

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
399	1532	G	2R	1A	111	SS1

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	7	93

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
tr	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>
Tr	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
Tr	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
Tr	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
Tr	Fish Remains (teeth, bones, scales)

Comments:

Fragments of diatoms & sponge
 spicules
 - possible fish skin according to paleo
 guys. picture provided

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
99	1532	G	2R	5A	84	SS2

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	12	88

(= 100%)

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

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

TR very fine silt size diatom fragment present

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	3R	2A	76	553

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
C	Quartz
TR	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>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	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
TR	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
TR	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
3P1	1532	G	3R	5A	132	SS4

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 94 % Biogenic 6 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	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
TR	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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
TR	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	4R	3A	136	DS 6

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
Tr	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
Tr	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
? Tr	Fish Remains (teeth, bones, scales)

Comments:

maybe fish skin?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	4R	1A	119	SS5

Observer OR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
<u>C</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
<u>TR</u>	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
<u>TR</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
	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	1532	G	5R	Z	140	556

Observer	Rubie
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LITHOLOGY: _____ (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>
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>
	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	1532	G	5R	4	35	557

Observer	Rothie
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LITHOLOGY: biosiliceous - beaming mud (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	9	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
TR	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
C	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

falc/serp OR fish skin
 common
 vitric grains

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	5R	4	117	558

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	7	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>
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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
TR	Diatoms - fragment
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

"talc" / fishy complex

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	5R	4	121	559

Observer	Rothnie
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	90	0

(= 100%)

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

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

coarse silt, well-sorted
 taken from white lens/pod
 in greenish layer

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1532	G	6R	3	40	5510

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

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

Comments:

carbonate-cemented layer!

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
5A	1532	G	6	4	55	ss 11

Observer BR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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)
R	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	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	1532	G	7R	2	50	SS 12

Observer Ruthie

LITHOLOGY: silty clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>3</u>	<u>27</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
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>C</u>	Glauconite <u>~ 25%</u>
	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:

"talc" filaments

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	7R	2	136	5513

Observer Ruthie

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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	
	Sheet Silicates
	Biotite
	Muscovite
<u>TR</u>	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
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
BIOGENIC GRAINS	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
<u>TR</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 #
379	1534	G	7R	3	28	5514

Observer Ruthie

LITHOLOGY: _____ (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	
	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
	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	1532	G	7R	5	125	ss 15

Observer Ruthie

LITHOLOGY: _____ (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
	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
C	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:

likely a pyritized diatom
 (Masao)
 lots of opaque minerals
 (taken from black laminae)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	8R	1	80	ss 16

Observer Rothie

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	30	65

(= 100%)

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

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

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

Comments:

- * had lg. sand grains that had to be pushed off ss slide
- taken from sed. intraclast
- "falc" filaments
- common sandsize grains with higher-order colors - unknown
- * many grains > 100 um and > 200 um dark inclusions & tangles pervade many fsp grains

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
599	1532	G	8R	5	94	SS17

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
20	10	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
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TR	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:

taken from sed. intraclast

lot of ~~large~~ sand grains,
 transparent & textured
 (vitric??)
 must be

Many grains > 100 μm & 200 μm

Qz w/ rutile inclusions observed
 & photographed.

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	8R	3	102	ss 18

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	28	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
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

(top of green unit)

"talc" filament

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	8R	5	93	ss19

Observer Pattice

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
	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:

(top of small green unit)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	9R	1A	84	20

Observer	CS
----------	----

LITHOLOGY: Clay (dominant) Silt (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>14</u>	<u>85</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
C	Quartz
C	Feldspar
	K-feldspar
R	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
	Biotite
TR	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
TR	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>
	Radiolarians
TR	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
TR	Fish Remains (teeth, bones, scales)

Comments: 2 ss made from same Tpick
 "A" SS not of good quality -
 Clumped clays
 "B" much better but opp problem;
 spread of grains & clay

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	9R	4A	127	SS 21

Observer	DR
----------	----



LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
8	42	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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
TR	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
TR	Fe-oxide / Fe-hydroxide

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

Comments:

Glaucanite grain sand size.
Picture provided (SS21B)

SS taken from sand clast

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	9R	1A	45	SS22

Observer	CS
----------	----

LITHOLOGY: Clay (dominant) silt (minor)

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

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

(= 100%)

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

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

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

Comments: Sampled from 'black'/grey black Mn oxides? or sulfidic layer "rod" or rectangle shape could be pyritized spicule fragments

Add Pyrite to DL!

