

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	1F	2A	75	75

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Biogenic (Diatoms)</u>
	<b>Minor:</b> <u>CLAY</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
a	Diatoms
	Silicoflagellates
a	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

DIATOMS Ooze clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
382	1536	A	211	1A	75/75

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>clay</u>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
382	1536	A	2H	2A	75/75

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>51</u>	<u>49</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	1536	A	2H	3A	125	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u>
	Minor: <u>clay</u>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>5</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
<u>R</u>	Feldspar
<u>R</u>	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
R2	1536	A	21	4A	3/8	

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	153	A	2H	6A	75	

Observer	ST7
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>clay</u>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	1536	A	2H	7A	33	

Observer	
LITHOLOGY:	<b>Dominant:</b> <i>Diatom ooze</i> <b>Minor:</b> <i>Clay</i>

COMPOSITION: % Terrigenous

10%

% Biogenic

90%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>51</u>	<u>951</u>

(= 100%)

**Abundance Code**

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

*clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
182	K36	A	2H	7A	7	

Observer	
LITHOLOGY:	<b>Dominant:</b> <i>Diatom ooze</i> <b>Minor:</b> <i>clay</i>

COMPOSITION: % Terrigenous

10%

% Biogenic

90%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

*clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32153	A	3H	1A	79		

Observer	ST/
LITHOLOGY:	Dominant: <i>diatom ooze</i>
	Minor: <i>clay</i>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	10	30

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: *Clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
32	1536	A	3M	2A	117	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u>
	Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 20

% Biogenic 80%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: Clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	136	A	3N	3A	48	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>diatom ooze</u> <b>Minor:</b> <u>clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>10</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>R</u>	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
32	1536	A	3M	4A	75	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>diatom ooze</u> <b>Minor:</b> <u>clay</u>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: Clayey diatom ooze

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	536	A	3H	5A	98	

Observer	STI
LITHOLOGY:	Dominant: <u>Diatom ooze</u>
	Minor: <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name: Clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	3H	6A	64	

Observer	ST/
LITHOLOGY:	Dominant: <i>Diatom ooze</i>
	Minor: <i>clay</i>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<i>/</i>	<i>20%</i>	<i>80%</i>

(= 100%)

**Abundance Code**

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<i>R</i>	Quartz
<i>R</i>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<i>R</i>	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>
<i>R</i>	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

*Silt heavy clay diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
22	1536	A	31	7A	16	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 20% % Biogenic 80% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
Diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	536	A	3N	7A	48	

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

COMPOSITION: % Terrigenous

10%

% Biogenic

90%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>/</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>Opaque Minerals</u>
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
B2	1536	A	3N	7A	58	

Observer	ST1
LITHOLOGY:	Dominant: <u>diatom ooze</u> Minor: <u>clay</u>

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 clayey diatom  
ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
582	536	A	LH	1A	75	

Observer	ST/
LITHOLOGY:	Dominant: <i>diatom ooze</i> Minor: <i>clay</i>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	1536	A	4H	2A	2	

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
<u>R</u>	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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-bearing clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	411	2A	100'	

Observer	STJ
LITHOLOGY:	Dominant: <i>diatom ooze</i>
	Minor: <i>clay</i>

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
diatom ooze*

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
302	1536	A	4H	3A	40	

Observer	STJ
LITHOLOGY:	Dominant: <i>Diatom ooze</i> Minor: <i>clay</i>

COMPOSITION: % Terrigenous 10

% Biogenic 90

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	BH	3A	117	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 90

% Biogenic 10

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey diatom ooze.

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
982	1586	A	LH	4A	75	

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	4H	6A	75	

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 heavy clayey  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	4H	7A	30	

Observer	ST
LITHOLOGY:	Dominant: <i>diatom ooze</i>
	Minor: <i>clay</i>

COMPOSITION: % Terrigenous

51

% Biogenic

95

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

*clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1536	A	5H	2A	110	110

Observer	<u>C. Green</u>
LITHOLOGY:	<b>Dominant:</b> <u>DIATOM</u>
	<b>Minor:</b> <u>CLAY</u>

COMPOSITION: % Terrigenous 30

% Biogenic 80

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>A</u>	Diatoms
	Silicoflagellates
<u>A</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Sir Cary Diatom Core

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 156	4	54	3A	75	75

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>DIATOM</u>
	<b>Minor:</b> <u>CLAY</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>A</u>	Diatoms
	Silicoflagellates
<u>A</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silt Clay DIATOM ooze

Comments

Desk up

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
352	U1536	A	G4	1A	8cm	

Observer	
LITHOLOGY:	Dominant:
	Minor:

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Diatom Rich Silty Clay

Comments



Desk up

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	11536	A	6H	3 A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silty Clay

Comments

Desk up

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U153G	A	64	5A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Dtan Rich Silty Clay

Comments

Desk v upv

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	U1536	A	64	6A	28	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 Rich Clayey Silt

Comments

Desk  
up

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	64	7A	45	

Observer	
LITHOLOGY:	Dominant:  Minor:  

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Ooze

Comments

Desk up

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	U1536	A	7H	2A	35	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

COMPOSITION: % Terrigenous 5 % Biogenic 95 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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 Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
302	U1536	A	7H	3A	75	

Observer	
LITHOLOGY:	Dominant:  Minor:  

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diabm Rich Clayey Silt

Comments

Desk  
Desk

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	U152	A	7H	6A	20	

Observer	
LITHOLOGY:	Dominant:  Minor:  

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
D	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
R	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
D	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: Diatom Rich  
Sand - gravel

Comments

underestimated  
as smear  
slide!

