

In Desklogie ✓  
up ✓  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U1534	A	1	1H 1A	51	1

Observer	
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LITHOLOGY: clay (dominant) silt (minor)

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>	
<u>C</u>	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
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Sponge spicule bearing  
silty clay.

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	41534	A	1	14 1A	74	1

Observer	TAR
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LITHOLOGY: silt (dominant) clay (minor)

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

**Comments:**

Foram bearing, nanno bearing  
diatom & spicule rich  
silty clay

Desk ✓  
up ✓  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1539	A	24	1A	75	

Observer	TAR
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LITHOLOGY: clay (dominant) silt (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
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>
	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
	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

silty clay

Desk ✓  
up ✓  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U334	A	2H	7A	81	81

Observer	
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LITHOLOGY: clay (dominant) silt (minor)

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

Comments:

Desk ✓  
up ✓  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A1	2A	3A	136	136

Observer	
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LITHOLOGY: CLay (dominant) SILK (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>—</u>	<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>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>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Comments:**

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U1534	A	24	<del>24</del> 3A	75	

Observer	TAR
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LITHOLOGY: clay (dominant) sl (minor)  
 COMPOSITION: % Terrigenous 95 % Biogenic 5 (=100%)

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

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

Comments:

Desk  
up  
EX✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	133	A	24	5A	50	50

Observer
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LITHOLOGY: CLAY (dominant) SILT (minor)

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
	Feldspar
	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
<u>R</u>	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: Name  
biogenic bearing  
silty clay

Desc. ✓ ex. ✓  
up. ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	41534	A	3H	1A	75	

Observer	TAR
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LITHOLOGY: clay (dominant) s.s. (minor)

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

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

Comments:

Plant Debris: Tasmanites Algae  
 bio-siliceous silty clay



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
32	1534	A	3H	2A	75	

Observer	ST
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LITHOLOGY: Terrestrial (dominant) biogenic (minor) *diatom rich*

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	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
R	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
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
C	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	3H	3A	75	

Observer	ST
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LITHOLOGY: Terrigenous (dominant) biogenic (minor)  
 COMPOSITION: % Terrigenous 70 % Biogenic 30 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	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
C	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>
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>
R	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)

Comments:

biogenic rich  
silty clay

Desk up Exp

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	3U	3A	7C	7F

Observer

LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous CLAY % Biogenic \_\_\_\_\_ (=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
<u>DR</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>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382U	1534	A	3H	3A	144	

Observer	ST
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best ✓  
np ✓ 224 ✓

LITHOLOGY: Terrigenous (dominant) Biogenic (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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
C	Quartz
	Feldspar
	K-feldspar
R	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
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
R	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	3H	4A	75	

Observer	ST
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LITHOLOGY: Terrigenous (dominant) biogenic (minor)  
 COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
/	20	80

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	3H	5A	75	

Observer	ST
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LITHOLOGY: Terrigenous (dominant) Biogenic (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 50 (=100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	311	6A	75	

Observer	ST
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LITHOLOGY: Terrigenous (dominant) Biogenic (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
30	1534	A	311	7A	69	

Observer	ST
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LITHOLOGY: Terrigenous (dominant) Biogenic (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	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
R	Quartz
	Feldspar
	K-feldspar
R	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
R	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	FS4	A	4	1	75	

Observer	
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LITHOLOGY: silty-clay (dominant) biosilica-bearing (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>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>	
	Sheet Silicates
<u>C</u>	Biotite ✓
	Muscovite
	Chlorite
	Fe-Mg silicates
<u>C</u>	Amphibole (hornblende) ✓
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
<u>R</u>	Pyrite ✓ <u>some frame boids</u>
	Fe-oxide / Fe-hydroxide

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

**Comments:**

high relief mineral - not  
zircon or quartz

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
	1534	A	44	2	75

Observer	
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LITHOLOGY: Silty clay (dominant) biosilica (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
A	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>
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 ✓ - unusual shapes
	Silicoflagellates
C	Sponge spicules L
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

small (250 um) framboid  
 pyritized carbonate

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	4H	2	114	

Observer	
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LITHOLOGY: Sandy silty clay (dominant) \_\_\_\_\_ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>710</u>	<u>20</u>	<u>10</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>
<u>R</u>	Biotite ✓
<u>R</u>	Muscovite ✓
	Chlorite
	<u>Fe-Mg silicates</u>
<u>C</u>	Amphibole (hornblende) ✓ - 6 to 2
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>C</u>	Glauconite ✓
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite ✓ - from Goids
	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>R</u>	Diatoms ✓
	Silicoflagellates
<u>R</u>	Sponge spicules ✓ - cool shapes
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	4H	3	75	

Observer	
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LITHOLOGY: Sandy - clayey (dominant) Sandy (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>25</u>	<u>50</u>	<u>25</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>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
<u>C</u>	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende) ✓
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<u>C</u>	Glauconite ✓
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
<u>C</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	4H	-4	75	