?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	10	1A	73	5523

Observer	MARIANJA
----------	----------

LITHOLOGY: clay (dominant) silt (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	15	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
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
TR	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
?	Sheet Silicates
	Biotite
TR	Muscovite
TR	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
TR	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
TR	Opaque Minerals
	Pyrite
TR	Fe-oxide / Fe-hydroxide

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

Comments:

TR - fish skin

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	10	4A	89	5524

Observer	MARIANA
----------	---------

LITHOLOGY: Clay (dominant) Silt (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
0	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
TR	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glaucanite
	Chert
TR	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
TR	<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>
	Radiolarians
TR	Diatoms
	Silicoflagellates
TR	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	1532	G	10R	1A	104	SS25

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
0	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
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TR	Glauconite
	Chert
TR	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
TR	Pyrite
TR	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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Mostly Diatom Fragments - a few whole ones

Transparent -

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	11R	4A	31	5526

Observer _____

CSA
bearing

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	30	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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TR	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
R	Diatoms
	Silicoflagellates
R	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

from soft sediment clast
 glauconite present
 diatom & sponge spicules
 present.

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	11R	2A	72	5527

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>2</u>	<u>18</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
<u>R</u>	Quartz
<u>tr</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>tr</u>	Biotite
	Muscovite
<u>tr</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>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>tr</u>	Diatoms
	Silicoflagellates
<u>tr</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
<u>tr</u>	Fish Remains (teeth, bones, scales)

Comments:

FISH SKIN?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	11R	2A	119	5528

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
TR	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
TR	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
TR	Fish Remains (teeth, bones, scales)

Comments:

TR biogenics
 Fish skin?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	11R	1A	46	5529

Observer	DR
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beating

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	20	88

(= 100%)

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

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

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

Comments:

Glaucanite?
 Fragment of diatoms & sponge
 spicules
 pyritized diatoms
 Cocconeis

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	11R	4A	93	5530

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	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
TR	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:

pyritized diatom fragment

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	12R	2A	151	5581

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
DR	Biotite
TR	Muscovite
TR	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glaucanite
	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>
	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	1532	G	12R	5A	46.5	5532

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	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
TR	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
	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	1532	G	12R	6A	2.5	SS33

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>60</u>	<u>40</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
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	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>TR</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:

SR taken from 150ft sediment
 clast

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	13R	2	61	ss 34

Observer	Futner
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LITHOLOGY: Silty clay (dominant) _____ (minor)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
399	1532	G	BR	2	129	5535

Observer Ruthie

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	50	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
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>
TR	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
TR	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

in lamination near slurry

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	13R	4	94	SS36

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	10	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>
A	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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
TR	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	13R	4	113	5537

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	18	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>
A	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
399	1532	G	13R	4	134	SS38

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

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
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
R	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
	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	1532	G	14R	1	139	55 39

Observer Ruthie

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 93 % Biogenic 7 (=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>
A	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

pyrite ???