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	536	A	8H	1A	40	

Observer	
LITHOLOGY:	Dominant:
	Minor:

COMPOSITION: % Terrigenous 15 % Biogenic 95 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
D	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Ooze

Comments



Desk up

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	2H	3A	58	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
R	Silicoflagellates
	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	1536	A	9H	4A	75cm

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	1	99

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
R	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Diatom Ooze

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	10#	4A	75	

Observer	
LITHOLOGY:	Dominant:
	Minor:

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Diatom Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	104	5A	78	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
A	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Clayey  
Diatom Ooze

Comments

Descv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	1556	A	10H	6A	50	

Observer	
LITHOLOGY:	Dominant:
	Minor:

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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: silty-clay-bearing  
Diatom ooze

Comments

*Draw*

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	108	7A	68	

Observer	
LITHOLOGY:	<b>Dominant:</b> <hr/> <b>Minor:</b> <hr/>

COMPOSITION: % Terrigenous

70

% Biogenic

30

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
R	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
<b>BIOGENIC GRAINS</b>	
	<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

Desc ✓ up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	11H	2A	75	

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Diatom Rich  
Silty Clay

Comments

Descr  
upv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
352	1536	A	11H	4A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clayey Diatom Ooze

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	11H	6A	133	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
R	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	Sheet Silicates
	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
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Desc ✓ p-

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	12H	4	15	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

COMPOSITION: % Terrigenous

75

% Biogenic

25

(=100%)

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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)

Name:

Clay Rich  
Diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	BH	1A	8	

Observer	ST/
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>/</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>D</u>	Feldspar
	K-feldspar
	Plagioclase
<u>R</u>	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	13M	1A	120	

Observer	ST
LITHOLOGY:	Dominant: <i>Diatom ooze</i>
	Minor: <i>clay.</i>

COMPOSITION: % Terrigenous 20% % Biogenic 80% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	13M	3A	75	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u>
	Minor: <u>clay</u>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	13H	4A	30	

Observer	ST/
LITHOLOGY:	Dominant: <i>dialom ooze</i>
	Minor: _____

COMPOSITION: % Terrigenous 95% % Biogenic 75% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey dialom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	B36	A	13A	4A	130	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	536	A	1311	5A	40	

Observer	ST
LITHOLOGY:	Dominant: <i>Diatom ooze</i> Minor:

COMPOSITION: % Terrigenous

251

% Biogenic

751

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	151	851

(= 100%)

**Abundance Code**

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing clayey  
diatom ooze*

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	13M	5A	125	

Observer	ST /
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous

20%

% Biogenic

80%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silt bearing clayey  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	131	CC	250	

Observer	ST7
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>105%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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: clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
32	153	A	1411	1A	45	

Observer	ST/
LITHOLOGY:	<b>Dominant:</b> <i>diatom ooze</i> <b>Minor:</b> <i>Clay</i>

COMPOSITION: % Terrigenous 20      % Biogenic 80      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	Sheet Silicates
R	Biotite <i>green</i>
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
D	Diatoms
R	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

*clayey diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	10M	1A	150	

Observer	ST/
LITHOLOGY:	<b>Dominant:</b> <u>Diatom ooze</u> <b>Minor:</b> <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>10</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	VII	3A	75	

Observer	ST
LITHOLOGY:	Dominant: <u>Diatom ooze</u> Minor: <u>Clay.</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>3%</u>	<u>97%</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Clayey diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      5m.Slide #	
382	153	A	12H	4A	75	

Observer	ST
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: <u>diatom</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
<u>R</u>	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<u>R</u>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>R</u>	Diatoms
	Silicoflagellates
<u>R</u>	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 #
1536		A	14H	4A	140	

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

COMPOSITION: % Terrigenous

90%

% Biogenic

10

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>RR</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
<u>C</u>	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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>C</u>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	AH	SA	75	

Observer	STT
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor: _____

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>R</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

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
302	536	A	141	6A	75	

Observer	ST1
LITHOLOGY:	Dominant: <u>Clay</u> Minor:

COMPOSITION: % Terrigenous 60% % Biogenic 40% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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 rich  
clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	A	14H	7A	50	

Observer	STJ
LITHOLOGY:	<b>Dominant:</b> <u>Diatom ooze</u> <b>Minor:</b> <u>Clay</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
22	536	A	1511	1A	100	

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

COMPOSITION: % Terrigenous 5%

% Biogenic 95%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	3%	97%

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: Diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1331	A	15H	5A	15	

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

COMPOSITION: % Terrigenous

60%

% Biogenic

40%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
R	Framework minerals
	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms
	Silicoflagellates
P	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	1536	A	16H	2A	75	

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

COMPOSITION: % Terrigenous

10%

% Biogenic

90

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>D</u>	Diatoms
	Silicoflagellates
<u>D</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Clay rich diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
582	1536	A	16M	7A	50	

Observer	ST/
LITHOLOGY:	Dominant: <i>Diatom ooze</i>
	Minor:

COMPOSITION: % Terrigenous

60%

% Biogenic

40%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
R	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
I	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
<b>BIOGENIC GRAINS</b>	
	<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:

*diatom rich silty clay*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	158	A	17A	3A	83	

Observer	ST
LITHOLOGY	Dominant: <i>Diatom ooze</i> Minor:

COMPOSITION: % Terrigenous

20

% Biogenic

80

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>51</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<i>R</i>	Quartz
<i>R</i>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<i>R</i>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

*clay bearing  
diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	158	A	1711	6A	40	

Observer	ST /
LITHOLOGY:	Dominant: <u>Clay</u>
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 #
155-1536		A	18M	2A	17	

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

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 #
382	1536	A	1811	2A	75	✓

Observer	ST/
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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
D	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	18H	6A	75	

Observer	CF
LITHOLOGY:	Dominant: <i>Silty clay</i> Minor:

COMPOSITION: % Terrigenous 351 % Biogenic 651 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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: *Silty clay rich diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	19H	2A	45	

Observer	ST
LITHOLOGY:	Dominant:
	Minor:

COMPOSITION: % Terrigenous

60

% Biogenic

40

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

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

Name:

biosilica-rich  
silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	19M	4A	45	