Observer	
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LITHOLOGY: silty clay (dominant) diatom-rich (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>2</u>	<u>40</u>	<u>58</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>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>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glaucanite ✓
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
<u>C</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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	4H	5	75	

Observer	
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LITHOLOGY: silty-clay (dominant) biosilica-bearing (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>5</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
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>R</u>	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>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glauconite ✓
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<u>C</u>	<u>Opaque Minerals</u> ✓
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1934	A	4H	6	75	

Observer	
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LITHOLOGY: silty clay (dominant) diatom-bearing (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>45</u>	<u>55</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>
<u>C</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>A</u>	Diatoms ✓
	Silicoflagellates
<u>C</u>	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
	1534	A	4A	7	50

Observer	
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LITHOLOGY: Silty-clay (dominant) diclom-bearing (minor)

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

Siliciclastic texture (%)			
% Sand	% Silt	% Clay	
<u>0</u>	<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>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>C</u>	<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 <u>✓</u>
	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>R-Frag</u>
<u>A</u>	Diatoms <u>✓</u>
	Silicoflagellates
<u>C</u>	Sponge spicules <u>✓</u>
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	1	75	

Observer	Mutsumi
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LITHOLOGY: Silty - clay (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
C	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	2	75	

Observer	Mutsumi
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LITHOLOGY: Clayey silt (dominant) biosilica-rich (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
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>
R	Biotite
R	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
K	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>
R	Foraminifers - <u>benthic</u>
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
R	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	3	75	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
0	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
	Feldspar
	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>
	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
	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	4	75	

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
70	10	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
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>
R	Biotite
R	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
R	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
R	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
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
782	1534	A	5H	5	75	

Observer	Mutsumi
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LITHOLOGY: Clay (dominant) diatom-rich (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	50	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
	Feldspar
	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>
C	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	6	95	

Observer Mutsumi

LITHOLOGY: Silty - Clay (dominant) diatom-rich (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1574	A	5H	7	75	

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

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
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>
	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>
R	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
R	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	5H	CC	19	

Observer	Mutsumi
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LITHOLOGY: Silty - Clay (dominant) biogenic-rich (minor)

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

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

(= 100%)

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

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U 1534	A	6H	1	75	

Observer	
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LITHOLOGY: clayey-silt (dominant) diatom rich, nanofossil-bearing (minor)

COMPOSITION: % Terrigenous 65 % Biogenic 45 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>60</u>	<u>40</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>R</u>	<u>Opaque Minerals</u> ✓
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
<u>R</u>	Foraminifers ✓ <u>Fragment</u>
<u>30 A</u>	Nannofossils ✓
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>C 15%</u>	Diatoms ✓
	Silicoflagellates
<u>C</u>	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	6H	2	75	

Observer	
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LITHOLOGY: Silty clay (dominant) biosilica-bearing (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	U 1534	4	84	3A	51	51

Observer	
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DESK  
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

**Abundance Code**  
 ≤ 1% = TR (trace)  
 1% - 10% = R (rare)  
 10% - 25% = C (common)  
 25% - 50% = 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>
<u>R ?</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
<u>P</u>	Pyrite
<u>R</u>	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
	U					
	1534	A	6H	4	75	

Observer	
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LITHOLOGY: Silty clay (dominant) biosilica-bearing (minor)

COMPOSITION: % Terrigenous \_\_\_\_\_ % Biogenic 40 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>35</u>	<u>65</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 ✓
	Feldspar ✓
	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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

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

fusiform beudantic diatom

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	A	6H	3	75	

Observer	
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LITHOLOGY: silty clay (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 92 % Biogenic 8 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>20</u>	<u>79</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>A</u>	Quartz ✓
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>R</u>	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>
	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>frag</u>
<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)

Comments: at least 2 nice glass shards

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	A	64	-5	75	

Observer	
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LITHOLOGY: clayey silt (dominant) biosilica-bearing (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	A	6H	6	75	

Observer	
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LITHOLOGY: clayey silt (dominant) biosilica-bearing (minor)

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

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

(= 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
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>
R	Biotite ✓
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
R	Glauconite ✓
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
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 = frag
C	Diatoms = frag
	Silicoflagellates
A	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Ash fragment

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	A	6H	7	60	

Observer	
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LITHOLOGY: clayey silt (dominant) biosilica-bearing (minor)

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	2A	3A	3A	81	81

Observer	
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LITHOLOGY: SILT (dominant) CLAY (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	7H	3A	115	115

Observer

DESK  
UP  
ST

LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous 50 % Biogenic 50 (=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
	Feldspar
	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>
K	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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1334	4	7H	3A	40	40

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
	Feldspar
	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
R	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	U1534	A	7H	5A	70	70

Observer	
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DESK  
UP  
EX

LITHOLOGY: SILT (dominant) CLAY (minor)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	3H	6A	70	70

Observer

LITHOLOGY: CLAY (dominant) SILT (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
	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
R	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	7H	6A	70	70

Observer	
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Desk ✓  
APEX ✓

LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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
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)
	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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