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	14R	AA	85	SS 1

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	60	35

(= 100%)

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

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

Comments:

pyrite

SD taken from dark layer, anomaly seen on x ray

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm. Slide #
379	1532	G	15R	3	246	5540

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	20	75

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

Comments:

layer of ^{dark} dispersed sand grains

"fish" filaments and textured "skin"

most sand grains don't appear opaque, although that's what it looks like with hand lens

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1532	G	15R	5	39	5541

Observer	<i>Ruthe</i>
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LITHOLOGY: *silty clay* (dominant) _____ (minor)

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

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

(= 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
<i>TR</i>	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>
<i>TR</i>	Biotite
	Muscovite
<i>TR</i>	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>
<i>TR</i>	Radiolarians
<i>TR</i>	Diatoms
	Silicoflagellates
<i>R</i>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
<i>TR</i>	Fish Remains (teeth, bones, scales)

Comments:

from possible "baby" green layer

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	15R	5	90	5542

Observer P. White

LITHOLOGY: silty clay (dominant) _____ (minor)

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	15R	4	76	5543

Observer	CD
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LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 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
R	Zeolite
	<u>Opaque Minerals</u>
C	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:

from dark ~~smatters~~ / lenses in core

dominant clay-sized almost (but not quite)
opaque grains with low birefring.

CD: zeolites possibly present?
long, prismatic

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	16R	3	4	5544

Observer Ruthie

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>1</u>	<u>14</u>	<u>85</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	
	Sheet Silicates
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	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
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
<u>TR</u>	Diatoms
	Silicoflagellates
<u>R</u>	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
<u>TR</u>	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	10R	3	60	5545

Observer Ruthie

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=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
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>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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
<u>TR</u>	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	16R	3	120	5546

Observer Rutler

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=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
	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
<u>TR</u>	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	17R	3A	46	5547

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
TR	Fe-oxide / Fe-hydroxide

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

Comments:

opaque elongate grains?
 (p. core sent to paleo)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	17R	6A	67	554g

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
<u>R</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
<u>TR</u>	Biotite
<u>TR</u>	Muscovite
<u>TR</u>	Chlorite
	Fe-Mg silicates
<u>TR</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>TR</u>	Fe-oxide / Fe-hydroxide

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

Comments:

TR pyritized diatom fragments
 & possible sponge spicules

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	18R	1A	30	SS49

Observer	DK
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5?	75	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
A	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	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:

SS taken from silt pod

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	18R	1A	77.5	SS50

Observer	DE
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
	Feldspar
	K-feldspar
TR	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	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
TR	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:

TR fragments of diatoms & sponge spicules

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	18R	3A	129.5	SS 51

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	75	15

(= 100%)

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

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

Comments:

Glauconite grain picture provided

SS taken from silt pod layer

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	18R	5A	16.5	SS52

Observer	DP
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
TR	Feldspar
	K-feldspar
TR	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	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
TR	Pyrite
R	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
	Siliceous debris (undifferentiated)
<u>Others</u>	
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

TR fragments of
Diatom & sponge spicules

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	18R	5A	35	SS 53

Observer	DP
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	20	77

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	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>
TR	Pyrite
TR	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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

TR fragments of diatoms/sponge spicules pyritized?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	18R	5A	96	SS54

Observer DE

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 98 % Biogenic 2 (=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
<u>R</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	Fe-Mg silicates
<u>TR</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>TR</u>	Pyrite
<u>TR</u>	Fe-oxide / Fe-hydroxide

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

Comments:

TR fragments of diatoms/sponge spicules pyritized?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	19R	2A	95	5555

Observer DE

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	24	75

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	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
TR	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:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	19R	4A	48	5556

Observer	<i>AR</i>
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
<i>R</i>	Quartz
<i>TR</i>	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>
<i>TR</i>	Biotite
	Muscovite
<i>TR</i>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
<i>tr</i>	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>
<i>TR</i>	Pyrite
<i>TR</i>	Fe-oxide / Fe-hydroxide

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

Comments:

SS taken from 'green' unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	20R	2A	80	SS57

Observer	DP
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
TR	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>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
TR	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	1532	G	20R	AA	79	5558

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	27	70

(= 100%)

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

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

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	202	4A	120	5559

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	20	75

(= 100%)

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

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

TR diatom fragment pritized

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	20R	5A	54	5560

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TT	Biotite
TT	Muscovite
TT	Chlorite
	<u>Fe-Mg silicates</u>
TT	Amphibole (hornblende)
	Garnet
TT	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
TT	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	1532	G	ZIR	4	89	5561