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

COMPOSITION: % Terrigenous 30

% Biogenic 70

(=100%)

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</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 diatom ooze

Comments

Desc ✓  
up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core    Sm.Slide #	
382	1536	A	204	1A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b>
	<u>Diatoms</u>
	<b>Minor:</b>
	<u>Silty Clay</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty - Clay Rich Diatom Ooze

Comments

Descr<sup>up</sup>

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	20 <sup>th</sup>	3A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Diatom</u>

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom rich silty clay

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
382	1536	A	244	3	25	

Observer	
LITHOLOGY:	<b>Dominant:</b> Diatom Ooze
	<b>Minor:</b> Clay

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Clay-rich Diatom Ooze

Comments



Deserv up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
382	1536	A	214	3	75 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> Diatom ooze
	<b>Minor:</b> Silty clay

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 ✓  
up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
39	1536	A	22 <sup>th</sup>	C A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay Rich</u> <b>Minor:</b> <u>Diatom Ooze</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>R</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Comments

DESC ✓ up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	23H	5A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom ooze</u> <b>Minor:</b> <u>Silty Clay</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<u>C</u>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silty-Clay Rich Diatom Ooze

Comments

Desc ✓ up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1536	A	24F	3A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom Ooze</u> <b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>K</u>	Radiolarians
<u>D</u>	Diatoms
	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

Descr  
upv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	25F	A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom ooze</u> <b>Minor:</b> <u>Silty Clay</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>D</u>	Diatoms
	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

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
332	1536	P	30 F	2A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom ooze</u>
	<b>Minor:</b> <u>Clay</u>

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
R	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Clay Bearing Diatom  
Ooze

Comments

Descr  
up

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	25F	1A	750m	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom Ooze</u>
	<b>Minor:</b> <u>Silty clay</u>

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty clay Rich  
Diatom Ooze

Comments

Desc  
up

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
34	A	28F	28	28	800m	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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)

Name:

Diatom Rich Silty Clay

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	26F	3A	75	

Observer	AG
LITHOLOGY:	Dominant: <u>Diatom Ooze</u>
	Minor: <u>Silty Clay</u>

COMPOSITION: % Terrigenous

16

% 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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
I	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
D	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	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	1536	A	26F	1A	75	

Observer	AC
LITHOLOGY:	Dominant: Silty Clay
	Minor: Diatoms

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	27F	1A	71	

Observer	AG
LITHOLOGY:	Dominant: <u>Diatom</u>
	Minor:

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silt Rich

Diatom Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	32F	L1A	34	

Observer	ST
LITHOLOGY:	Dominant: <u>Clay</u>
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>E</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<u>P</u>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>C</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 #
382	1536	A	3F	2A	50	

Observer	STL
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor:

COMPOSITION: % Terrigenous 65 % Biogenic 35 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glaucconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	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 #
82	1536	A	33F	1A	90	

Observer	ST
LITHOLOGY:	Dominant: <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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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	1536	A	33F	4A	53	

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

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: \_\_\_\_\_

Comments \_\_\_\_\_

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	34F	5A	39	

Observer	ST /
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b>

COMPOSITION: % Terrigenous 65 % Biogenic 35 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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 silty clay

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	2F	3A	120	

Observer	SV
LITHOLOGY:	<b>Dominant:</b> <u>diatom</u> <b>Minor:</b> 

COMPOSITION: % Terrigenous

30%

% Biogenic

70%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty clay  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	536	A	35	2A	40	

Observer	ST/
LITHOLOGY:	Dominant: <u>Clay</u>
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
P	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	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 #	
321531		A	36	2A	10	

Observer	STI
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous

75

% Biogenic

25

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 rich  
Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	153	A	36F	3A	55	

Observer	ST/
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
R	Diatoms
	Silicoflagellates
	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 #
82	536	A	38F	3A	60	

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

COMPOSITION: % Terrigenous

70%

% Biogenic

30%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<u>R</u>	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>C</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 #
382	1536	A	37F	3A	60	

Observer	ST/
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous

85%

% Biogenic

15%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>C</u>	Diatoms
	Silicoflagellates
<u>R</u>	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	1536	A	385	2A	86	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>clay</u>
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous

60%

% Biogenic

40%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>P</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 #
32	1536	A	301	3A	34	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <i>Clay</i>
	<b>Minor:</b>

COMPOSITION: % Terrigenous

*60%*

% Biogenic

*40%*

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<i>10%</i>	<i>90%</i>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<i>R</i>	Quartz
<i>C</i>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<i>R</i>	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
<i>R</i>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<i>A</i>	Diatoms
	Silicoflagellates
<i>R</i>	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 #
58	136	A	WDF	2A	8690	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b>

COMPOSITION: % Terrigenous

55%

% Biogenic

45%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
P	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	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 #
32	1536	A	41F	3A	60	

Observer	ST
LITHOLOGY	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous

75

% Biogenic

25

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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 rich silty  
clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	1536	A	42F	3A	36	

Observer	STI
LITHOLOGY	<b>Dominant:</b> diatom ooze
	<b>Minor:</b>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
diatom ooze

Comments

Desu

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	1536	A	13F	2A	40	

Observer	ST/
LITHOLOGY:	<b>Dominant:</b> Clay
	<b>Minor:</b>

COMPOSITION: % Terrigenous

55

% Biogenic

45

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

diatom rich silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	WPF	1A	29	

Descr

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

COMPOSITION: % Terrigenous

65%

% Biogenic

25%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
	<u>Opaque Minerals</u>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
A	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

DESCR

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
302	1530	A	458	2A	30	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 70      % Biogenic 30      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	536	A	458	2K	110	

*Desc*

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Sandy Silt</u> <b>Minor:</b> <u>Clay</u>

COMPOSITION: % Terrigenous

99

% Biogenic

1

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
25	60	15

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
C	Chert Z
	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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay bearing Sandy Silt

Comments

DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
302	1536	A	47F	28	74	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Diatom bearing silty clay

