 | 30 | 65 |

(= 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 |
| 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| R | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom-rich -
silty clay

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| | 1538 | A | 10H | 2 | 103 | |

| | |
|----------|-----|
| Observer | SOC |
|----------|-----|

Major City

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| TR | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| TR | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom-bearing silty
clay

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| | 1538 | A | 10H | 5 | 50 | |

| | |
|----------|-----|
| Observer | SOC |
|----------|-----|

MAJOR
CITY

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 36 | 70 |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

silty clay bearing
Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|----|
| | 1538 | A | 10H | 7 | 30 | 30 |

| | |
|----------|-----|
| Observer | SOC |
|----------|-----|

MAJOR

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

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

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

Comments:

~~etc~~
 Biosilica-bearing
 silty clay

DESC-

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 352 | 356 | A | 11H | 1A | 124 cm | |

Observer

LITHOLOGY:

(dominant)

(minor)

COMPOSITION: % Terrigenous

65

% Biogenic

35

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

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

Comments:

Diatom Rich
Silty Clay

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 232 | 1538 | A | 11H | 3A | 70 | |

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

LITHOLOGY: _____

(dominant)

(minor)

COMPOSITION: % Terrigenous

20

% Biogenic

80

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

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

Comments:

Silty Clay Bearing

Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1535 | A | 11H | 7A | 100cm | |

Desc ✓

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

LITHOLOGY: _____

(dominant)

(minor)

COMPOSITION: % Terrigenous

40

% Biogenic

60

(=100%)

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

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

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

Comments:

Silty Clay Rich

Diatom Ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 12H | 1A | 60cm | |

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

LITHOLOGY: _____

COMPOSITION: % Terrigenous

85

% Biogenic 15

(=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 |
| C | 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) |
| D | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom Bearing

Carbonate

/- shaped

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 12H | 4A | 6cm | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 100 | / |

(= 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| None | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate pocket
 Many grains □ - shaped
 → Dolomite

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 382 | 1538 | R | 12H | 4A | 60cm | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom Rich
 Silty clay

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 12A | 7A | 45cm | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| 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 |
| | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay Rich
Diatom ooze

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 13H | 1A | 135 | |

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

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

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

Comments:

Diatom Rich Silty Clay

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1536 | A | 13H | 6A | 75 | |

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

LITHOLOGY: _____

COMPOSITION: % Terrigenous

20

(dominant)

% Biogenic

80

(minor)

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 100 | |

(= 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate bearing
 Nannofossil Rich
 Diatom ooze

→ Forams = very altered + fragmented

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 13# | CC | 29 | |

Descu

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

LITHOLOGY: _____ (dominant)

(minor)

COMPOSITION: % Terrigenous 5 % Biogenic 95

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

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

Comments:

Diatom Ooze

Forams = very altered,
rare + broken

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | S38 | A | 14H | 2A | 128 | |

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

LITHOLOGY: _____ (dominant)

(minor)

COMPOSITION: % Terrigenous 55 % Biogenic 45

(=100%)

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

(= 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) |
| D | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Diatom Rich

Carbonate: /-shaped

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 138 | A | 14 | 3A | 69cm |

DESCR

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

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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 |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Silty clay bearing
Diatom ooze

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 14H | WA | 51 | |

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

LITHOLOGY: _____ (dominant) _____ (minor)
 COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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 |
| C | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Biosilica Bearing

Carbonate

 - shaped

→ + rocks

→ Tephra?

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 32 | 1538 | A | MH | 7A | 31 | |

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

Desc ✓

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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 |
| D | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| A | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| R | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| C | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Biosilica Bearing

Silty Clay

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 15H | 2A | 93 cm | |

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

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| C | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| C | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

Carbonate Layers

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 582 | 1538 | A | 15H | 3A | 720 | |

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

LITHOLOGY: _____ (dominant) _____ (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 |
| D | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| C | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| R | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | Sheet Silicates |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| R | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | 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 |
| R | Radiolarians |
| R | Diatoms |
| R | Silicoflagellates |
| R | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Comments:

Biosilica Bearing
Silty Clay

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1528 | A | 161 | 6A | 70 |

| Observer | ST |
|----------|----|
|----------|----|

LITHOLOGY: Silt Clay (dominant) (minor)

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

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

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

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

Comments:

biossilica bearing silt clay

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|-------------------------------------|
| B82 | 1538 | A | 161 | 1A | 90 |

| | |
|----------|----|
| Observer | ST |
|----------|----|

LITHOLOGY: diatomaceous (dominant) (minor)

COMPOSITION: % Terrigenous 25.9 % Biogenic 75.1 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-------------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>15</u> | <u>84.1</u> |

(= 100%)

Abundance Code
 $\leq 1\%$ = 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 |
| <u>A</u> | Quartz |
| <u>C</u> | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| <u>R</u> | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| <u>R</u> | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Comments:

*Silt clay rich diatom
ozone*

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 82 | 158 | A | 161 | CC | 2cm |

| | |
|----------|----|
| Observer | ST |
|----------|----|

LITHOLOGY: Carbonate layer (dominant)

(minor)

COMPOSITION: % Terrigenous

% Biogenic

(=100%)

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

(= 100%)

Abundance Code
 $\leq 1\%$ = 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:

Carbonate layer

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 538 | A | 111 | 1A | 150 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate ✓✓ |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layer.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 17H | 1A | 30 | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