VERY BIOGENIC

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	84	1A	86	86

Observer	
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DESK UP  
EX

LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

**Abundance Code**

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	8H	2A	70	70

Observer	DESK ✓ UP E ✓
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LITHOLOGY: clay (dominant) silt (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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>
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>
R	Foraminifers ?
R	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)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	84	3A	20	20

Observer	
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DESK ✓  
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	8H	5A	70	70

Observer	
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DESK ✓  
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U1538	4	8H	7A	50	50

Observer	
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DESK UP ✓  
ER ✓

LITHOLOGY: SILT (dominant) CLAY (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	9H	14	70	70

Observer	
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DESK  
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LITHOLOGY: Clay (dominant) silt (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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
	<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	9H	2A	70	70

Observer	
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LITHOLOGY: SILT (dominant) CLAY (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

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

Ab. Code	Component
<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
	<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
328	U 1534	A	104	1A	100	100

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

Siliciclastic texture (%)			
% Sand	% Silt	% Clay	
—	20	80	(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
322	U 1534	A	10H	3A	21	21

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

**Abundance Code**

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	A	10H	4A	55	55

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	10H	6A	45	45

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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)
	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1531	A	114	3	40 cm	

Observer	
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Desk  
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LITHOLOGY: Clay Rich Diatom Rich (dominant) Biosiliceous Ooze (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	11 H	3	63	

Observer	
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Desk ✓  
up ✓  
ex ✓

LITHOLOGY: Ash bearing silty (dominant) Clay (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
C	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
TR	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	11H	3	80 cm	

Observer	AG
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desk ✓  
up ✓  
ex ✓

LITHOLOGY: Clay rich Diatom Rich (dominant) Biosiliceous (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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
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
2A	Diatoms
	Silicoflagellates
2A	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	11H	5	10cm	

Observer	
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Desic ✓  
up ✓  
ex ✓

LITHOLOGY: Diatom rich clay rich (dominant) Biosiliceous ooze (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
410%	10	90

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
282	U 1534	4	124	1A	75	75

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	12H	3A	4	75	75

Observer	
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E.  
UP  
EX.

LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	12H	3A	140	140

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

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

Ab. Code	Component
<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)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	A	12H	5A	25	25

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	4	12H	<<	4	4

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
	1534	A	13	2	56	

Observer	
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minor

LITHOLOGY: pyrite clayey silt (dominant) biosilica-rich (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

#### Abundance Code

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

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

Comments: dark  
greenish bill

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	13H	4	75	

Observer	Mutsumi
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LITHOLOGY: Silty - clay (dominant) diatom-rich (minor)

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

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

(= 100%)

**Abundance Code**

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	13H	7	75	

Observer	Mutsumi
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LITHOLOGY: Clay (dominant) biossilica-bearing (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	20	100

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	13H	1	75	

Observer	Mutsumi
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LITHOLOGY: Silty - Clay (dominant) <sup>silica</sup> Biogenic-bearing (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	14H	1	50	

Observer	Mutsumi
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LITHOLOGY: diatom-rich (dominant) clay (minor)

COMPOSITION: % Terrigenous 50 % Biogenic 50 (=100%)

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	16F	1	75	

Observer	Mutsumi
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LITHOLOGY: Silty - Clay (dominant) biosilica-bearing (minor)

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

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

(= 100%)

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

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	16F	3	75	

Observer	Mutsumi
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LITHOLOGY: Silty - Clay (dominant) Biosilica-bearing (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>C</u>	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>Opaque Minerals</u>
<u>A</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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	17F	1	75	

Observer	Mutsumi
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LITHOLOGY: Clay (dominant) biosilica-bearing (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	17F	3	75	

Observer	Mutsumi
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LITHOLOGY: Clay (dominant) \_\_\_\_\_ (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
32	134	A	RF	F1A	75	

Observer	ST
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3/13/19

LITHOLOGY: Silty Clay (dominant) biogenic (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
R	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>
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>
R	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

lot of Hornblende  
 compared to yesterday  
 Diatom ooze like  
 structure

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
302	1534	A	18F	C3A	75/75

Observer	ST
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LITHOLOGY: Clayey silt- (dominant) biossilaceous (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>75</u>	<u>25</u>

(= 100%)

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

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

Comments:

Very less fossils

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm. Slide #
302	1534	A	18F	4A	25/75

Observer	ST
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LITHOLOGY: Silty clay (dominant) bioclastic (minor)  
 COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

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

(= 100%)

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

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

Comments:

Silty clay

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
582	K34	A	BF	P1A	75/75

Observer	ST
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LITHOLOGY: Silty clay (dominant) biocalcareous (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C	Quartz
	Feldspar
	K-feldspar
R	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	Glaucconite
	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
R	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
TR	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
321534	A	19F	P3A	50/50	

Observer	ST
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LITHOLOGY: Silty clay (dominant) biossilaceous (minor)

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

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

(= 100%)