Comments



DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	425	2A	16	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous

70

% Biogenic

30

(=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)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silty Clay

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
282	536	A	u8f	A	33cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 55 % Biogenic 45 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silty Clay

Comments

Descv

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
392	1536	A	498	2A	110 cm

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

COMPOSITION: % Terrigenous 65 % Biogenic 35 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 Clay

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1536	A	49F	2A	135 cm

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Bearing Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	A	50F	1A	92cm	

Observer	
LITHOLOGY:	Dominant: <u>Silty Clay</u> Minor: <u>BioSilicate</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Biosilicate bearing Silty Clay

Comments

DESCR

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	50	2A	85	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatom</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>55</u>	<u>45</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
<b>D</b>	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Clayey Rich Diatom Ooze  
Silt

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	A	51F	1A	62cm	

Observer	
LITHOLOGY:	Dominant: <u>Diatoms</u> Minor: <u>Silty Clay</u>

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Silty Clay Rich Diatom Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
352	1536	A	51F	2A	67	

*Desc*

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>A</u>	Diatoms
	Silicoflagellates
	Sponge spicules
<u>D</u>	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Diatom bearing Silty Clay

Comments



Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	536	A	52F	4A	31cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Silty clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>5</u>	<u>20</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>R</u>	Radiolarians
<u>D</u>	Diatoms
<u>A</u>	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

DESCV

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	63F	2A	105 <sub>cm</sub>	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Biosilica</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
C	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
R	Radiolarians
A	Diatoms
	Silicoflagellates
	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	1536	A	53F	2A	136 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 80      % Biogenic 20      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
<u>R</u>	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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Bearing  
Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	156	B	1H	4A	50	

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

COMPOSITION: % Terrigenous

20

% Biogenic

80

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
Q2	B6	B	2H	1A	80	

Observer	CT
LITHOLOGY:	<u>Dominant:</u> diatom
	Minor:

COMPOSITION: % Terrigenous 90 % Biogenic 80 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	3	97

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Clay bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	3H	2A	75	

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

COMPOSITION: % Terrigenous

15

% Biogenic

85

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
R	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	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:

clay bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
282	1536	B	311	4A	78	

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

COMPOSITION: % Terrigenous 60      % Biogenic 40      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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 silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	536	B	3M	8A	122	

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

COMPOSITION: % Terrigenous

20%

% Biogenic

80

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silt-clay bearing diatom ooze

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	1536	B	W1	3A	75	

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

COMPOSITION: % Terrigenous

30%

% Biogenic

70%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 #	
02	536	B	4H	6A	50	

Observer	807
LITHOLOGY:	Dominant: <u>diatom ooze</u> Minor:

COMPOSITION: % Terrigenous 15% % Biogenic 85% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	Pyrite
R	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	B	5H	4A	15	

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

COMPOSITION: % Terrigenous

15%

% Biogenic

85%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

clay bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	5N	6A	64	

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

COMPOSITION: % Terrigenous 15% % Biogenic 85% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
P	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
P	Diatoms
	Silicoflagellates
R	Sponge spicules
	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 #
392	1536	B	GH	3A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 15 % Biogenic 85 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</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

Desov

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
392	536	B	6H	7A	40	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom</u> <b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous

15

% Biogenic

85

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty clay Bearing Diatom  
Ooze

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	B	74	1A	119	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatom</u>

COMPOSITION: % Terrigenous

60

% Biogenic

40

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>D</u>	Diatoms
	Silicoflagellates
	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 #
382	1536	B	7H	2A	24 cm

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u> <b>Minor:</b> <u>Diatoms</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>35</u>	<u>65</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Si Diatom Rich Silty Clay

Comments



Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	153 <sup>6</sup>	B	8H	2A	67 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom bearing Silty Clay

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1936	B	10x	CCA	10	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatom</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<b>D</b>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<b>R</b>	Radiolarians
<b>D</b>	Diatoms
	Silicoflagellates
	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	1536	B	NH	SA	52	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Silty Clay</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>D</u>	Diatoms
	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

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	14A	6A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>silty clay</u> <b>Minor:</b> <u>                    </u>

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>A</u>	Diatoms
	Silicoflagellates
<u>A</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silty Clay

Comments

DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	B	124	3A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom bearing Silty Clay

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	24	4A	56	

Observer	
LITHOLOGY:	<b>Dominant:</b> Silt
	<b>Minor:</b> Clay

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay bearing silt

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	13H	3A	87	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>silty clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<b>D</b>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>C</b>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<b>D</b>	Diatoms
	Silicoflagellates
	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 #
382	1536	B	13H	5A	74	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>Clayey Silt</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>76</u>	<u>30</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
<u>C</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>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Clayey Silt Rich  
 Diatom Ooze

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
383	1536	B	14H	4A	88	

Desc ✓

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty<sup>A</sup> Clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

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

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>C</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:

Diatom Rich Clayey Silt

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	B	144	5A	53	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>D</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Silty  
Clay Rich Diatom  
Ooze

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	B	14	6A	42	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom</u> <b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 45 % Biogenic 55 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
C	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
A	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	1536	B	15H	7 A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom Ooze</u> <b>Minor:</b> <u>Clay</u>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
R	Radiolarians
D	Diatoms
A	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Clay Bearing  
 Diatom Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	A	ASH	6A	60	

B 15H 6A 75

Observer	<i>Desc</i> ✓
LITHOLOGY:	Dominant: <u>Diatom Ooze</u> Minor: <u>Silty Clay</u>

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
<del>X</del>	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</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>CX</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>C</u>	Radiolarians
<u>D</u>	Diatoms
<u>C</u>	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

Desor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
393	1536	B	15H	2A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b> <u>/</u>

COMPOSITION: % Terrigenous

95

% Biogenic

5

(=100%)

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

(= 100%)

**Abundance Code**

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1536	B	154	5A	33

Observer	ST/
LITHOLOGY:	Dominant:
	Minor:

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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

Comments

Ash / carbonate grains

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	B	16H	1A	77	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous

30

% Biogenic

70

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>R</u>	Radiolarians
<u>D</u>	Diatoms
<u>R</u>	Silicoflagellates
<u>T</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silty Clay Bearing

Comments

Diatom Ooze



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
387	1536	B	16H	5A	75	

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

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

biosiliceous bearing  
silt clay.