90

% Biogenic

10

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>20</u> | <u>80</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

biomiliceous bearing silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | S38 | A | DM | 3A | 50 | |

| | |
|------------|------------------|
| Observer | SF |
| LITHOLOGY: | <u>Dominant:</u> |
| | Minor: |

COMPOSITION: % Terrigenous

25

% Biogenic

75

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = 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 |
| | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich
diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 17M | 6A | 70 | |

| | |
|------------|----------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Silt clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

80%

% Biogenic

20%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>15</u> | <u>84</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>A</u> | 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 |
| <u>C</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| <u>C</u> | Glaucconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>R</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 282 | 158 | 1 | 18H | 2A | 80 | |

| | |
|------------|---|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> Minor: |

COMPOSITION: % Terrigenous 45% % Biogenic 55% (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 1811 | 2A | 80 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatomaceous</u> |
| | Minor: |

COMPOSITION: % Terrigenous

25

% Biogenic

75

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>15%</u> | <u>84%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>A</u> | 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 |
| <u>C</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| <u>C</u> | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>P</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clayed diatomaceous

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 18M | 5A | 60 | |

| | |
|------------|---------------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Silty clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

95%

% Biogenic

5%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|------------|
| % Sand | % Silt | % Clay |
| | <u>5%</u> | <u>95%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 158 | A | 15H | 1A | 100 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>clay</u> |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

diatom bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 182 | 188 | A | 15M | 3A | 80 | |

| | |
|------------|--------------------------|
| Observer | ST/ |
| LITHOLOGY: | <u>Dominant:</u> clay |
| | Minor: |

COMPOSITION: % Terrigenous

76%

% Biogenic

24%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 158 | A | 13M | 5A | 50 | |

| | |
|------------|---------------------------------|
| Observer | CS |
| LITHOLOGY: | <u>Dominant:</u> <u>clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

65%

% Biogenic

35%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>25</u> | <u>75</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

diatomrich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 150 | A | 131 | 6A | 110 | |

| | |
|-----------|------------------------------|
| Observer | ST |
| LITHOLOGY | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>15%</u> | <u>85%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

clay bearing diatom ooze

Comments

DESC

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 20H | 3A | 73 cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Diatom Rich Silty Clay

Comments

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 362 | 1538 | A | 20th | 5 A | 75cm | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 5 | 55 | 40 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Clayey Silt
w/ pyritized Biosilica

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 352 | 1532 | A | 20H | 6A | 53 | |

| | |
|------------|-------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: <hr/> |
| | Minor: <hr/> |

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

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Diatom Bearing
Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 214 | 2A | 75 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 65 % Biogenic 15 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| C | Amphibole (hornblende) |
| | Garnet |
| R | 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 |
| C | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Biosilica Bearing Silty Clay

Comments

Deso

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 214 | 6A | 46 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Rich
Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 214 | CC | 2cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 70 % Biogenic 25 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| A | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilica Rich Silty
Clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 214 | CC | 60 | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous

60

% Biogenic

40

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

Bio silica Rich Silty Cap

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 214 | CC | 10 A | |

| Observer | |
|------------|--|
| LITHOLOGY: | Dominant: <hr/> Minor: <hr/> |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Bio Silice Rich Silty Clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 02 | 2H | 42cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica bearing Silty Clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1536 | A | 22H | 6A | 42cm |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Rich Diatom Ooze

Comments

De901

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 22H | 4 A | 42 | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous

90

% Biogenic

10

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| R | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| A | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Diatom Bearing

Silty Clay

Comments

All opaques P-shaped

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 23H | 2A | 54 cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Rich

Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 362 | 1539 | A | 244 | 1A | 128 | |

Desc ✓

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | _____ |
| | Minor: |
| | _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|---------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| D | 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 | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| R | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilica Rich
Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 244 | 3A | 36 | |

| Observer | |
|------------|--|
| LITHOLOGY: | Dominant: <hr/> Minor: <hr/> |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|---------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| 0 | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilice Bearing
 Silty Clay

Comments

DESC ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 244 | 7A | 40 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silty clay Rich
Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| | 1538 | A | 26 | 3 | 69 | |

| | |
|------------|-----------------------------|
| Observer | SC |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica bearing
silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| | 1538 | A | 26 | 5 | 53 | |

| | |
|------------|---------------------------------|
| Observer | SOC |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilica-bearing
silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| | 1538 | A | 26 | 7 | 58 | |

| | |
|------------|---|
| Observer | 50 C |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: silty-clay rich
 bio siliceous ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 158 | A | 2711 | 1A | 108 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layers

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 27M | 1A | 70 | |

| | |
|------------|---|
| Observer | SF |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

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

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

Name: Silt Clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 2711 | 4A | 80 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

70%

% Biogenic

30%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|------------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>15</u> | <u>84%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 2711 | 7A | 30 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> <u>Clay</u> |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: diatom bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 2M | 2A | 110 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| <u>1</u> | <u>10</u> | <u>89</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 5811 | 5A | 1M | |

| | |
|------------|-----------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom spicules.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 158 | A | 28H | 7A | 10 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Silt Clay |
| | Minor: |

COMPOSITION: % Terrigenous 25% % Biogenic 65% (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 2% | 10% | 89% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

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

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 28M | 7A | 51 | |

| | |
|------------|------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> |
| | Minor: |