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

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	19F	F4A	20/70

Observer	ST
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LITHOLOGY: Silty clay (dominant) biogenic (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>40</u>	<u>60</u>

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
<u>C</u>	Quartz
	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
<u>R</u>	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<u>C</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>E</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>TR</u>	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	*Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	20A	2A	75/75

Observer	ST
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LITHOLOGY: Clayey Silt (dominant) bioclastic (minor)  
 COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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
A	Quartz
	Feldspar
	K-feldspar
R	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	Glaucinite
	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>
	Radiolarians
C	Diatoms
	Silicoflagellates
A	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	20F	2A	76/76

Observer	ST
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LITHOLOGY: Silty clay (dominant) biossilicious (minor)  
 COMPOSITION: % Terrigenous 80 % Biogenic 20 (=100%)

Siliciclastic texture (%)			(= 100%)
% Sand	% Silt	% Clay	
<u>10</u>	<u>40</u>	<u>50</u>	

**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
<u>R</u>	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>C</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
<u>A</u>	Pyrite
<u>R</u>	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	21F	3A	91/91

Observer	ST
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LITHOLOGY: Silty Clay (dominant) biosiliceous (minor)  
 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
	Feldspar
	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
<u>R</u>	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>Opaque Minerals</u>
<u>R</u>	Pyrite
<u>R</u>	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	534	A	22F	F4A	60/60

Observer	ST
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LITHOLOGY: clayey silt (dominant) biossilaceous (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>10</u>	<u>60</u>	<u>40</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
	Feldspar
<u>C</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>
<u>C</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
	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	22 F	FJA	75/5

Observer	ST
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LITHOLOGY: Silty Clay (dominant) biacilaceous (minor)  
 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)  
 > 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>
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
C	Diatoms
R	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Dicoster found in this sample.

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
32	1534	AA	23F	2A	82/84

Observer	ST
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LITHOLOGY: clayey silt (dominant) biocalcareous (minor)  
 COMPOSITION: % Terrigenous 90 % Biogenic 10% (=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>	
	<u>Sheet Silicates</u>
	Biotite
R	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>
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
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	24F	2A	75/75

Observer	ST
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LITHOLOGY: Silty clay (dominant) biocalcareous (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>✓</u>	<u>10</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>
<u>C</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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
682	1534	A	2F	9A	75/75

Observer	ST
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LITHOLOGY: Clayey Silt (dominant) bioclastic (minor)  
 COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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
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>
R	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
C	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
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
1532	1534	A	26F	F1A	75/75

Observer	ST
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LITHOLOGY: Clayey Silt (dominant) bioclastic (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
182	1534	A	26F	3A	36/36

Observer	ST
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LITHOLOGY: Silty Clay (dominant) biogenic (minor)  
 COMPOSITION: % Terrigenous 90 % Biogenic 10 (=100%)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
B2	1534	A	27F	3A	75/75

Observer	ST
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LITHOLOGY: Silty Clay (dominant) \_\_\_\_\_ (minor)

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

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

Comments:

Desk ✓  
hp ✓ ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
322	U 1534	A	28F	3A	135	135

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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
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)
	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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

BS bearing SC

Desk ✓  
up ✓ ex

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	<del>A</del>	<del>2A</del>	1A	76	76

Observer	
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LITHOLOGY: silt (dominant) clay (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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>	
C	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>
C	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
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

SC

Desk hp exv

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	V 1534	A	28F	1A	75	75

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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

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

(= 100%)

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

Ab. Code	Component
<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>
	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
R	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)

Comments:

SC

Desk  
up exv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1534	A	30F	3	75cm	

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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>
	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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Maybe a plant  
Fragment?

BS Bearing SC



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	30	3	75

Observer	
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Desk ✓  
upr ex ✓

LITHOLOGY: Clay (dominant) silt (minor)

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

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

(= 100%)

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

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

Comments:

BS Bearing SC

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	31	2	1cm	

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)

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
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>R</u>	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>C</u>	Diatoms
	Silicoflagellates
<u>A</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

BS Rich S.C

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	31	1	37	

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
	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
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

S.C

Desc ✓ up ev

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
582	1534	A	31	1	75	

Observer	
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LITHOLOGY: B Clay (dominant) Silt (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
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
<u>R</u>	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>C</u>	Radiolarians
<u>A</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)

Comments:

Bios Rich S.C

Desk  
up ex

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	BA	31	2	14cm	

Observer	
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LITHOLOGY: Clay (dominant) silt (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
	Feldspar
	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>C</u>	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Bios bearing S-C

up es ✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	31	3	40cm	

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

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

Comments:

Biosiliceous Rich  
Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	32T	1A	15	75

Observer	
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BEEC  
UP

LITHOLOGY: CLAY (dominant) SILT (minor)  
 COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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>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>
<u>R</u>	Glaucinite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
<u>R</u>	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	A	32F	3A	75	75

Observer	
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200x  
UP

LITHOLOGY: CLAY (dominant) SILT (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
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>
X	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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	A	33F	1A	75	75