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	164	7A	50	

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

COMPOSITION: % Terrigenous 15% % Biogenic 85% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	HH	2A	40	

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

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

bioclastic bearing  
Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	17H	6A	150	

Observer	ST1
LITHOLOGY:	<b>Dominant:</b> diatom ooze
	<b>Minor:</b>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

clay bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
302	153	B	18H	2A	25	

Observer	S1
LITHOLOGY:	Dominant: <u>diatom</u>
	Minor: _____

COMPOSITION: % Terrigenous

20

% Biogenic

80

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
38	155	B	10M	7A	50	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u> <b>Minor:</b> 

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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: biocalcareous rich silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
38	153	B	19M	5A	120	

Observer	ST/SC
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor:

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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: biogenic / rich

Comments

Silty clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1526	B	19H	7A	90	

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

COMPOSITION: % Terrigenous

10

% Biogenic

90

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
diatom ooze

Comments



DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	208	6A	98	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatom bearing</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>R</u>	Radiolarians
	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

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	204	2A	49	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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
	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	1536	B	21H	4A	75	

Descr

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 70      % Biogenic 30      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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)

Name:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
362	1536	B	21H	7A	85	

Descr

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Carbonate Tephra</u> <b>Minor:</b> <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	86	20

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
<u>D</u>	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
<u>D</u>	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Name:**

Clay Bearing Tephra  
 (Authigenic Carbonate)

**Comments**

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	B	22H	4A	45	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clay Rich Silt Bearing</u> <b>Minor:</b> <u>Diatom ooze</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>20</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Clay Rich Silt Bearing  
 Diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	B	234	2A	56	

Dese ✓

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>BioSilica</u>
	<b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 55 % Biogenic 45 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
<u>C</u>	Carbonate
<u>C</u>	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<u>R</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Biosilicious Rich Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
1582	1536	B	234	X A	68	

Descr

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Clayey Silt</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	60	30 <del>80</del>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
C	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Name:**

Foram bearing  
 Silty Clay Rich Diatom Ooze  
 Clayey Silt

**Comments**

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1530	B	234	cc	80	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clayey silt</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>D</u>	Vitric grain (glass, pumice)
<u>D</u>	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>D</u>	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Diatom bearing clayey silt  
 → Described as altered Tephra

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
362	1536	244	1A	7cm		

B

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>Clayey silt</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	80	30

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glaucconite
	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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
C	Foraminifers
	Nannofossils
C	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:** Forams bearing  
 Clay Bearing, Silt Rich  
 Diatom ooze

**Comments**

Forams = V. Altered

DESCR

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
392	1530	B	24H	4A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clay Diatoms</u>
	<b>Minor:</b> <u>Clay</u>

COMPOSITION: % Terrigenous 30      % Biogenic 70      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:**

Clay Rich silt bearing  
Diatom Ooze

**Comments**

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	B	244	6A	40	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silt</u> <b>Minor:</b> <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>90</u>	<u>10</u>

(= 100%)

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

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

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

Name:

Clayey Silt

→ Described as Tephra

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	B	25H	1A	102	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>U</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Diatom Rich  
Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
582	596	C	1A	5A	60	

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

COMPOSITION: % Terrigenous

15%

% Biogenic

85%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5%</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay bearing Diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	36	C	21	3A	110	

Observer	ST
LITHOLOGY:	Dominant: <u>Clay</u> 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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
P	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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  
silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	C	2M	SA	110	

Observer	<u>STJ</u>
LITHOLOGY:	<u>Dominant:</u> <u>diatom ooze</u>
	Minor: _____

COMPOSITION: % Terrigenous

15%

% Biogenic

85%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>P</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	24	6A	34	

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

COMPOSITION: % Terrigenous

10%

% Biogenic

90%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

clay bearing  
diatom ooze

Comments



Deser

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	7H	3A	71 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u> <b>Minor:</b> <u>/</u>

COMPOSITION: % Terrigenous 5 % Biogenic 95 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Ooze

Comments

Pesc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
352	1536	C	6H	2A	67	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Diatoms</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Bearing  
Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	5H	3K	75 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>/</u>

COMPOSITION: % Terrigenous

15

% Biogenic

95

(=100%)

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

(= 100%)

**Abundance Code**

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 Ooze

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	7H	5A	71cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Bearing Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	B36	C	011	1A	110	

Observer	STJ
LITHOLOGY:	<b>Dominant:</b> <u>diatom ooze</u>
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 30      % Biogenic 70      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 #	
82	1536	C	8M	4A	70	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> diatom ooze
	<b>Minor:</b>

COMPOSITION: % Terrigenous 15% % Biogenic 85% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
P	Quartz
P	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
P	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
P	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 bearing  
diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
38	36	C	8M	5A	70	

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

COMPOSITION: % Terrigenous 15%      % Biogenic 85%      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
	Silicoflagellates
P	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

*clt clay bearing  
diatom ooze*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	10	2A	75	

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

COMPOSITION: % Terrigenous 10 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<i>R</i>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<i>R</i>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

*silt clay basey  
diatom ooze*

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
282	1536	C	10	4A	34	

Observer	ST
LITHOLOGY:	Dominant: <u>Tepha</u>
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Tepha

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
133	1536	C	10H	4A	110	

Observer	ST
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous 80 % Biogenic 90 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
	<b>Authigenic minerals</b>
	Barite
	Manganese Oxide
	Zeolite
<u>P</u>	<b>Opaque Minerals</b>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>R</u>	Diatoms
	Silicoflagellates
<u>P</u>	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	1536	C	R1	1A	54	