COMPOSITION: % Terrigenous 55% % Biogenic 45% (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>15%</u> | <u>85%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | LS38 | A | 2311 | 1A | 30 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: clay |
| | Minor: |

COMPOSITION: % Terrigenous 55% % Biogenic 45% (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 82 | 588 | A | 25H | 2A | 120 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Clay |
| | Minor: |

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

| Siliciclastic texture (%) | | | |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| 1% | 10% | 89% | (= 100%) |

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: diatom bearing silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 29 | 4A | 25 | |

| | |
|------------|----------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: diatom ooze. |
| | Minor: |

COMPOSITION: % Terrigenous 451 % Biogenic 551 (=100%)

| Siliciclastic texture (%) | | | (= 100%) |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| | 10% | 90% | |

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: Silt-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 281 | 5A | 140 | |

| | |
|------------|-----------------------|
| Observer | <u>ST</u> |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 85 % Biogenic 25 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>20%</u> | <u>80%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

diatom rich silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 392 | 1538 | A | 304 | 3A | 75cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

Deser

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 30H | 4A | 114 | |

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Carbonate

Comments

DESCU

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 31F | 1A | 60cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay rich
Diatom ooze

Comments

Deson

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1528 | A | 31F | 1A | 104cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| C | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucanite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilica Rich Carbonate

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|------------------|--|
| 382 | 1536 | A | 32F | 12 2A | 62cm |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:
 Biosilica bearing
 Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 33F | 1A | 66 | |

Desc

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

silty clay Red.
 Diatom Ooze (Mat)

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1534 | A | 33F | 1A | 100 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Bearing
Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 538 | A | 33F | 3A | 75 | |

| Observer | |
|------------|--|
| LITHOLOGY: | Dominant: <hr/> Minor: <hr/> |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 34F | 2A | 80 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silty Clay Rich Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 35F | 3A | 60 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Bearing
Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 35F | CC | 18cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 36X | 2A | | |

| | |
|------------|--|
| Observer | ST |
| LITHOLOGY: | Dominant: <i>diatom ooze</i> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 45% % Biogenic 55% (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 36X | 2A | 26cm | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Carbonate Rich
Diatom Ooze

Comments

Deser

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 538 | A | 36x | 5A | 57cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | Chert |
| R | Zircon 1 |
| | Apatite |
| C | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Biosilica Ridge

Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 36x | 2A | 98cm | |

| Observer | |
|------------|--|
| LITHOLOGY: | Dominant: <hr/> Minor: <hr/> |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 37 | 6A | 90 | |

| | |
|------------|-----------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Silty Clay</u> |
| | Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: diatom rich Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | LS8 | A | 37X | 2A | 85 | |

| | |
|------------|---------------------------------|
| Observer | STT |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Silt clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 802 | 1538 | A | 37X | 4A | 145 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 37A | 4A | 145 | |

| | |
|------------|----------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: Carbonate layers |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layers

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 38A | 1A | 40 | |

| | |
|------------|------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | |
| | Minor: |
| | |

COMPOSITION: % Terrigenous 45% % Biogenic 55 (=100%)

| Siliciclastic texture (%) | | | |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| 1% | 15 | 84% | (= 100%) |

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 252 | 1538 | A | 38X | 3A | 20 | |

| | |
|------------|-----------------------|
| Observer | S1 |
| LITHOLOGY: | Dominant: <u>clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous 70% % Biogenic 30% (=100%)

| Siliciclastic texture (%) | | | |
|---------------------------|------------|------------|----------|
| % Sand | % Silt | % Clay | |
| <u>1%</u> | <u>10%</u> | <u>89%</u> | (= 100%) |

Abundance Code
 $\leq 10\%$ = R (rare)
 $10\% - 24\%$ = C (common)
 $25\% - 49\%$ = A (abundant)
 $> 50\%$ = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>D</u> | 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 |
| <u>R</u> | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| <u>R</u> | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>D</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 38X | 4A | 100 | |

| | |
|------------|-----------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous

45%

% Biogenic

55%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| C | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| P | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 338 | A | 38X | 5A | 121 | |

| | |
|------------|------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layer

Comments

| Leg | Site | Hole | Core | Section | Position (cm) | |
|-----|------|------|------|---------|---------------|------------|
| | | | | | in core | Sm.Slide # |
| 302 | 1338 | A | 39X | 1A | 75 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Diatom ooze |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

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

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

Name: Self-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1588 | A | 39X | 3A | 50 | |

| | |
|------------|--------------------------|
| Observer | SF |
| LITHOLOGY: | Dominant: Clay |
| | Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: diatom bearing silt-clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 39X | 6A | 65 | |

| | |
|------------|-------------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

25

% Biogenic

75

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|------------|
| % Sand | % Silt | % Clay |
| | <u>51</u> | <u>551</u> |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silt clay, diatom ooze rich

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 40X | 2A | 102 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

| Siliciclastic texture (%) | | | |
|---------------------------|-----------|------------|----------|
| % Sand | % Silt | % Clay | |
| <u>1%</u> | <u>5%</u> | <u>94%</u> | (= 100%) |

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: silt-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 100A | 3A | 70 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: clay |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 51 | 95 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|------|------|------|------|---------|--------------------------|------------|
| 2582 | 1538 | A | 407 | 5A | 130 | |

| | |
|------------|---|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatomaceous</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 45% % Biogenic 55% (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

silt-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|---------|------|------|------|---------|-------------------------------------|--|
| 3824538 | | A | 41X | 2A | 55 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Clay |
| | Minor: |

COMPOSITION: % Terrigenous

55

% Biogenic

45

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1% | 5% | 94% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 132 | 1338 | A | WIX | WIX | 60 | |

| | |
|------------|---------------------------------|
| Observer | SF |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

COMPOSITION: % Terrigenous

35%

% Biogenic

65%

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

silt clay diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 582 | 1538 | A | 40A | 6A | 40 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> Clay |
| | Minor: |

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 51 | 95 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| p | Glaucanite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt-clay rich diatom
ooze.

