

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	1	1P	40	5501

Observer	Ruthie
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LITHOLOGY: diatom ooze (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>0</u>	<u>10</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
R	Fe-oxide / Fe-hydroxide

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

Comments:

mostly pennate diatoms, some centric,
a few eucampia

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	1	1	71	552

Observer Rufie

LITHOLOGY: Alatom ooze (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
R	Radiolarians
D	Diatoms <i>mostly pennate, some centric</i>
	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 #
379	1533	A	I	1	143	553

Observer	Roth
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LITHOLOGY: clay (dominant) _____ (minor)

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

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

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
R	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
BIOGENIC GRAINS	
	<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 #
379	1533	A	1	2	95	55 4

Observer	Rothie
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LITHOLOGY: clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	1	3	100	555

Observer Rutwie

LITHOLOGY: diatom ooze (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	Radiolarians
D	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 #
379	1533	A	1	4	65	556

Observer Ruthie

LITHOLOGY: diatom ooze (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>7</u>	<u>20</u>	<u>80</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Flocculated (w/ clay?)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	1	7	15	SS 7

Observer	Rosnie
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LITHOLOGY: diatom-bearing mud (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>5</u>	<u>20</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glauconite
	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
BIOGENIC GRAINS	
	<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:

coarse silt opaque minerals ~ 3%

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	1	7	57	558

Observer	Ruthie
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LITHOLOGY: diatom ooze (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>20</u>	<u>80</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glauconite
	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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
<u>TR</u>	Radiolarians
<u>D</u>	Diatoms
	Silicoflagellates
<u>A</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

coarse silt to sand size
 opaque minerals ~ 4%

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1633	A	2	1	108	SS 9

Observer Putni

LITHOLOGY: silty clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>20</u>	<u>80</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<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
 BIOGENIC GRAINS	
	<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 #
379	1533	A	2	1	120	55 10

Observer	Potvin
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LITHOLOGY: sandy silt (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

"sandy" layer

well-sorted coarse silt

lots of interesting lg. minerals

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1533	A	2	2	38	SS1P

Observer	Rathie
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LITHOLOGY: Sandy clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
40	10	50

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
C	Manganese Oxide ~ 15%
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

sandy bed
lots of manganese clumps

~~to large sand grains~~
~~to clay~~

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
37A	1533	A	2	2	120	SS12

Observer Rutnie

LITHOLOGY: clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

TR
 fragments of either vitric grains
 or radiolarian
 fragment

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
37A	1533	A	2	3	35	SS13

Observer Rutnic

LITHOLOGY: clayey diatom ooze (dominant) (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	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 #
379	1333	A	2	3	93	SS14

Observer	Ruthie
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LITHOLOGY: silty clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
37a	1533	A	Z	4	140	SS15

Observer	Rothie
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LITHOLOGY: diatom rich clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	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 #
37A	1533	A	Z	6	100	55/6

Observer	Ruthe
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LITHOLOGY: clayey diatom ooze (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	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 #
379	1533	A	2	7	42	SS17

Observer	Ruthee
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LITHOLOGY: diatom bearing silty clay (dominant) _____ (minor)

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

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

(= 100%)

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

Ab. Code	Component
	SILICICLASTIC GRAINS/MINERALS
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
	VOLCANIC/PLUTONIC GRAINS
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
	ACCESSORY/TRACE MINERALS
	Sheet Silicates
	Biotite
	Muscovite
TR	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
	BIOGENIC GRAINS
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	Radiolarians
R	Diatoms - 5.6
	Silicoflagellates
R	Sponge spicules - 10.6
	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 #
37A	1533	A	2	5	89	ss 18

Observer	Putie
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LITHOLOGY: manganese! (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
D	Manganese Oxide 100%
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1533	A	3	1	100	ss 19

Observer Potnie

LITHOLOGY: diag tom rich mud (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	50	50

(= 100%)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1533	A	3	2	95	ss20

Observer Ruthie

LITHOLOGY: clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
319	1533	A	3	4	65	5521

Observer	<i>Ruthie</i>
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LITHOLOGY: diatom bearing silty clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<i>C</i>	Diatoms
	Silicoflagellates
<i>C</i>	Sponge spicules
<i>C</i>	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 #
379	1533	A	203	6	31	55 24

Observer Ruthie

LITHOLOGY: Silty clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>25</u>	<u>75</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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
<u>TR</u>	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>TR</u>	Glauconite
	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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
<u>R</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 #	
579	1533	A	3	6	85	of 25

Observer P. White

LITHOLOGY: bio-beaning silty clay (dominant) _____ (minor)

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

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

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	Radiolarians
R	Diatoms
	Silicoflagellates
R	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 #
37A	1533	A	3	5	69	5522

Observer	Rutue
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LITHOLOGY: silty clay (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
TR	Diatoms
	Silicoflagellates
TR	Sponge spicules
C	Siliceous debris (undifferentiated) ~10%
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
579	1583	A	3	5	74	5523

Observer	Rutwie
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LITHOLOGY: clayey biotite ooze (dominant) _____ (minor)

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

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

(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
R	Diatoms
	Silicoflagellates
R	Sponge spicules
A	Siliceous debris (undifferentiated) ~ 40
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm. Slide #
379	1933	A	3	5	49	55 26

Observer	Ruthe
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LITHOLOGY: muddy diatom ooze (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	40	60
(= 100%)		

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
TR	Radiolarians
C	Diatoms
	Silicoflagellates
C	Sponge spicules
C	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

large intact diatoms, large fragments