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

COMPOSITION: % Terrigenous 15

% Biogenic 85

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

ST clay bearing diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
132	1536	C	12M	3A	70	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> diatom ooze
	<b>Minor:</b>

COMPOSITION: % Terrigenous

25

% Biogenic

75

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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 #	
32	536	C	121	6A	50	

Observer	<i>SS</i>
LITHOLOGY:	<b>Dominant:</b> <i>diatomaceous</i>
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 30      % Biogenic 70      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 rich  
diatom  
ooze*

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1536	C	14H	1A	47

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom Ooze</u> <b>Minor:</b> <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	5	90

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay Bearing Diatom Ooze

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1536	C	17F	3A	55cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay rich Diatom Ooze

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	17F	1A	40	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Biosilica</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>20</u>	<u>75</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<b>D</b>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>R</b>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Biosilica Rich Silty Clay

Comments



DESCR

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	18 F	2A	29cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b> <u>Biosilica</u>

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Biosilica Rich Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	19H	1A	108	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>/</u>

COMPOSITION: % Terrigenous 5 % Biogenic 90 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	5	90

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Ooze

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	194	3A	133	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u> <b>Minor:</b> <u>Diatoms</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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>C</u>	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Diatombearing  
Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
382	1336	C	20H	1A	45cm

Observer	
LITHOLOGY:	Dominant: <u>Diatoms</u>
	Minor: <u>Silty Clay</u>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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 bearing, Clay Rich

Diatom Ooze

(Silty Clay Rich Diatom Ooze?)

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	20H	2A	65	

Descr

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>BioSilica</u>

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

BioSilica Rich Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	204	3A	115cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u>
	<b>Minor:</b> <u>Diatom</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Diatom Rich  
Silty Clay

Comments

DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	21H	3A	82 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Diatom Rich  
Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	21H	3A	20	

Observer	
LITHOLOGY:	Dominant: <u>Diatoms</u>
	Minor: <u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>1%</u>	<u>99</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</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>Opaque Minerals</u>
<u>D</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

Clay Rich Diatom Ooze

Comments

Biosilica = heavily  
pyritized



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	221	3A	90	

Observer	ST1
LITHOLOGY:	<u>Dominant:</u> <u>Clay</u>
	<u>Minor:</u>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: biossilaceous bearing  
Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
302	136	C	22H	4A	80	

Observer	STT
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor: <u></u>

COMPOSITION: % Terrigenous 70

% Biogenic 30

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 rich  
silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
1382	1536	C	22A	7A	50	

Observer	STI
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor:

COMPOSITION: % Terrigenous

75

% Biogenic

25

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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 rich  
Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	E36	C	Q2M	2A	70	

Observer	ST
LITHOLOGY:	Dominant: <u>Clay</u>
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<u>R</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	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
<b>BIOGENIC GRAINS</b>	
	<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 rich  
Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	1536	C	23A	7A	50	

Observer	ST
LITHOLOGY:	<b>Dominant:</b>
	Minor:

COMPOSITION: % Terrigenous 60% % Biogenic 40% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
A	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
<b>BIOGENIC GRAINS</b>	
	<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 rich  
silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
38	36	C	24	F2	88	

Observer	ST
LITHOLOGY:	<b>Dominant:</b>
	Minor:

COMPOSITION: % Terrigenous

85%

% Biogenic

15%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

diatom bearing  
silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
307	36	C	25	H1	88	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	Minor:

COMPOSITION: % Terrigenous

60%

% Biogenic

40%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

diatom rich  
Silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	26F	2A	40	

Observer	ST
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous 85% , % Biogenic 15% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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  
silt clay

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	28f	1A	150	

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

COMPOSITION: % Terrigenous 60% % Biogenic 40% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>P</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

diatom rich  
silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
387	536	C	28F	2A	100	

Observer	<u>CS</u>
LITHOLOGY:	<b>Dominant:</b> <u>clay</u>
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 80%      % Biogenic 20%      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	C	28F	3A	30	

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

COMPOSITION: % Terrigenous

15%

% Biogenic

85%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

clay bearing diatom ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
387	536	C	30F	1A	65	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
382	1536	C	31F	2A	30	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
	<b>Minor:</b> <u>Silty Clay</u>

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>D</u>	Diatoms
	Silicoflagellates
	Sponge spicules
<u>C</u>	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silt bearing Clay Rich  
Diatom ooze

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	33F	3A	82	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty clay</u>
	<b>Minor:</b> <u>Diatom</u>

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
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
<b>BIOGENIC GRAINS</b>	
	<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 Rd  
Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	354	1A	92cm	

Observer	
LITHOLOGY:	Dominant: <u>Diatoms</u> Minor: <u>Clay</u>

COMPOSITION: % Terrigenous 20 % Biogenic 80 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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)

Name:

Silt Bearing Clay Rich  
 Diatom Ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	36F	4A	380m	

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
C	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	536	C	38F	1A	90	

Observer	ST
LITHOLOGY:	<b>Dominant:</b> <u>clay</u>
	<b>Minor:</b>

COMPOSITION: % Terrigenous

80/

% Biogenic

20/

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

*diatom bearing silty clay*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	39F	2A	70	

Observer	ST
LITHOLOGY:	Dominant: clay
	Minor:

COMPOSITION: % Terrigenous

70/

% Biogenic

30/

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

bioclastic rich  
Silt Clay

Comments

This may be minor  
lithology

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	39F	3A	60	

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

COMPOSITION: % Terrigenous

85%

% Biogenic

15%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms
C	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

biogenic bearing  
silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
52	53	C	40F	1A	112	

Observer	ST
LITHOLOGY:	Dominant:
	Minor:
	Silt burrows.