Observer	
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DESC  
UP

LITHOLOGY: Cusy (dominant) Silt (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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>L</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>
<u>R</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
<u>C</u>	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	W1534	A	34	1	75 cm

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)  
 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)  
 > 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
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
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	34F	3A	75	75

Observer	
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DESC  
UP

LITHOLOGY: CLAY (dominant) SILT (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 134	A	35F	3A	75	75

Observer	
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UP  
EX  
C

LITHOLOGY: CLAY (dominant) SILT (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
	Feldspar
	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>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
<u>C</u>	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>E</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	A	35F	3A	75	75

Observer	
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LITHOLOGY: CLAY (dominant) SILT (minor)

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
<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>Opaque Minerals</u>
	Pyrite
<u>C</u>	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)

Comments:

Des 10V

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
368	1532	A	36	2A	75	75

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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>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
<u>C</u>	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>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Desov

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	4	36F	4A	36	36

Observer	
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LITHOLOGY: Silt (dominant) Clay (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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>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>
<u>R</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
<u>C</u>	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>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

AAA

Desc ✓  
up

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	37	1	75cm

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

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

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

(= 100%)

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

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

Comments:

SC



Desc ✓

up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
302	1534	A	37	3	37	

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)

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

Comments:

Silty Clay

Desc ✓ up ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
362	1594	A	38	1	75	

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)

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

Comments:

Des✓

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	<del>58</del>	A	38	2	32	

Observer	ap✓
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LITHOLOGY: <sup>1534</sup> Clay (dominant) Silt (minor)

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

Comments:

Spic Rich silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	38	3	75cm	

Observer	
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LITHOLOGY: Clay (dominant) silt (minor)

COMPOSITION: % Terrigenous 95 % Biogenic 5 (=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>	
<u>C</u>	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>
	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>C</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<b>BIOGENIC GRAINS</b>	
	<u>Calcareous</u>
<u>R</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:

F bearing silty clay

Desc

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
382	1534	A	38	CC	12	

Observer	
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upv

LITHOLOGY: Silt (dominant) Clay (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>70</u>	<u>30</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>	
<u>C</u>	Framework minerals
	Quartz
<u>C</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
<u>VR</u>	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>C</u>	Glauconite
	Chert
<u>TR</u>	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>R</u>	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Goethite!

Clayey silt

Descr up exv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	39	1	75	

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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>
<u>C</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)

Comments:

Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	A	39	3	75	

Observer	
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Desc ✓ up ✓

ex ✓

LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 85 % Biogenic 15 (=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>
<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>
<u>R</u>	Radiolarians
	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

BS bearing  
 Silty clay

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	40	3	75 cm

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>40</u>	<u>50</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
<u>R</u>	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>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
	Diatoms
	Silicoflagellates
<u>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Spp Rich S-Clay



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
982	1534	A	40F	F1A	75/75

Observer	ST
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LITHOLOGY: Silty Clay (dominant) bioclastic (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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
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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
82	LS34	A	40F	F3A	7575

Observer	ST
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LITHOLOGY: Silty Clay (dominant) bisileaceous (minor)

COMPOSITION: % Terrigenous 87 % Biogenic 15.1 (=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>
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>
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
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	134	A	4IF	F3A	75/75

Observer	ST
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LITHOLOGY: Silty Clay (dominant) biosiliceous (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>15</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>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
<u>R</u>	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>	
	<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>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>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Shell fragment found.

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	534	A	41F	F-4A	50/50	

Observer	
	ST

LITHOLOGY: Silty Clay (dominant) basilaceous (minor)

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
C	Quartz
	Feldspar
	K-feldspar
R	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
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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	42F	F2W	73773

Observer	ST
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LITHOLOGY: Silty clay (dominant) bioclastic (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>—</u>	<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
	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>C</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>CR</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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	1534	A	42F	F3W	414	

Observer	ST
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LITHOLOGY: Silty clay (dominant) biotaceous (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
	Framework minerals
C R	Quartz
	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
	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
02	153A	43F	43F	F2D	74/74

Observer	ST
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LITHOLOGY: Silty Clay (dominant) biocalcareous (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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
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>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
R	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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core    Sm.Slide #
382	1532	A	44	PIA	14/14

Observer	ST
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LITHOLOGY: Silty Clay (dominant) bioclastic (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>          </u>	<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>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>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<u>C</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>C</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	44F	F1A	106/18

Observer	ST
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LITHOLOGY: undifferentiated <sup>ASH</sup> clay (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 100% % Biogenic \_\_\_\_\_ (=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
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
<u>A</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
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
582	1534	A	46	X2A	48/48

Observer	ST
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LITHOLOGY: Silty Clay (dominant) bioclastic (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<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>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>
<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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	A	67A	X2A	50/50

Observer	ST
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LITHOLOGY: Silly clay (dominant) bioclastic (minor)

COMPOSITION: % Terrigenous 60% % Biogenic 40% (=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>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
<u>R</u>	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
<u>R</u>	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
<u>R</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>
	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)

