Smear Slides — Leg: 172 Site: 1061 Hole: A — Sili.Fraction

N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)

Composition

Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Micrite	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	Sediment or Rock Name
1	H	2	**100**	10	90		10	90	R	T	T	D									T					T	T	T			T							clay with silt
1	H	4	**60**	20	80		5	95	T		T	D									T				T	C	T				T							clay with silt and nannofossils
1	H	6	**80**	50	50		5	95	T			A									T				T	A	T				T							nannofossil clay mixed sediment
3	H	1	**124**	15	85		5	95	T			D									T				T	C		T										clay with nannofossils
3	H	3	**60**	15	85		5	95	T			D									T					C	R	T			T					T		clay with nannofossils
3	H	6	**34**	5	95		10	90	T			D									R				T	R	N	N			T					T		clay
3	H	CC	**10**	15	85		5	95	R			D									R				T	T		R			T					T		clay (with biosilica)
5	H	3	**120**	15	85		5	95	T			D													T	R	T	T	T		T							clay
7	H	1	**50**	15	85		5	95	T			D							R		T					R		C/R	R	R	C/R							clay (with biosilica)
7	H	5	**76**									A														A	T	C										clay nannofossil mixed sediment
8	H	2	**124**				7	93	C			D														C	T	T	T	T	R							clay with nannofossils
9	H	3	**77**				30	70	C/A			D														R/C		T	T	T	T							clay with silt
10	H	1	**131**									A														A												nannofossil clay mixed sediment
10	H	2	**120**									D														A												clay with nannofossils
10	H	3	**120**									C														D												nannofossil ooze
10	H	5	**120**									D														R												clay
12	H	3	**50**				5	95	R			A							R							D	T											clayey nannofossil ooze
12	H	3	**95**				25	75	C			D												T		C												clay with silt and nannofossils
13	H	2	**100**				40	60	C/A										R					T		T	T											clay with silt

Prior Chapter Contents Next Chapter

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																														
Leg: 172		Site: 1061		Hole: A		Sili.Fraction			**Composition**																														
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Micrite	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
13	H	5	**100**				10	90	R			D											T	T	R												clay
15	H	1	**70**	2	98		10	90	R		T	D											T		T	N				T							clay with silt
18	X	3	**98**	2	98		15	85	R		T	D													T	N				T							clay with silt
19	X	2	**100**	50	50		5	95	T		T	A													A	T				T							nannofossil-clay mixed sediment
21	X	5	**55**	10	90		10	90	R		T	D								T					R	T											clay with silt
25	X	1	**80**				5	95	T		T	D													A	T											nannofossil clay
25	X	3	**70**				5	95	T			D													C	T				T							clay with nannofossils
28	X	2	**24**				5	95	C			D										T			R												clay
28	X	4	**17**				3	97				D										T			A	T											nannofossil clay
29	X	1	**90**				15	85	C			D												T/R	C												clay with silt and nannofossils
30	X	4	**48**				2	98	C			D										T			A					T							nannofossil clay
31	X	1	**44**				10	90	C			D										T			R	T											clay
31	X	4	**84**				7	93	R			D										T			A	T											nannofossil clay
36	X	2	**34**				3	97	C/A			D										R			C												clay with nannofossils

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																												
Leg: 172		Site: 1061		Hole: B		Sili.Fraction			**Composition**																												
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Micrite	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
1	H	2	**80**				5	95				D													R	T	T									clay

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																																
Leg: 172		Site: 1061		Hole: C		Sili.Fraction			**Composition**																																
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Dol.Rhombs	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
1	H	1	**30**									D									T				C/R	T	T										clay with nannofossils
1	H	1	**90**				5	95	C			D							R							R	T	T										clay
1	H	2	**50**				5	95	R			D							C							R	T	T										clay
3	H	4	**70**	5	95		7	93	R			D								T					T	T	N	T			T							clay
3	H	1	**65**	50	50		3	97	T			D								T					A	T	T				T							clay-nanno mixed sediment
3	H	6	**75**	10	90		5	95	T		T	D								T					T		R	T	T	R							clay (with biosilica)
4	H	5	**135**	60	40		1	99	T			A								T					D	T	T				T							clay-nanno mixed sediment
4	H	4	**110**	15	85		12	88	R		R	D								T	T				C	T	R				R							clay with silt
5	H	1	**90**	5	95		5	95	R		R	D								T					R	N	T				T							clay
5	H	3	**56**	8	92		10	90	R		R	D								T				T	R	T	N				N							clay
5	H	6	**133**	5	95		15	85	R		R	D								T					T	T	R	T	T	R							clay wih silt (+biosilica)
6	H	1	**87**	10	90		7	93	R		R	D								T					R	T	R		T	R							clay
6	H	6	**90**	15	85		15	85	R		R	D								T					C	T	R	T	T	R							clay with nannofossils and silt
6	H	5	**84**	50	50		5	95	T		T	A								T					D	T	T	T		T							nannofossil-clay mixed sediment
7	H	2	**70**	12	88		12	8	R	T	R	D						T		T					R	T	R/T			R/T							clay with silt
7	H	5	**12**	55	45		5	95	T		T	A								T					D	T	T			T							nannofossil-clay mixed sediment
8	H	3	**80**	11	89		5	95	R		R	D								T					R		T			T							clay with nannofossils
8	H	3	**42**	25	75		5	95	T		T	D								T					A		T			T							nannofossil clay
8	H	6	**80**	5	95		5	95	R		R	D								T					R		T			T							clay