Observer	Ruthie
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LITHOLOGY: silt (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
1	90	9

(= 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>
TR	Biotite
	Muscovite
R	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
TR	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:

silt lens

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	ZIR	4	127	5562

Observer	<i>P. Tuttle</i>
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LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=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	
	Sheet Silicates
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
<u>K</u>	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	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	1532	G	23R	6	27	5563

Observer Rutna

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	
	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
	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	1532	G	23R	6	39	5504

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	20	78

(= 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>
A	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
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:

taken from greenish gray unit
 pyritized diatom fragment

Reexamined by
 CB - glauc.
 overestimated
 s.b. R
 =

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	23R	7	20	5565

Observer	Rothlie
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LITHOLOGY: Silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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>
C	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
TR	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:

taken from laminated greenish gray
bioturbated layer

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	24R	5	124	5566

Observer	<i>Reuter</i>
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LITHOLOGY: *silty clay* (dominant) _____ (minor)

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

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

(= 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>
<i>TR</i>	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<i>C</i>	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	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
	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	1532	G	25R	6	50	5567

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

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>30</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>
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
<u>R</u>	Glaucanite
	Chert
	Zircon
<u>TR</u>	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
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	1532	G	27R	2A	109	5568

Observer	
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
R	Quartz
Tr	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
Tr	Biotite
	Muscovite
tr	Chlorite
	Fe-Mg silicates
Tr	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glaucinite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
Tr	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:

Tr fragment of diatom
 Star shaped grain (picture provided)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	27R	5A	126	5569

Observer	
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
TR	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
BIOGENIC GRAINS	
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	28R	1A	71.5	5570

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	12	88

(= 100%)

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

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

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

Comments:

TR diatom fragment
 mineral grains too small for detailed analysis.

SS taken from
 Dark green layer (1 cm thick)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	28R	2A	36	5571

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	22	75

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
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:

base of green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	28R	4A	105	5572

Observer	
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	25	73

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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>
TR	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:

black band

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	28R	5A	145	5573

Observer	DR
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carbonate cemented

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

Comments:

Mineral grain field we sent to paleo
 women textured, ~ common

Carbonate cement

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1532	G	29R	1A	93	557A

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	20	78

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
TR	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	1532	G	29R	5A	93	5575

Observer	
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
10	75	15

(= 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
A	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
R	Biotite
	Muscovite
R	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
TR	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	1532	G	29R	5A	76	SS76

Observer	DR
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carbonate cement

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	50	45

?
(= 100%)

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

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

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

Comments:

Carbonate cement

plant material present

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	30R	2A	126	SS77

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
TR	Muscovite
TR	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
Other indicator minerals	
	Glaucanite
	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>
	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	1532	G	30R	3A	82	SS78

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic 0 (=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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
TR	Muscovite
R	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
TR	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>
TR	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	1532	G	30R	6A	63	SS79

Observer	
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Carbonate cement

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
TR	Muscovite
TR	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
D	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
TR	Fe-oxide / Fe-hydroxide

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

Comments:

Carbonate

lighter tan layer above green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	30R	6A	97	580

Observer

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	27	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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
TR	Biotite
	Muscovite
TR	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	Other indicator minerals
	Glaucanite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
TR	Fe-oxide / Fe-hydroxide

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

Comments:

Taken from middle green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	31R	3A	34	SS 81

Observer

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
7	33	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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
R	Biotite
	Muscovite
R	Chlorite
	Fe-Mg silicates
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
Other indicator minerals	
	Glaucanite
	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>	
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
<u>Others</u>	
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Taken above carbonate cemented interval.

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
B79	1532	G	31R	AA	50.5	SS82

Observer	
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	27	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
R	Quartz
TR	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
R	Biotite
	Muscovite
R	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
TR	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
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 #
370	1532	G	32	1	47	83

Observer RJR

LITHOLOGY: clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous we % Biogenic 0 (=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
<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>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	K32	G	32	1	61	84

Observer BJR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
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>R</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	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
	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 #
378	1532	G	32	2	50	85

Observer RKL

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
<u>R</u>	Chlorite
	Fe-Mg silicates
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
	Fe-oxide / Fe-hydroxide

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

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	33R	2	76	5586

Observer Ruthie

LITHOLOGY: clayey silt (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	58	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
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
TR	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
R	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:

bottom of fining-upward sequence
 (testing)
 ✓ true!