Comments: Big sponge spicules

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	1H	1	35	

Observer	
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LITHOLOGY: clay silt (dominant) foram-diatom (minor) <sup>bearing</sup> Rich

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
	1534	C	1H	2	25

Observer	
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LITHOLOGY: Silty clay (dominant) biosilica-bearing (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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>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>
<u>R</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>
	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>L</u>	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	1H	1	3	75	

Observer	
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LITHOLOGY: Silty clay (dominant) \_\_\_\_\_ (minor)

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1334	C	1A	5	10	

Observer	
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LITHOLOGY: clayey silt (dominant) \_\_\_\_\_ (minor)

COMPOSITION: % Terrigenous 92 % Biogenic 8 (=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
<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>
	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
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
	1534	C	214	2	120

Observer	Soc
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LITHOLOGY: Silty clay (dominant) biosilica-bearing (minor)

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

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	2H	4	35	

Observer	SOC
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LITHOLOGY: silty clay (dominant) bio-silica-rich (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
D	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>	
	Sheet Silicates
R	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
R	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
R	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Comments:**

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	214	6	60	

Observer	
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LITHOLOGY: clayey silt (dominant) <sup>foram -</sup> biosilica Rich (minor)

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

Ab. Code	Component
<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:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	314	1	6	

Observer	
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LITHOLOGY: silty clay (dominant) bio silica-bearing (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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>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>	
	Sheet Silicates
<u>R</u>	Biotite ✓
	Muscovite
	Chlorite
	Fe-Mg silicates
	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>	
	Calcareous
<u>R</u>	Foraminifers
	Nannofossils
<u>R</u>	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
<u>C</u>	Diatoms ✓
	Silicoflagellates
<u>C</u>	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

*Saw another for deep  
low relief moderate  
biofingers*

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	3H	2	75	

Observer	
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LITHOLOGY: CLAY (dominant)                      (minor)

COMPOSITION: % Terrigenous 92 % Biogenic 8 (=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
	Feldspar
	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
	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
R	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	C	3H	-4	80	

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

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

Ab. Code	Component
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	534	C	3H	6	77	

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

Ab. Code	Component
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	C	7H	1A	75	75

Observer	Jerson
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LITHOLOGY: CLAYSTONE (dominant) BIOGENIC RICH (minor)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	C	7H	2A	42	42

Observer	<i>Gernoe</i>
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LITHOLOGY: SILT CLAY (dominant) BIOSILICIA-BEARING (minor)

COMPOSITION: % Terrigenous 80 % Biogenic 20 (=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>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>
<u>R</u>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<u>R</u>	<u>Opaque Minerals</u>
	Pyrite
<u>r</u>	Fe-oxide / Fe-hydroxide

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

**Comments:**



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U 1534	C	7H	3A	75	75

Observer GOMMER

LITHOLOGY: CLAY SILT (dominant) BIOGENIC RICH (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>70</u>	<u>30</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>	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<u>C</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
<u>R</u>	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>C</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U 1534	C	7H	CC	40	40

Observer	<i>Gordon</i>
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LITHOLOGY: Silt Clay (dominant) Biogenic BEARING (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>	
	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
R	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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Desc ✓ up ✓  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	E	414	6	45	

Observer	SO C
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LITHOLOGY: silty clay (dominant) diatom bearing (minor)

COMPOSITION: % Terrigenous \_\_\_\_\_ % Biogenic \_\_\_\_\_ (=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
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
R	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Dia Bearing  
silty clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
	1534	C	44	3	120	

Observer	SO C
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up  
ex

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

COMPOSITION: % Terrigenous \_\_\_\_\_ % Biogenic \_\_\_\_\_ (=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>
R	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)
	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)

Comments:

Biosil. bearing  
clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1334	C	414	2	12	

Observer	ROC
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LITHOLOGY: Silty clay (dominant) biosilica bearing (minor)

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

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

(= 100%)

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

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

Comments:

Desc

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erv

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	5H	6A	117	

Observer	
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LITHOLOGY: Clay (dominant) biosilice (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)

&gt; 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
C	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
R	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
R	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**Bio Sil Rich  
Clay

Desc ✓

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Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	C	6H	2A	103	103

Observer	
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LITHOLOGY: Silt Clay (dominant) Biosilicious BEARING (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
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
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)

Comments:

Bios Bearing Silty Clay

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ev

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	C	6	1A	75cm

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
0	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>	
	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
C	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Comments:**

sp. sp bearing Clay



Desc ✓

~PL  
ex ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	6	5A	75	

Observer	
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LITHOLOGY: Clay (dominant) Silt (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
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
R	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
R	Glaucconite
	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:

BioSilicious Silty Clay  
Rich

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	64	3A	75	

Observer	
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LITHOLOGY: clay (dominant) silt (minor)

COMPOSITION: % Terrigenous 26 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
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
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
C	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<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)

**Comments:**

Biosil bearing  
Silty Clay

Preserv

up

lt

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
392	1534	C	6	7A	40	

Observer	
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LITHOLOGY: Silt (dominant) Sp. Spics (minor)