Comments

DESC ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 42x | 1A | 82cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Bearing
Diatom ooze

Comments

Forams = v. altered and broken.

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 372 | 1538 | A | h2x | 2A | 74 | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich
Silty Clay

Comments

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 42* | 6A | 40 | |

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Bearing
 Diatom ooze

Comments

Forams = rare but in
 better shape than section 1

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 362 | 1538 | A | 43x | 1A | 81 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 43x | 3A | 82 | |

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 20 | 90 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| C | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| D | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Biosilica Bearing
Silty Clay

Comments

DESCU

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 362 | 1538 | A | 43X | 3A | 91 | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 20 | 60 |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

Biosilica Bearing
Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 44X | 3A | 72 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| R | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Rich Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 45x | 3A | 64 cm | |

Dese ✓

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| | 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 |
| | 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) |

Name:

Biosilica Bearing
Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 538 | A | 45x | 3A | 123 cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1 | 79 | 20 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| R | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| R | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Biosilica Bearing
Carbonate Layer

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 362 | 1529 | A | 45x | 5A | 46 | |

Desc ✓

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Carbonate layers

Comments

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 32 | 538 | A | 46x | 3A | 50cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich
Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1538 | A | 46X | KA | 110cm |

Desc ✓

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 10 | 30 | 60 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: Diatom Rich
Sandy Mud

Comments

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 342 | 538 | A | 46X | 5A | 64cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 45 | 55 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| R | 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) |

Name: sandy
Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 47x | 1A | 57cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | 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 |
| R | Radiolarians |
| C | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| D | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Biosilica Bearing
Silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 47x | 2A | 25cm | |

Descr

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 481 | 1A | 70 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 11% | 5% | 94% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silt-clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 82 | 1538 | A | 487A | 3A | 30 | |

| | |
|------------|--------------------------|
| Observer | CS |
| LITHOLOGY: | <u>Dominant:</u> clay |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 138 | A | 48X | 4A | 38 | |

| | |
|------------|-----------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Clay |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| C | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing sandy silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 49x | 1A | 105 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|-----------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>24%</u> | <u>75</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>D</u> | 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 |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| <u>R</u> | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 282 | 153 | A | 45X | 2A | 148 | |

| | |
|------------|--------------------------------|
| Observer | SP |
| LITHOLOGY: | Dominant: Silty clay |
| | Minor: |

COMPOSITION: % Terrigenous

55

% Biogenic

45

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 11 | 15 | 84 |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 82 | 1538 | A | 493A | 70 | |

| | |
|------------|------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | |
| | Minor: |
| | |

COMPOSITION: % Terrigenous

95

% Biogenic

5

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 95% | 10% | 85% |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | 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) |

Name:

Silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 32 | 1538 | A | 50X | 1A | 50 | |

| | |
|------------|----------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Clay |
| | Minor: |

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

| Siliciclastic texture (%) | | | |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| 9% | 5% | 94% | (= 100%) |

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | 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) |

Name:

Silt Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 32 | 1538 | A | 50X | 2A | 65 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> Clay |
| | Minor: |

COMPOSITION: % Terrigenous 55% % Biogenic 45% (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 2% | 10% | 88% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 138 | A | 50X | 5A | 140 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

45%

% Biogenic

45%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>51</u> | <u>45</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>A</u> | 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 |
| <u>R</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

~~silt clay rich diatom ooze~~
diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | LS38 | A | 50X | 5A | 62 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous

55 / % Biogenic 45

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>51</u> | <u>95</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| Q2 | S38 | A | 51X | 1A | 64. | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> Clay |
| | Minor: |

COMPOSITION: % Terrigenous

85%

% Biogenic

15%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | 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 |
| R | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silt-clay back diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 322 | 1538 | A | 52X | 1A | 100 |

| | |
|------------|--|
| Observer | ST |
| LITHOLOGY: | Dominant: <i>diatom ooze</i> |
| | Minor: |

COMPOSITION: % Terrigenous

45%

% Biogenic

55%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|------------|
| % Sand | % Silt | % Clay |
| | <u>5%</u> | <u>95%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silt-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 582 | 1538 | A | 53X | 1A | 110 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

COMPOSITION: % Terrigenous

35%

% Biogenic

65%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| <u>2%</u> | <u>10%</u> | <u>88%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

silt clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 282 | 158 | A | 53x | 2A | 53 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> diatom ooze |
| | Minor: |

COMPOSITION: % Terrigenous

40

% Biogenic

60

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 982 | 538 | A | 53A | SA | 120 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 51 | 951 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | A | 66x | 1A | 89 | |

Desc ✓

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 10 | 20 | 70 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica Rich
muddy clay