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Silt burrows

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	40F	3A	60	

Observer	<u>SGT</u>
LITHOLOGY:	<b>Dominant:</b> <u>clay</u>
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 80% % Biogenic 20% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
<u>R</u>	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>R</u>	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: bisilicaceous bearing silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	C	40F	4A	40	

Observer	ST 1
LITHOLOGY:	<u>Dominant:</u> <u>clay</u>
	Minor:

COMPOSITION: % Terrigenous

85%

% Biogenic

15%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>R</u>	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

biocalcareous bealy  
silt clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	D	1H	2A	39cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom Ooze</u>
	<b>Minor:</b> <u>/</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	1%	99%

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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)

Name:

Diatom Ooze

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	E	SR	1A	48	

Observer	
LITHOLOGY:	Dominant:
Clay	
	Minor:
	Biosilica

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
D	Diatoms
R	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Biosilica rich Clay  
(Silt Bearing)

Comments



Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	E	SR	1A	115 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b> Biosilica
clay	

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
C	Diatoms
	Silicoflagellates
	Sponge spicules
C	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Biosilica Bearing  
(Silt Bearing) Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
582	U1536	E	2R	2A	50 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Biosilica</u>
Clay	<b>Minor:</b> <u>Biosilica</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>A</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Biosilica Bearing  
Silty Clay

Comments

Very fine Silt

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
362	1536	E	2R	2A	90 cm

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
<u>Clay</u>	<b>Minor:</b> <u>Sand</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
C	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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
	Silicoflagellates
	Sponge spicules
C	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Diatom Bearing Sandy Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	C	36F	4A	380m	

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
C	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
D	Diatoms
C	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	1536	E	2R	4A	107	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Biosilica</u>
	<b>Minor:</b> _____

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
R	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
<b>BIOGENIC GRAINS</b>	
	<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 Rich  
Sandy Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	E	6R	2A	52 cm	

*Desc*

Observer	
LITHOLOGY:	Dominant: <u>Diatom</u>
<i>Silty Clay</i>	Minor: _____

COMPOSITION: % Terrigenous 75      % Biogenic 25      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>2</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	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)

Name:

*Diatom Rich  
Silty Clay*

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	7R	2A	45	

Observer	ST1
LITHOLOGY:	Dominant: <u>Tephra</u> Minor: _____

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
<u>R</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
<b>BIOGENIC GRAINS</b>	
	<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: diatom rich carbonate tephra

Comments: greyish Tephra layer

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	7R	2A	76	

Observer	STI
LITHOLOGY:	Dominant: <u>clay</u> Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>70</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
<u>R</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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>E</u>	Radiolarians
<u>E</u>	Diatoms
<u>C</u>	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: Biosiliceous rich silt clay

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
882	36	E	10R	SA	60	

Observer	ST
LITHOLOGY:	Dominant: Clay
	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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
R	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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  
Silt Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	GR	1A	30	

Observer	ST
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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 silty clay.

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
087	36	C	95	4A	63

Observer	597
LITHOLOGY:	Dominant: <u>clay</u> Minor:

COMPOSITION: % Terrigenous

70%

% Biogenic

30%

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
<u>A</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	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
<b>BIOGENIC GRAINS</b>	
	<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	36	E	GR	5A	124	

Observer	ST
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: _____

COMPOSITION: % Terrigenous 60% % Biogenic 340% (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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 #	
82	36	E	10R	1A	75	

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

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
R	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 #	
32	36	E	10R	3A		

Observer	ST 1
LITHOLOGY:	Dominant: <u>clay</u>
	Minor: <u></u>

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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  
carbonaceous tephra

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
392	1536	E	11R	1A	72cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u>
	<b>Minor:</b> <u>Diatoms</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	20	70

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
P	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom bearing  
(Sand bearing) Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	E	2R	3A	75	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom</u> <b>Minor:</b> <u>Ooze</u>

COMPOSITION: % Terrigenous 30 % Biogenic 70 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clay Rich Diatom Ooze

Comments



Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1506	E	12R5	5A	14 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silt</u>
	<b>Minor:</b> _____

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Rich Silt

Comments

Rich in Authigenic  
Carbonate? (no shards,  
no HCL reaction)

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
392	1536	E	13R	3A	82cm	

Observer	
LITHOLOGY:	<b>Diatom</b> <b>Ooze</b>
<b>Dominant:</b>	<u>e</u>
<b>Minor:</b>	<u>Clay</u>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>0</u>	<u>100</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
<b>D</b>	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Clay Rich Diatom Ooze

→ Almost entirely Pyritized

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	436	E	13R	4A	35 cm

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatoms</u>
<u>Clay</u>	<b>Minor:</b> _____

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>30</u>	<u>20</u>	<u>50</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>D</u>	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>C</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name: Diatom Bearing  
Sandy Clay?  
Sandy Silty Clay  
 Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	E	13R	7A	14cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <hr/> <b>Minor:</b> <hr/>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Diatom Bearing Silt  
→ Authigenic Carbonate

Comments

Does not fizz

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1530	E	14R	1A	72	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Diatom</u>
	<b>Minor:</b> <u>Clay</u>

COMPOSITION: % Terrigenous 30      % Biogenic 70      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
D	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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: Very Pyritized  
Clay Rich Diatom Ooze

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	E	14R	3A	36	

Observer	
LITHOLOGY: <i>Sandy Clay</i>	Dominant: <i>1</i>
	Minor: <i>Silica</i>

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<i>30</i>	<i>10</i>	<i>60</i>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<i>D</i>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
<i>R</i>	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
<i>C</i>	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

*Biosilica Rich  
Sandy Clay*

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	E	15R	1A	35	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Carbonate</u>
Silt	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Authigenic carbonate / Silt  
(tephra?)