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																														
Leg: 172		Site: 1061		Hole: C		Sili.Fraction			**Composition**																														
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Dol.Rhombs	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
9	H	3	**80**	20	80		10	90	R		R	D							T						C	T	R	T	T	R							clay with biosilica and nannofossils
9	H	1	**50**	5	95		15	85	R		R	D							T						T	N	R	T	T	R							clay with silt
9	H	7	**60**	25	75		25	75	C		R	D							T						C/A	T	T	T	T	T							clay with nannofossils and silt
10	H	1	**60**	10	90		7	93	R		R	D							T						C	T	N	N	N	T							clay with nannofossils
10	H	5	**50**	10	90		7	93	R		R	D							T	T					C/R	T	T	N	N	T							clay with nannofossils
10	H	3	**10**	10	90		5	90	T			D							T					T	C	T	N	N	N	T							clay with nannofossils
11	H	2	**60**						T			D						T							R	T	C/R	T	T	T	R						clay with biosilica and nannofossils
11	H	6	**69**	80	20		5	95				C						T							D	T	T	T	T	T	T						nannofossil ooze with clay
12	H	3	**70**						C			D						R		T					A/C	T	T	T	T	T	T						nannofossil clay
12	H	5	**70**				20	80	C			D						R				R			R				T	T							clay with silt
13	H	1	**45**				25	75	C			D						R	T			R			R	T	C	T	T	C							clay with silt and biogenic silica
13	H	3	**7**						T									R							D	T											
13	H	4	**96**				20	80	R			A						A	T			T/R			C		T			T							carbonate clay with silt
15	H	3	**70**				5	95	R			D						R				R			C	T	T			T							clay with nannofossils
16	H	1	**130**				3	97	T			R						R				T			D	R				T							nannofossil ooze
16	H	5	**34**				25	75	C			D						R/C	T			T			R/T			T		T							silty clay
17	H	6	**120**				5	95	T			R						R				T			D	T	T			T							nannofossil ooze
18	H	4	**70**				15	85	C			D						T				R		R	R												clay with silt

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																														
Leg: 172		Site: 1061		Hole: D		Sili.Fraction			**Composition**																														
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Rhombs (Dol.)	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
1	H	1	**40**				10	90	T			D									T				T	C	T	T	T	T								clay with silt and nannofossils
2	H	1	**121**	10	90		1	99	T			D								T					T	C	T	T			T							clay with nannofossils
2	H	4	**65**	5	95		15	85	R		R	D								T					T	R	T	T			T							clay with silt
2	H	CC	**10**	15	85		5	95	T			D								T					T	C	T	T			T							clay with nannofossils
3	H	1	**110**	12	88		2	98	T			D								T					T	C	T	T	T	T	T							clay with nannofossils
3	H	3	**60**	75	25		5	95	R		T	D								T						T	T	T	T		T							nannofossil clay
3	H	5	**60**	10	90		5	95	R		T	D								T					T	T		R	T		R							clay
4	H	1	**70**	10	90		12	88	T		R	D								T						T	N	R	T	T	R							clay with biosilica and silt
4	H	3	**110**	7	93		5	95	T		T	D								T						T	T	R	R	T	R							clay (with biosilica)
4	H	5	**60**	25	75		1	99	T			D								T						A	T	T	N		T							nannofossil clay
4	H	6	**100**	10	90		5	95	T		T	D								T						R	T	R	T	T	R							clay (with biosilica)
5	H	1	**70**	7	93		11	89	T		T	D								T					T	R	T	T	T	T	T							clay with silt
5	H	2	**90**	15	85		3	97	T		T	D								T					T	C	T	N	N	N	T							clay with nannofossils
5	H	6	**60**	1	99		10	90	R	T	R	D								T					T	T	T	T	T	T	T							clay with silt
6	H	1	**120**	5	95		10	90	R		R	D											T			T	T	T	T		T							clay
6	H	3	**95**	5	95		5	95	T		T	D								T	T					T	T	T	T	T	T							clay
6	H	7	**30**	5	95		3	97	T			D								T						R	T	T		T	T							clay
7	H	1	**80**	12	88		5	95	R		T	D								T						C	T	R	T	R								clay (with biosilica)
7	H	6	**65**	40	60		3	97	T			D								T				T		A	T		T		T							nannofossil clay mixed sediment