Comments

Descv

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | A | 56X | 4A | 82 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 5 | 35 | 60 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica Rich

Silty Clay

Comments

DESCU

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 362 | 1538 | A | 56x | 5A | 48cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

COMPOSITION: % Terrigenous

5

% Biogenic

95

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| Q | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Nanno fossil Ooze

Comments

Forams = v. altered and
only recognizable in cross-polar view

Nannos = v. broken

DESC ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 57X | 2A | 41 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Bearing
Diatomite

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) | |
|-----|------|------|------|---------|---------------|------------|
| | | | | | in core | Sm.Slide # |
| 512 | 1538 | A | 51X | CC | 9 | |

| Observer | |
|------------|------------------|
| LITHOLOGY: | Dominant: |
| | _____ |
| | Minor: |
| | _____ |

COMPOSITION: % Terrigenous 55 % Biogenic 45 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 10 | 30 | 60 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica Rich

500 Muddy Clay

Comments

DESCU

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 392 | 1539 | A | 58x | 2A | 50cm | |

| Observer | |
|------------|---------------------------------|
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1 | 20 | 79 |

(= 100%)

Abundance Code
≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| R | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| R | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silty Clay bearing
Diatomite

Comments

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 342 | 1538 | A | 54X | 1A | 88 cm | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Bio Silica Rich Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | R | 54X | 2A | 38 | |

Desc ✓

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 5 | 25 | 70 |

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich

Silty clay (sandy mud)

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 54X | 3A | 94 | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich
silty clay

Comments

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | A | 59x | 2A | 58cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

?
(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| A | Vitric grain (glass, pumice) |
| O | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Rich
Ash Layer

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1588 | A | 9A | 2A | 81 | |

| Observer | |
|------------|--------------------------|
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| R | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | Sheet Silicates |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| A | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silty Clay Rich
Diatomite

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 60x | 2A | 67 | |

| Observer | |
|------------|---------------------------------|
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| R (1) | 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 |
| R | Radiolarians |
| A | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| C | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Biosilica Rich
Silty clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 362 | 1538 | A | 61x | 1A | 91cm |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| R | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| C | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| R(1) | Zircon |
| | Apatite |
| R | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biosilica Rich
Silty Clay

Comments

chrysophyte cyst



| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 362 | 1538 | A | 62X | 1A | 65cm | |

Deso ✓

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| R | Sponge spicules |
| A | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name: (Muddy?)
 Silty & Clay Rich
 Diatomite

Comments

algae cysts

Descr

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 392 | 1536 | A | 62X | 2A | 10 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| R | 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 |
| R | Radiolarians |
| D | Diatoms |
| R | Silicoflagellates |
| R | Sponge spicules |
| A | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name: (Muddy?)
 Silty & Clay Rich
 Diatomite

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 882 | 1538 | A | 65X | 1A | 90 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

45%

% Biogenic

55%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>15%</u> | <u>85%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 382 | 158 | A | 65X | 3A | 15 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 21 | 10 | 88 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | A | 65X | 3A | 110 | |

| | |
|------------|---------------------------------|
| Observer | CS |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

COMPOSITION: % Terrigenous

40%

% Biogenic

60%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| C | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 32 | 1538 | A | 697 | 1A | 50 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> diatom ooze |
| | <u>Minor:</u> |

COMPOSITION: % Terrigenous

35

% Biogenic

65

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1588 | A | 69A | 2A | 80 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatomaceous</u> |
| | Minor: |

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

| Siliciclastic texture (%) | | | |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| 21 | 10 | 89 | (= 100%) |

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: Silt-clay rich diatomaceous

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 52 | 1530 | A | 72A | 1A | 5 | |

| | |
|------------|--------------------------------------|
| Observer | <u>SL</u> |
| LITHOLOGY: | Dominant: <u>Diatomite</u> |
| | Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| <u>27</u> | <u>51</u> | <u>94</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>A</u> | 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 |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| <u>R</u> | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>R</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatomite

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 387 | 1538 | A | 737 | 1A | 105 |

| | |
|------------|----------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatomite</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

451

% Biogenic

551

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 27 | 15 | 831 |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| | 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 |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatomite

Comments

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 582 | 1539 | A | 74F | 2A | 102 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|---------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| R | Feldspar |
| | K-feldspar |
| | Plagioclase |
| | Rock Fragments |
| VOLCANIC/PLUTONIC GRAINS | |
| | Euhedral crystals |
| | Vitric grain (glass, pumice) |
| | Palagonite (altered glass) |
| ACCESSORY/TRACE MINERALS | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| R | Glauconite |
| | Chert |
| R (1) | Zircon |
| | Apatite |
| R | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Rich
Silty clay

Comments

Deser✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 332 | 1538 | A | 75x | 2A | 40 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica Bearing
Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 538 | A | 748 | 1A | 103 | |

Deser

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 55 % Biogenic 45 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

*Diatom Rich
Silty Clay*

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | B | 1H | 3A | 60cm | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>20</u> | <u>80</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Bearing
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 52 | 538 | B | 1H | 6A | 62cm |

Descr

| Observer | |
|------------|------------------|
| LITHOLOGY: | Dominant: |
| | _____ |
| | Minor: |
| | _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Volcaniclastic rich diatom
ore

Comments

+ some kind of
resting spore.