COMPOSITION: % Terrigenous 70 % Biogenic 30 (=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
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>	
	Sheet Silicates
C	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
C	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Sp. Spic Rich  
Silt

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534c	C	5H	1A	35	35

Observer	Gomez
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LITHOLOGY: Silt Clay (dominant) NAUFOSSIL BEADINGS (minor) BIOCLASTS  
 COMPOSITION: % Terrigenous 40 % Biogenic 60 (=100%) 003E

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
	Feldspar
	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
R	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U 1534	C	5H	2A	75	75

Observer	Jensen
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LITHOLOGY: SILT CLAY (dominant) BIOGENIC BEARING<sup>21</sup> (minor)

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

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

(= 100%)

**Abundance Code**

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

Ab. Code	Component
<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
	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
C	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	5H	5A	75	75

Observer	Genon
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LITHOLOGY: SILT CLAY (dominant) NANO BEARING (minor) BIOFILICIOUS

COMPOSITION: % Terrigenous 40 % Biogenic 60 (=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>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>
<u>R</u>	Glaucanite
	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
<u>R</u>	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)

Comments:

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	5H	1A	75	75

Observer
Gerson

LITHOLOGY: Silt clay (dominant) Biotitic B (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
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
	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
R	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	8H	3A	75	75

Observer	Gerson
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LITHOLOGY: CLAY SILT (dominant) Biosilicious (minor)

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

Comments:



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	1534	C	8H	5A	75	75

Observer	<i>Cernan</i>
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LITHOLOGY: SILT CLAY (dominant) BIODILICIOUS (minor) BEARING

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
38L	154	C	8H	6A	22	22

Observer
<i>Sam</i>

LITHOLOGY: Muddy Sand (dominant) Basaltic. Tuff (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>60</u>	<u>10</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>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 ( <del>hornblende</del> )
	Garnet
<u>R</u>	Pyroxene
	Olivine
	Other indicator minerals
<u>R</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
<u>R</u>	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
<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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #	
382	U 1534	C	94	4A	75	75

Observer
<i>Green</i>

LITHOLOGY: Silt clay (dominant) Biosiliceous (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
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
	Glaucinite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
R	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)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
322	1534	C	9H	5A	70	70

Observer
G. J. ...

LITHOLOGY: Silt clay (dominant) Biotogenic (minor)

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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
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>
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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	9H	6A	75	75

Observer	<i>german</i>
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LITHOLOGY: clay silt (dominant) Biosiliceous (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>70</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>C</u>	Quartz
	Feldspar
	K-feldspar
<u>R</u>	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>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

**Comments:**

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	U1534	C	104	1A	75	75

Observer	
	<i>Spencer</i>

LITHOLOGY: Silt Clay (dominant) BIOGENIC (minor)

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

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

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	10H	4A	75	75

Observer
GORDON

LITHOLOGY: Silt clay (dominant) Biogenic (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
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
	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
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Biogenic

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	157	C	12	4	75	

Observer	
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Desc ✓

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

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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
C	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
	<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
A	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Rich  
 Rich  
 Sp Sp. Clayey Silt  
 bearing



Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	12	4	75 cm	

Observer	
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Desc ✓

LITHOLOGY: ~~Biotrich clay~~ (dominant) BioSil (minor)

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

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

(= 100%)

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

Ab. Code	Component
<b>SILICICLASTIC GRAINS/MINERALS</b>	
<u>C</u>	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
<u>CB</u>	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>	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>
<u>R</u>	Radiolarians
<u>A</u>	Diatoms
	Silicoflagellates
<u>RE</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

~~SP-SP~~

Diatom Rich  
Silty clay

Dese ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
302	1534	C	13	1	75cm	

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

COMPOSITION: % Terrigenous 75 % Biogenic 25 (=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>	
	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
E	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

bearing  
 Diatom ~~rich~~ ✓  
 Clay

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	C	13	3A	75cm

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

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

Comments:

BioSilicious bearing  
Clay

Desc ✓

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	13	6	75	

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

COMPOSITION: % Terrigenous 90 % Biogenic 10 (=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>	
<u>C</u>	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>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
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

Clay

dominant X  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	C	14	1	75	

Observer	SOC
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LITHOLOGY: Silty clay (dominant) 1 (minor)

COMPOSITION: % Terrigenous 92 % Biogenic 8 (=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
	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
	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
C	Diatoms ✓
	Silicoflagellates
C	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: Name

silty clay

Comments

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

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1539	C	14H	3	98	

Observer	Soc
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LITHOLOGY: clay (dominant) \_\_\_\_\_ (minor)

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

Comments: Name

clay

Comments  
opaques Abundant

dominant             
minor            X

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	U					
	1534	C	14H	5	119	

Observer	
	SOC

LITHOLOGY: deutritified Ash (dominant) Silty (minor)