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																																
Leg: 172		Site: 1061		Hole: D		Sili.Fraction			**Composition**																																
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Rhombs (Dol.)	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
7	H	7	**30**	10	90		5	95	R		T	D								T						R	T	T	T	T							clay
8	H	4	**30**	10	90		1	99	T			D							T							A	T	T			T						clay with nannofossils
8	H	6	**70**	7	93		10	90	R	T	R	D											T			R			T	T	R						clay
9	H	1	**90**				15	85	R/C	T	T	D							T				T			R		T	T	T	R						clay with silt
9	H	4	**40**				5	95	T			C							T				T			D	T				T						clayey nannofossil ooze
9	H	7	**40**				20	80	R			D							R/C				T			A		R/C	R	T	C						nannofossil clay
11	H	1	**100**				7	93	R			D							R				T			C		R	T	T	R						clay with nannofossils
11	H	3					3	97	T			D			T				T				R					R	R	T	R						nannofossil clay with silica
11	H	5	**40**				25	75	C			D							R				T			R		C	R	R	C						clay with silica and silt
12	H	5	**90**				15	85	R			D							C				T			C	T	T			T						clay with nannofossils and carbonate grains
13	H	2	**70**				20	80	C			D							R				T			T		T	T		T						clay with silt
14	H	4	**90**				7	93	R			D							T				T			C		T	T	T	T						clay with nannofossils
16	H	2	**38**				3	97	R			D							R				T			R	T	R	T		R/C						clay (with silica?)
18	H	3	**10**				25	75	C			D							T				T			R			T		T						clay with silt
18	H	6	**41**				5	95	R/C			D							R				T		T/R	R					T						clay
18	H	6	**42**				100	0	D										R																		quartz silt
19	X	2	**72**	2	98		5	95	R			D														T		T			T						clay
20	X	2	**73**	60	40			100				A														D	T	N	N	N	T						nannofossil-clay mixed sediment
20	X	4	**50**	5	95		10	90	R		T	D							T							T	T	T			T						clay

Smear Slides									N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)																														
Leg: 172		Site: 1061		Hole: D		Sili.Fraction			**Composition**																													
Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Rhombs (Dol.)	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	**Sediment or Rock Name**
21	X	3	**149**	40	60		1	99	T		T	D													A	T	T			T							nannofossil clay
21	X	4	**74**	15	85		12	88	C			D							T						T	T	R			R							clay with (biosilica and) silt
22	X	2	**69**	2	98		20	80	C		R	D								T					T		T			T							clay with silt
22	X	4	**35**	30	70		5	95	T			D								T					T	T				T							nannofossil clay

Smear Slides — Leg: 172 Site: 1061 Hole: E — Sili.Fraction

N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%)

Composition

Core	Type	Section	cm	% Pelagic	% Siliclastic	% Siliclastic Sand	% Siliclastic Silt	% Siliclastic Clay	Quartz	Feldspar	Mica	Clay	Chlorite	Volcanic Glass	Glauconite	Phosphate	Zeolites	Rock Fragments	Carbonate Grains	Rhombs (Dol.)	Opaque	Fe/MN Oxide	Pyrite	Amphibole	Hematite	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Peloids/pellets	Organic matter	Other	Unidentified	Sediment or Rock Name
1	H	5	**105**	5	95		5	95	R		R	D														T	T	T			T							clay
1	H	1	**110**	25	75		5	95	T			D													T	A	T											nannofossil clay
1	H	1	**50**	40	60		50	95	T			D													T	A	T			T								nanno-clay mixed
2	H	2	**60**	10	90		10	90	R		T	D								T					T	T		T		T	T							clay
2	H	7	**90**	25	75		2	98	T			D							T						T	A	T	N	N		T							nannofossil clay

Prior Chapter Contents Next Chapter