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 1H | 1A | 19cm | |

Desc

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Bearing

Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 302 | 1538 | C | 1H | 2A | 77cm | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Bearing
Diatom Ooze

Comments

DESC

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 382 | 1538 | C | 2H | 2A | 1 cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

COMPOSITION: % Terrigenous

45

% Biogenic

55

(=100%)

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

(= 100%)

Abundance Code

$\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Volcaniclastic Rich
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 302 | 538 | C | 2H | 3A | 78 cm | |

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | |
| | Minor: |
| | |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Bearing
Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 342 | 538 | C | 24 | 7A | 31cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>20</u> | <u>80</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 582 | 1538 | C | 3H | 3A | 62 | |

DESC ✓

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich Silty

Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 362 | 1538 | C | 3H | 4A | 109 | |

Desc

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | u6 | 60 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| R | Titanite (sphene) |
| R | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

Nannos - very rare

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 155 | C | 4H | 2A | 18 | |

| | |
|------------|----------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Clay |
| | Minor: |

COMPOSITION: % Terrigenous 90

% Biogenic 10

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1% | 5% | 94% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

biomilica bearing silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 282 | 153D | C | 4H | 2A | 75 | |

| | |
|------------|-----------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Clay</u> |
| | Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| <u>11</u> | <u>151</u> | <u>841</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

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

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

Name: diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 4H | 4A | 120 | |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | CC | 20 | 20 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

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

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>10%</u> | <u>90%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 5H | 1A | 110 | |

| | |
|------------|--|
| Observer | <u>SF</u> |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30

% Biogenic 70

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>51</u> | <u>95</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silt - clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 158 | C | 5H | 3A | 50 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30

% Biogenic 70

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1% | 5% | 94% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| C | Quartz |
| A | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 382 | 538 | C | 5H | 5A | 68 | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | <u>Dominant:</u> <u>diatom ooze</u> <u>Minor:</u> |

COMPOSITION: % Terrigenous

25%

% Biogenic

75

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| C | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay rich
diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 38 | 158 | C | 6H | 1A | 52 | |

| | |
|------------|---------------------------------|
| Observer | <u>5</u> |
| LITHOLOGY: | <u>Dominant:</u> <u>clay</u> |
| | <u>Minor:</u> |

COMPOSITION: % Terrigenous

75%

% Biogenic

25%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>10%</u> | <u>90%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>D</u> | 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 |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>R</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 158 | C | 6F | 2A | 37 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Silt Clay |
| | Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 2% | 15% | 83% |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: diatom bearing silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | B38 | C | 7A | 1A | 60 | |

| | |
|------------|-----------|
| Observer | SF |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous

45%

% Biogenic

55%

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 5H | 2A | 6 | |

| | |
|------------|--------------------------------------|
| Observer | <u>ST</u> |
| LITHOLOGY: | <u>Dominant:</u> <u>silt clay</u> |
| | <u>Minor:</u> |

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

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| <u>1%</u> | <u>15%</u> | <u>84%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>D</u> | 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 |
| <u>C</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| <u>R</u> | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| <u>R</u> | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 7/1 | 3A | 70 | |

| | |
|------------|------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> |
| | Minor: |

COMPOSITION: % Terrigenous

70%

% Biogenic

30%

(=100%)

| Siliciclastic texture (%) | | | (= 100%) |
|---------------------------|--------|--------|----------|
| % Sand | % Silt | % Clay | |
| 2% | 20% | 78% | |

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom-rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 153 | C | 7H | 4A | 94 | |

| | |
|------------|-----------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous

80%

% Biogenic

20%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| | 51 | 45 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay heavy diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 7H | 5A | 30 | |

| | |
|------------|--------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Silty clay |
| | Minor: |

COMPOSITION: % Terrigenous

55%

% Biogenic

45%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| C | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| C | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

Deser

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 8H | 3A | 20 cm | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 125 % Biogenic 75 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silty clay bearing
Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 342 | 1538 | C | 9H | 3A | 83cm | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layers

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 392 | 1538 | C | 9H | 4A | 123cm | |

Desc ✓

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich
Silty Clay

Comments

DESCV

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 9H | 5A | 62cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 104 | 2A | 90 | |

| | |
|------------|-----------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| R | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| C | 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 |
| R | Radiolarians |
| D | Diatoms |
| R | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Diatom Rich
Silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 362 | 1538 | C | 10H | 4A | 37cm | |

Desc ✓

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay bearing Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1538 | C | 104 | 5A | 33cm |

Deser

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich
silty clay

Comments

Deser

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 11H | 3A | 75 | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

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

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 1 | 39 | 60 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | 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 | |
| | <u>Calcareous</u> |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | <u>Siliceous</u> |
| C | Radiolarians |
| D | Diatoms |
| R | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | <u>Others</u> |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silty Clay Rich
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 11H | SA | 32 | |

DESC ✓

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Rich Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|-------------------------------------|--|
| 382 | 1538 | C | 12H | 4A | 64 | |

DESC ✓

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | |
| | Minor: |
| | |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich
Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 124 | 5A | 58 | |

| | |
|------------|------------------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | |
| | Minor: |
| | |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layer

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | C | 12H | CC | 11 | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Biosilica Bearing Silty Clay