COMPOSITION: % Terrigenous 92 % Biogenic 8 (=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
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
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
R	Sponge spicules ✓
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

silty deutritified Ash

Comments

lots of opaques, they  
make up a high  
component of the  
silt

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

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
	1534	A	14H	6	55	

Observer	SA
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LITHOLOGY: clay (dominant) biosilica bearing (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
	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
C	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: Name

biosilica-bearing clay

Comments



dominant Silt-Clay  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	15H	H2A	75/75	

Observer	ST
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LITHOLOGY: Silt Clay (dominant) (minor)

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
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
	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
R.	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Comments

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
382	1534	C	15H	H5A	15/75

Observer	ST
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LITHOLOGY: Silt clay (dominant) biogelium (minor)

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

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

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

Comments: Name

Comments

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	15M	C	15M	147M	40/40	

Observer	ST
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LITHOLOGY: Silt clay (dominant) (minor)

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

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

(= 100%)

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

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

Comments: NAME

Comments

dominant  
minor

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	C	15H	CC	10/10	

Observer	ST
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LITHOLOGY: Clayey silt (dominant) (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	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
A	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	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
	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Comments

dominant Silt  
minor R

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
282	1534	C	16M	H1A	1975	

Observer	ST
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LITHOLOGY: Clay Silt (dominant) \_\_\_\_\_ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>15</u>	<u>60</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>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>C</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>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
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: Name

comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
52	1534	C	16H	14A	75/75

Observer	ST
LITHOLOGY:	Dominant:
	Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
15	30	55

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

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

Name:

Comments

dominant clay  
minor ST

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
182	1534	C	15H	H6R	95/75	

Observer	ST
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LITHOLOGY: Silt Clay (dominant) \_\_\_\_\_ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<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>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
	Opaque Minerals
<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
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments: NAME

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
82	1534	C	17H	12A	75/75	

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>C</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
	Diatoms
	Silicoflagellates
<u>R</u>	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	1459	C	PH	4A	7578

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>95</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>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>C</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>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:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
R2	154	C	PH	7A	75/75

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
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>
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>
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
	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 #
82	134	C	181	11A	75/2

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

COMPOSITION: % Terrigenous

85

% Biogenic

15

(=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>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>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:

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
38215M	C	BN	SA	75		

Observer	ST
LITHOLOGY:	Dominant:
	Minor:

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>95</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
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>	
	<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
	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	1534	C	19M	H3A	65/61

Observer	ST
LITHOLOGY:	Dominant:
	Minor:

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
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
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
R	Radiolarians
	Diatoms
	Silicoflagellates
C	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	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	1534	D	114	6	75 cm

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

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
<u>A</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
<b>VOLCANIC/PLUTONIC GRAINS</b>	
	Euhedral crystals
	Vitric grain (glass, pumice)
<u>R</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
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
382	1534	D	114	3	75	

Observer	
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LITHOLOGY: clay (dominant) silt (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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>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>
<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
	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

**Comments:**

Silty Clay

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
362	1534	D	1H	1A	75cm

Observer	
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LITHOLOGY: Clay (dominant) Silt (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
<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
<u>R</u>	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<u>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
<del><u>R</u></del>	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Silty  
Clay



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	D	2H	1A	15/75

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</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
	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>C</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>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: biosilica-bearing silty clay

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
		D	21	2A	7575	

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

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
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
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
	Diatoms
	Silicoflagellates
R	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 #
		D	2H	3A	75/75

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<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
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>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
C	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
C B	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>
R	Foraminifers
	Nannofossils
R	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
R	Diatoms
	Silicoflagellates
A	Sponge spicules
C	Siliceous debris (undifferentiated)
	<u>Others</u>
	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 #
		D	2N	4A	75/75	

Observer	ST
LITHOLOGY:	Dominant: 1 Minor:

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
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
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
C	Foraminifers
	Nannofossils
C	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:

Foram Rich  
biosiliceous ooze

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #
		D	2M	5A	75/75

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

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

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

(= 100%)

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

Ab. Code	Component
<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>
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>
R	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
C	Diatoms
	Silicoflagellates
R	Sponge spicules
R	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 #
		D	2H	6A	75/75

Observer	ST
LITHOLOGY:	Dominant:
	Minor:

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
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	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
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 #
182	1424	D	3N	16A	75/75

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

COMPOSITION: % Terrigenous

55

% Biogenic

45

(=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>55%</u>	<u>45%</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>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>C</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<u>C</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
<u>R</u>	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>C</u>	Sponge spicules
<u>C</u>	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Name:

bi-siliceous rich  
clayey silt

Comments

Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	D	31	H5A	87/87

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>7</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>	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
<u>C</u>	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>P</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
<u>R</u>	Pyrite
<u>R</u>	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:

*bio-siliceous bearing  
silty clay*

Comments



Leg	Site	Hole	Core	Section	Position (cm) in core      Sm.Slide #
382	1534	D	3H	13A	58/58

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

COMPOSITION: % Terrigenous 74%

% Biogenic 26%

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

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

Name: bioclastic bearing clay

Comments