

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	B33	A	1H	1	20	

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

LITHOLOGY: silty clay (dominant) Foram + biosil (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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>	
	Sheet Silicates
R	Biotite ✓
	Muscovite
	Chlorite
	Fe-Mg silicates
	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
C	Foraminifers ✓
	Nannofossils
C	Calcareous debris (undifferentiated) ✓
	Siliceous
	Radiolarians
C	Diatoms ✓
	Silicoflagellates
	Sponge spicules ✓
C	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Foram + biosilica bearing  
silty clay

Comments

dominant  
arrow

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1535	A	14	2	75	

Observer	goc
----------	-----

LITHOLOGY: CLAY (dominant) (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5% (=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>
R	Glaucinite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments: NAME

CLAY

Comments

Descr

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
352	1335	A	2H	3A	110	

Observer	AG
----------	----

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 60 % Biogenic 40 (=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
	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)
<u>C</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>
<u>C</u>	Foraminifers
<u>R</u>	Nannofossils
<u>C</u>	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)

Comments: NAME

Diatom Rich Foram Rich  
Silty Clay

Comments

Contains perfectly  
Round 5H sized calcareous  
grains

→ paleontologists say  
too big for Nannos.

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	3H	1A	75	

Observer AS

Desc ✓

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
A	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>
R	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
C	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<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>
R	Radiolarians
C	Diatoms
	Silicoflagellates
A	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Foram Bearing  
 BioSil Bearing Silty Clay  
 Foram

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	3H	2A	126	

Observer	
----------	--

dominant  
minor

Desc

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
A	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
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
C	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments: NAME

Comments

BioSil Rich Foram  
Bearing silty clay

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
332	1575	A	3H	4A	75	

Observer	
----------	--

Desc ✓

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
A	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
C	Diatoms
	Silicoflagellates
A	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Comments

Bio

Diatom Rich

Sp Spic Rich

Silty clay

DESC

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
382	1535	A	24	3A	98	

Observer

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous \_\_\_\_\_ % Biogenic \_\_\_\_\_ (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

( = 100%)

**Abundance Code**

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

Ab. Code	Component
<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)

Comments: NAME

Comments  
Almost  
empty

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
372	193	A	2A	4A	17	

Observer \_\_\_\_\_

dominant  
minor

Desc ✓

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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
✓	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>
R	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)

Comments: NAME

comments

silty clay



dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
352	155	A	2H	6A	37cm	

Observer	
----------	--

Desc

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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>
	Glaucconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<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)

Comments: NAME

Comments

Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	1335	A	414	2A	30 cm	

Observer	AG
----------	----

dominant \_\_\_\_\_  
minor \_\_\_\_\_

Desc ✓

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	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>	
	<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
	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: Name

Comments

Sp Spic Rich Silty Clay

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
382	155A	4H	3A	30cm		

Observer	
----------	--

DESCR

LITHOLOGY: \_\_\_\_\_ (dominant) \_\_\_\_\_ (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
	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>
C	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)

Comments: NAME

Comments

Foram Rich  
Bio Sil Rich Clay

Desu

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
302	1535	A	SH	1A	75	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	70	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
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
	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Silty clay

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1535	D	54	2A	38 cm

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

COMPOSITION: % Terrigenous 95      % Biogenic 5      (=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
	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>
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
	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Silty clay

Desu

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	54	4A	25	

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

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
A	Quartz
R	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>	
	<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
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>
R	Radiolarians
	Diatoms
	Silicoflagellates
D	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Bio Sil Bearing  
silty clay

Deser

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	535	A	GH	1A	75 cm	

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

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

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

(= 100%)

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

Ab. Code	Component
<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>
C	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
C	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
	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Bio Sil. Bearing  
Silty clay

Disc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
132	1535	A	64	2A	137	

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

COMPOSITION: % Terrigenous

90

% Biogenic

10

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
60	35	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
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>
C	Amphibole (hornblende)
	Garnet
	Pyroxene
R	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
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Silty Sand



Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	3H	5A	31	

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

Clay

DESCV

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	7H	1A	75	

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

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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>	
	<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>
R	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Silty  
 Clay  
 Lots of pennate  
 Diatoms