Comments

Dcsc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 1H | 1A | 76 cm | |

| Observer | |
|------------|---------------------------|
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 | |
| | <u>Calcareous</u> |
| | Foraminifers |
| | Nannofossils |
| | Calcareous debris (undifferentiated) |
| | <u>Siliceous</u> |
| R | Radiolarians |
| D | Diatoms |
| R | Silicoflagellates |
| R | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | <u>Others</u> |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silty Clay Rich Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 302 | 1538 | D | 2H | 3A | 70 | |

Deser✓

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty Clay Rich Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 24 | 4 A | 78cm | |

Desa

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Volcaniclastic Rich
Diatom ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 3H | 3A | 62cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: Minor: |

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

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

(= 100%)

Abundance Code
≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Diatom Rich Silty Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 538 | D | 3H | 5A | 113 | |

Desc ✓

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Rich

Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | D | 44 | 3A | 58 | |

Desc ✓

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Diatom Rich Silty
Clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1938 | D | 4H | 4A | 70 | |

| | |
|------------|-----------|
| Observer | |
| LITHOLOGY: | Dominant: |
| | Minor: |

COMPOSITION: % Terrigenous 55

% Biogenic 45

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 |
| C | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Rich Silty
clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 511 | 4A | 140 | |

| | |
|------------|---------------------------------|
| Observer | <u>ST</u> |
| LITHOLOGY: | Dominant: <u>diatom frag</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

40%

% Biogenic

60%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>25%</u> | <u>75%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>A</u> | Feldspar |
| | K-feldspar |
| | Plagioclase |
| <u>R</u> | 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 |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| <u>R</u> | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| <u>R</u> | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1520 | D | 5N | 2A | 80 | |

| | |
|------------|--|
| Observer | |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| f | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | K38 | D | 511 | 7A | 40 | |

| | |
|------------|------------------------------|
| Observer | SI |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous 25% % Biogenic 75%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>20%</u> | <u>80%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silt-clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 582 | 538 | D | 5H | 6A | 30 | |

| | |
|------------|--------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: diatom ooze |

COMPOSITION: % Terrigenous 451 % Biogenic 551 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | 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 |
| R | Radiolarians |
| A | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

Silt-Clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 982 | 1538 | D | 6M | 6A | 5 | |

| | |
|------------|--|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> <u>silty clay</u> <u>Minor:</u> |

COMPOSITION: % Terrigenous

75%

% Biogenic

25%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>20%</u> | <u>80%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| <u>A</u> | Quartz |
| <u>D</u> | Feldspar |
| | K-feldspar |
| | Plagioclase |
| <u>R</u> | 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 |
| <u>R</u> | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| <u>R</u> | Glaucconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| <u>C</u> | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 158 | D | 6H | 5A | 30 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> Silt clay |
| | Minor: |

COMPOSITION: % Terrigenous

65%

% Biogenic

35%

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1538 | D | 6H | 2A | 90 |

| | |
|------------|--|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> <u>diatom ooze</u> |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: Silt-clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 6N | 1A | 128 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

25.1

% Biogenic

75.1

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| C | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| R | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | 1D | 7M | 5A | 50 | |

| | |
|------------|------------------------------|
| Observer | CS |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

COMPOSITION: % Terrigenous 35 % Biogenic 6.5 (=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silt clay rich diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 384 | ISS8 | D | 11 | 3A | 50 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

COMPOSITION: % Terrigenous

40%

% Biogenic

60

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| | <u>20</u> | <u>80</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

Silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| RL | 158 | D | 711 | 1A | 84 | |

| | |
|------------|--|
| Observer | SS |
| LITHOLOGY: | Dominant: <i>diatom ooze</i> |
| | Minor: |

COMPOSITION: % Terrigenous 45% % Biogenic 55% (=100%)

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name: *Silt clay rich diatom ooze.*

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 1538 | D | 8N | 1A | 20 |

| | |
|------------|--------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: silty clay |

COMPOSITION: % Terrigenous

75%

% Biogenic

25%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 71 | 25 | 4 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | Quartz |
| D | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom rich silty clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1518 | D | SM | 4A | 80 | |

| | |
|------------|------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

30

% Biogenic

70

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|-----------|-----------|
| % Sand | % Silt | % Clay |
| <u>11</u> | <u>15</u> | <u>84</u> |

(= 100%)

Abundance Code

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

> 50% = D (dominant)

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

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

Name:

silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 392 | 158 | D | 8N | 6A | 20 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name: silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | D | 8N | 7A | 30 | |

| | |
|------------|------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: Carbonate layer |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucanite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layer

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1535 | D | 9H | 2A | 45 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | <u>Dominant:</u> silt clay |
| | Minor: |

COMPOSITION: % Terrigenous

80%

% Biogenic

30%

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 9H | 3A | 70 | |

| | |
|------------|-------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: Silt/Clay |
| | Minor: |

COMPOSITION: % Terrigenous

70

% Biogenic

30

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|--------|--------|
| % Sand | % Silt | % Clay |
| 21 | 30 | 48 |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| B | 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 |
| B | 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 |
| R | Radiolarians |
| A | Diatoms |
| | Silicoflagellates |
| C | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

diatom rich silt-clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | SM | 6A | 70 | |

| | |
|-----------|--|
| Observer | ST |
| LITHOLOGY | <u>Dominant:</u> diatom ooze <u>Minor:</u> |

COMPOSITION: % Terrigenous

45%

% Biogenic

55%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>15%</u> | <u>85%</u> |

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
 $> 50\%$ = D (dominant)

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

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

Name:

Silt-clay diatom ooze.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 82 | 58 | D | 30H | 1A | 15 | |

| | |
|------------|--|
| Observer | DT |
| LITHOLOGY: | Dominant: Minor: Carbonate layer |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
10% - 24% = C (common)
25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate layer.