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	E	162	1A	41 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>Diatoms</u>

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
A	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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 Bearing Silty Clay

Comments



Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
352	536	E	16R	3A	32 cm	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>                    </u>

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

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

( = 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty Sandy Clay

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1536	E	17R	2A	90	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>(Sand)</u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Sandy Silty Clay

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
302	1536	E	18R	1A	60	

Observer	
LITHOLOGY:	<b>Dominant:</b> <u>Silty Clay</u> <b>Minor:</b> <u>                    </u>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	36	E	19R	1A	84	

Observer	CT
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b>

COMPOSITION: % Terrigenous 97 % Biogenic 3 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
C	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	36	E	19R	3A	29	

Observer	ST
LITHOLOGY:	Dominant:
	Minor: Tephra

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Carbonaceous Tephra

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	20R	1A	75	

Observer	S11
LITHOLOGY:	<u>Dominant:</u> clay
	Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	27	70

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

biosiliceous bearing  
Silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	36	E	21R	2A	73	

Observer	S9
LITHOLOGY:	<b>Dominant:</b> <u>Clay</u>
	<b>Minor:</b>

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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
R	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: bio-siliceous rich silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	gmr	1A	80	

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

COMPOSITION: % Terrigenous

99%

% Biogenic

1%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>3%</u>	<u>15%</u>	<u>82%</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
<u>A</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>D</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Silty clay

Comments



Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	E	25R	1A	97cm	

Observer	
LITHOLOGY:	<b>Dominant:</b>
Sandy	_____
Mud	<b>Minor:</b>
	_____

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
50	20	30

(= 100%)

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

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

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	15366	E	25R	1A	9cm	

Observer	
LITHOLOGY:	Dominant:
clayey mud	
	Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
20	30	50

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
Possibly	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
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
982	36	E	22R	1A	107	

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

COMPOSITION: % Terrigenous

99%

% Biogenic

1%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>5%</u>	<u>20</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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>A</u>	Quartz
<u>A</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
	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
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Sandy Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
Q82	36	E	22R	3A	48	

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

COMPOSITION: % Terrigenous

100%

% Biogenic

0

(=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	Quartz
A	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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 ✓ <u>Prominent</u>
	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
<b>BIOGENIC GRAINS</b>	
	<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:

Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1536	E	282	1A	8 cm	

Desc ✓

Observer	
LITHOLOGY:	Dominant:
Clayey	
Silt	Minor:

COMPOSITION: % Terrigenous

60

% Biogenic

40

(=100%)

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

( = 100%)

**Abundance Code**

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Clayey Silt  
→ contains Abundant

Comments

Nannofossil Rich Clayey Silt

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	E	28R	1A	40cm	

Observer	
LITHOLOGY:	Dominant:
Silt	Minor:

COMPOSITION: % Terrigenous

50

% Biogenic

50

(=100%)

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

(= 100%)

**Abundance Code**

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	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:

Same As  
1536A 10H 5A

Comments

→ Nannofossil Ooze

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
92-96		E	25P	1A	21	

Observer	ST
LITHOLOGY:	Dominant:  Minor:  

COMPOSITION: % Terrigenous \_\_\_\_\_ % Biogenic 100 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	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
<b>BIOGENIC GRAINS</b>	
	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:

Nannofossil limestone

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
38	36	E	2A	1A	115	

Observer	STJ
LITHOLOGY:	<b>Dominant:</b> Claystone
	<b>Minor:</b>

COMPOSITION: % Terrigenous 100 % 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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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>
C	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Silty Claystone

Comments



Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1536	E	30R	1A	50	

Observer	STI
LITHOLOGY:	Dominant: <u>Clay</u>
	Minor:

COMPOSITION: % Terrigenous

100

% Biogenic

?

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	0	70

( = 100%)

**Abundance Code**

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
D	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
C	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Clay Mudstone

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	156	E	30R	2A	30	

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

COMPOSITION: % Terrigenous 100 % Biogenic \_\_\_\_\_ (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Comments

Clay  
mudstone

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1536	E	31R	1A	7cm	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

COMPOSITION: % Terrigenous 50 % Biogenic 50 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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: Coated  
Nannofossil ooze

Comments

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	31R	1A	57	

Observer	STI
LITHOLOGY:	<b>Dominant:</b> Clay
	<b>Minor:</b>

COMPOSITION: % Terrigenous

70%

% Biogenic

30%

(=100%)

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

(= 100%)

**Abundance Code**

≤10% = R (rare)

10% - 24% = C (common)

25% - 49% = A (abundant)

&gt; 50% = D (dominant)

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

biogenic siliceous rich

clay

mudstone

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	36	E	32R	1A	80	

Observer	Desc ✓
LITHOLOGY:	<b>Dominant:</b> <u>ST1</u> <u>clay</u> <b>Minor:</b> _____

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
C	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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:

Mudstone

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	36	E	334	2A	85	

*Desc*

Observer	<i>ST</i>
LITHOLOGY:	<b>Dominant:</b>
<i>Silt</i>	<b>Minor:</b>

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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)
<b>D</b>	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<b>A</b>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<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  
(Line 104)*

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
383	1536	E	33P	1A	83	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____
	<b>Minor:</b> _____

COMPOSITION: % Terrigenous 100 % Biogenic \_\_\_\_\_ (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Mudstone

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
882	1536	E	332	1A	85cm	

Observer	
LITHOLOGY:	<b>Dominant:</b>  <b>Minor:</b>  

COMPOSITION: % Terrigenous 100      % Biogenic 0      (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

Siltstone

Comments



Descr

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	136	E	33R	1K	85	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

COMPOSITION: % Terrigenous 100 % Biogenic \_\_\_\_\_ (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<u>Sheet Silicates</u>
	Biomite
	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
<b>BIOGENIC GRAINS</b>	
	<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:

Silt stone / Limestone

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
38	15	E	38	1A	above	

Observer	
LITHOLOGY:	<b>Dominant:</b> _____ <b>Minor:</b> _____

COMPOSITION: % Terrigenous 100 % Biogenic \_\_\_\_\_ (=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
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
<b>ACCESSORY/TRACE MINERALS</b>	
	<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
<b>BIOGENIC GRAINS</b>	
	<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:

mudstone

Comments

check for Altered glass