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1535	A	84	1A	36	

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>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>
	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>A</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	1535	A	8H	1A	96	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
30	60	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
A	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>
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
A	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Comments

Diatom Rich Silt  
Sandy

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
832	1535	A	8H	2A	75	

Observer	
LITHOLOGY:	Dominant:
	Minor:

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

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

(= 100%)

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

Ab. Code	Component
<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>
R	Glaucinite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

Comments

Hamburgers @ 82/33  
 (Label @ 82/33)

DESC ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
832	1535	A	8H	5A	77	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
		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
	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:

Clay

Comments

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	535	A	10H	2A	75	

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

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

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

(= 100%)

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

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

Name:

Comments

Silty  
Clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	35	A	1011	7A	58	

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

COMPOSITION: % Terrigenous

90% Clayey Silt % Biogenic 10%

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
✓	70	30

(= 100%)

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

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

Name:

Clay Silt - Don't move  
Please!

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
182	35	A	11H	1A	213	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<u>45</u>	<u>55</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
<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>
<u>R</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

bioclastic Rich  
Silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
38235		A	11H	3A	751A

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

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

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

(= 100%)

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

70)  
81) mgt  
100s  
different

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
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
R	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<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: bioselection bearing  
Silt-Clay

Comments

diatoms, fragmented,  
Abundant  
silty clayey ~~to~~ diatom  
ooze

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
B2	35	A	11H	5A	313	

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

COMPOSITION: % Terrigenous

80

% Biogenic

20

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>15%</u>	<u>25%</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
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
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
R	Pyrite
	Fe-oxide / Fe-hydroxide

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

60% siliceous bearing  
 Name: Silty Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	35	A	11H	CC	30	

Observer	ST
LITHOLOGY:	Dominant: (Clay)
	Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
✓	10	90

(= 100%)

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

Ab. Code	Component
<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>
	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:

bioclastic bearing  
Clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	35	A	11H	CC	3	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>75</u>	<u>20</u>	<u>5</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
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
R	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
R	Glaucinite
	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
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

bi-siliceous bearing  
silt-clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	35	K	12F	1A	59	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>15</u>	<u>45</u>	<u>55</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>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: biocalcareous  
silt clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
282	35	A	12F	2A	76

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
		<u>100%</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>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
C	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
C	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
D	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:

ITS CLAY

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	35	A	13F	1A	111	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<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>C</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>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
<u>C</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
	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
<u>R</u>	Diatoms
	Silicoflagellates
	Sponge spicules
<u>R</u>	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	B5	A	B5	3A	41/41

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

COMPOSITION: % Terrigenous

60%

% Biogenic

40%

(=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
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>
C	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Name:

biogenic diatom  
bearing  
slty clay

Comments

Fragmented  
diatoms

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
	1535	A	14H	1	26	

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

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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>
C	Glauconite — most of sand
	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>
C	Foraminifers ✓
C	Nannofossils ✓
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
C	Diatoms ✓
	Silicoflagellates
C	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

Sandy silty Foram-nanno  
coze

Comments

glauconite mostly  
sand size

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1535	A	14	1	78	

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

COMPOSITION: % Terrigenous 98 % Biogenic 2 (=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>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
R	Amphibole (hornblende) ✓
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
D	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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: glauconite SAND

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1535	A	14	4	56	

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

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

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms ✓
R	Silicoflagellates
C	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	Others
	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 #
	1535	A	154	1	60	

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

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
C	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>	
	<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>
	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: Bio silica - bearing clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1535	A	16F	2	75	

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

COMPOSITION: % Terrigenous

90

% Biogenic

10

(=100%)

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

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

Ab. Code	Component
<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-bearing  
clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1535	A	17F	1	64	

Observer	goc
LITHOLOGY:	<u>Dominant:</u>
	Minor:

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=100%)

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

(= 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
C	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
	Diatoms
	Silicoflagellates ✓
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

biosilica-bearing  
clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	535	A	15F	4	31	

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

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
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
P	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
R	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name: Biosilica-bearing clay

Comments