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | D | 101 | 2A | 25 | |

| | |
|------------|---------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: diatom ooze |
| | Minor: |

COMPOSITION: % Terrigenous

30%

% Biogenic

70%

(=100%)

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| A | 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 |
| R | 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 |
| R | Radiolarians |
| D | Diatoms |
| | Silicoflagellates |
| | Sponge spicules |
| | Siliceous debris (undifferentiated) |
| | Others |
| | Organic Debris |
| | Plant Debris |
| | Fish Remains (teeth, bones, scales) |

Name:

silt clay rich diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 10M | 3A | 90 | |

| | |
|------------|----------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Silt Clay</u> |
| | Minor: _____ |

COMPOSITION: % Terrigenous

80%

% Biogenic

20%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

diatom rich silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # |
|-----|------|------|------|---------|--|
| 382 | 153 | D | 10N | 4A | 52 |

| | |
|------------|-----------|
| Observer | ST |
| LITHOLOGY: | Dominant: |
| | Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Lot of Pyrite (black layer in the section)

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 302 | 1550 | D | 1111 | 3A | 100 | |

| | |
|------------|--------------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>Silt Clay</u> Minor: |

COMPOSITION: % Terrigenous

76%

% Biogenic

24%

(=100%)

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

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| A | Quartz |
| D | Feldspar |
| | K-feldspar |
| | Plagioclase |
| R | 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 |
| R | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| R | Glaucconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

diatom bearing silt clay

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm. Slide # |
|-----|------|------|------|---------|--------------------------|-------------|
| 482 | 158 | D | 111 | 6A | 70 | |

| | |
|------------|-------------------------------------|
| Observer | ST |
| LITHOLOGY: | Dominant: <u>diatom ooze</u> |
| | Minor: |

COMPOSITION: % Terrigenous

24%

% Biogenic

76%

(=100%)

| Siliciclastic texture (%) | | |
|---------------------------|------------|------------|
| % Sand | % Silt | % Clay |
| | <u>10%</u> | <u>90%</u> |

(= 100%)

Abundance Code

≤10% = R (rare)
10% - 24% = C (common)
25% - 49% = A (abundant)
> 50% = D (dominant)

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

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

Name:

Silt clay bearing diatom ooze

Comments

Desc

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 12H | 3A | 84cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | 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 |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silty clay Bearing
Diatom ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 352 | 1538 | D | 121 | 4 A | 41 cm | |

| | |
|------------|---------------------------|
| Observer | |
| LITHOLOGY: | Dominant: _____ |
| | Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| - | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glaucinite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| D | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Biotite bearing
Carbonate

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|---------|---------|-------------------------------------|--|
| 352 | 1538 | D | 12H 1/2 | 6A | 63cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| | Framework minerals |
| D | 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| R | Titanite (sphene) |
| | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| R | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Diatom Bearing
Silty Clay

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core | Sm.Slide # |
|-----|------|------|------|---------|--------------------------|------------|
| 382 | 1538 | D | 13A | CC | 15cm | |

| Observer | |
|------------|---|
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 ≤10% = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

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

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

Name:

Silty clay Rich
Diatom Ooze

Comments

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | D | 14H | 2A | 80 | |

| | |
|------------|---------------------------------|
| Observer | |
| LITHOLOGY: | Dominant: Minor: |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = 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 |
| | Muscovite |
| | Chlorite |
| | Fe-Mg silicates |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | Other indicator minerals |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| C | Carbonate |
| | Authigenic minerals |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| | Opaque Minerals |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Carbonate bearing Diatom Ooze

Comments

Desc ✓

| Leg | Site | Hole | Core | Section | Position (cm) in core Sm.Slide # | |
|-----|------|------|------|---------|--|--|
| 382 | 1538 | D | 14H | CC | 10cm | |

| | |
|------------|---|
| Observer | |
| LITHOLOGY: | Dominant: _____ Minor: _____ |

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

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

(= 100%)

Abundance Code
 $\leq 10\%$ = R (rare)
 10% - 24% = C (common)
 25% - 49% = A (abundant)
 > 50% = D (dominant)

| Ab. Code | Component |
|--------------------------------------|---------------------------------|
| SILICICLASTIC GRAINS/MINERALS | |
| D | 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 | |
| | <u>Sheet Silicates</u> |
| | Biotite |
| | Muscovite |
| | Chlorite |
| | <u>Fe-Mg silicates</u> |
| | Amphibole (hornblende) |
| | Garnet |
| | Pyroxene |
| | Olivine |
| | <u>Other indicator minerals</u> |
| | Glauconite |
| | Chert |
| | Zircon |
| | Apatite |
| | Titanite (sphene) |
| | Carbonate |
| | <u>Authigenic minerals</u> |
| | Barite |
| | Manganese Oxide |
| | Zeolite |
| C | <u>Opaque Minerals</u> |
| | Pyrite |
| | Fe-oxide / Fe-hydroxide |

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

Name:

Silty clay Bearing Diatom Ooze

Comments