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	33R	2	76	ss 87

Observer	Ruthie
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LITHOLOGY: Silty clay (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
	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	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>
R	Pyrite
TR	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:

top of fining-upward interval (testing)
 ✓ true

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	34R	5	42	ss 88

Observer Ruthee

LITHOLOGY: clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>5</u>	<u>95</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
	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>TR</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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

top of greenish gray unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	34R	6	40	5589

Observer Pature

LITHOLOGY: silty clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=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
	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
<u>TR</u>	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
<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
<u>TR</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	152	G	36R	3A	51	SS90

Observer

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	30	67

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
C	Quartz
C	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>
TR	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TV	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>
	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	1532	B	362	5A	56	SS91

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

Taken from base of green unit

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1532	G	36R	5A	3A	5592

Observer	CS
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LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

pyritized spicule fragments
 Epidote, subhedral

taken from middle green unit.

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	37	2	80	SS 93

Observer	CS
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Check label!

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

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

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

Comments:

∅ biog

↑
 sec 2
 ↓
 Nic, walk
 correction?

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	37	5	84	5594

Observer	C5
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LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
C	Quartz
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
TR	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
R	Muscovite
R	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
TR	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
TR	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	1532	G	37	SR	106	5595

Observer CS

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
<u>C</u>	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>R</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
<u>TR</u>	Pyroxene
<u>TR</u>	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
	Zircon
<u>TR</u>	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
<u>R</u>	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	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	1532	G	37	BA	4	SS 97

Observer CS

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

No biogenic observed
 Silicate grains very fine silt

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	39R	1	100	5598

Observer Ruthie

LITHOLOGY: silly clay (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic _____ (=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
<u>R</u>	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
	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	1532	G	40R	4	94	5599

Observer	<i>JK</i>
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>5</u>	<u>20</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
<u>R</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>R</u>	Biotite
<u>TR</u>	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
<u>TR</u>	Amphibole (hornblende)
	Garnet
<u>TR</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
<u>TR</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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

sea intraclast

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	AIR	2A	77	55100

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
<u>R</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
<u>TR</u>	Biotite
<u>TR</u>	Muscovite
<u>TR</u>	Chlorite
	Fe-Mg silicates
<u>TR</u>	Amphibole (hornblende)
	Garnet
<u>TR</u>	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
<u>TR</u>	Fe-oxide / Fe-hydroxide

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

Comments:

TR diatom fragment

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	AIR	3A	68	55101

Observer	DK
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic 0 (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
TR	Biotite
R	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
A	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:

dark green layer

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	41R	1A	28	55/02

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Diatom fragments
 Foramin fragment
 (picture provided)

Leg	Site	Hole	Core	Section	Position (cm) in core	Sm.Slide #
379	1532	G	41R	5A	76	SS103

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
2	23	75

*ensure how to
percentage this?*
(= 100%)

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

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

Ab. Code	Component
BIOGENIC GRAINS	
<u>Calcareous</u>	
TR	Foraminifers
TR	Nannofossils
R	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:

*Forams & nanos present
(picture provided)*

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	41R	5A	58	55104

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic 0 (=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
R	Quartz
TR	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>
TR	Biotite
TR	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
tr	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
TR	Fish Remains (teeth, bones, scales)

Rutue

Comments:

fishing bit! (Rutue)
 CHT checked for nanos - none!!

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	41K	5A	90	55105

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 99 % Biogenic 1 (=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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<u>R</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>TR</u>	Biotite
<u>TR</u>	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
<u>TR</u>	Amphibole (hornblende)
	Garnet
<u>TR</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
<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>TR</u>	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Diatom fragment (picture provided)

Leg	Site	Hole	Core	Section	Position (cm) in core Sm.Slide #	
379	1532	G	40R	3A	68	55106

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>45</u>	<u>55</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
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>TR</u>	Biotite
<u>R</u>	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
<u>TR</u>	Amphibole (hornblende)
	Garnet
<u>TR</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
<u>TR</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
	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	1532	G	A3R	3A	6	55107

Observer	DR
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LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 96 % Biogenic 4 (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
3	22	75

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
TR	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	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
TR	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
TR	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

black
 Diatom fragments
 (picture provided)

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	A3R	3A	3A	55108

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
15	75	10

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
A	Quartz
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
R	Biotite
	Muscovite
TR	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TR	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>
	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	1532	G	41R	1A	71	55109

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
R	Quartz
TR	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>
TR	Biotite
	Muscovite
	Chlorite
	<u>Fe-Mg silicates</u>
TR	Amphibole (hornblende)
	Garnet
TR	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
TR	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>
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Top green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	44R	1A	10A	55/110

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
5	50	45

(= 100%)

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

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

top green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	44R	2A	51	SS111

Observer DK

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous 100 % Biogenic 0 (=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
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
<u>C</u>	Quartz
<u>R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
<u>TR</u>	Biotite
	Muscovite
<u>TR</u>	Chlorite
	Fe-Mg silicates
<u>TR</u>	Amphibole (hornblende)
	Garnet
<u>TR</u>	Pyroxene
	Olivine
	Other indicator minerals
	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	Authigenic minerals
	Barite
	Manganese Oxide
	Zeolite
	Opaque Minerals
	Pyrite
<u>TR</u>	Fe-oxide / Fe-hydroxide

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

Comments:

green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	44R	6A	31	55112

Observer DR

LITHOLOGY: _____ (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
<u>3</u>	<u>30</u>	<u>67</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
<u>R</u>	Quartz
<u>TR</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
<u>TR</u>	Biotite
<u>R</u>	Muscovite
<u>TR</u>	Chlorite
	<u>Fe-Mg silicates</u>
<u>TR</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>TR</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
	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	1532	G	44R	6A	43	55113

Observer _____

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic G (=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
R	Quartz
	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
	VOLCANIC/PLUTONIC GRAINS
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
	ACCESSORY/TRACE MINERALS
	Sheet Silicates
TR	Biotite
TR	Muscovite
TR	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
	BIOGENIC GRAINS
	Calcareous
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	Siliceous
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	Others
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	45R	3	34	55 114

Observer: Rutice

LITHOLOGY: _____ (dominant) _____ (minor)

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

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

(= 100%)

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

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

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

Comments:

slightly bioturbated layer

pitted / textured grains?

larger silt grains tend to be very angular

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	45R	3	59	SS116

Observer	Ruthe
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LITHOLOGY: silty clay (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
TR	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
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:

coarse-grained layer

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	45R	2	122	55116

Observer Pature

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

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

Comments:

black (clayey?) layer

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	46R	3	18	55117

Observer Rutnie

LITHOLOGY: silt (dominant) 1 (minor)

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

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

(= 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
R	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
	Biotite
	Muscovite
R	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
R	Glauconite
	Chert
	Zircon
	Apatite
	Titanite (sphene)
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<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>
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

sed intraclast

unknown mineral - wavy?
 photographed

~~sed~~

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	47R	1	121	55118

Observer Rutnie

LITHOLOGY: silty clay (dominant) _____ (minor)

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

Siliciclastic texture (%)		
% Sand	% Silt	% Clay
	<u>15</u>	<u>85</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
<u>4R</u>	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	Sheet Silicates
	Biotite
	Muscovite
<u>R</u>	Chlorite
	Fe-Mg silicates
	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>
	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
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

top of green unit

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	47R	2	41	55119

Observer	CDH CDH
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LITHOLOGY: _____ (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
	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 - frag.
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

cemented purple lamination

opal ~~CT~~ CT

looks recrystallized, isotropic

Some terrigenous grains, too - gtz?