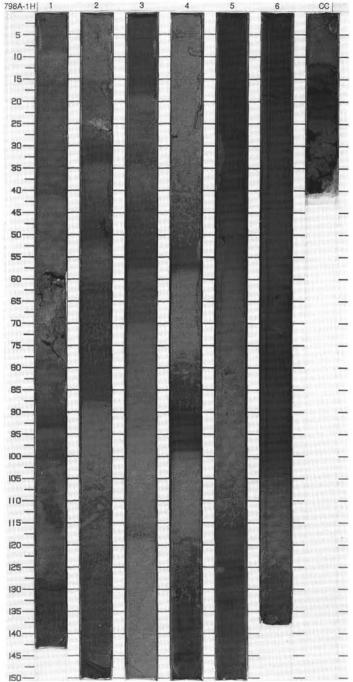
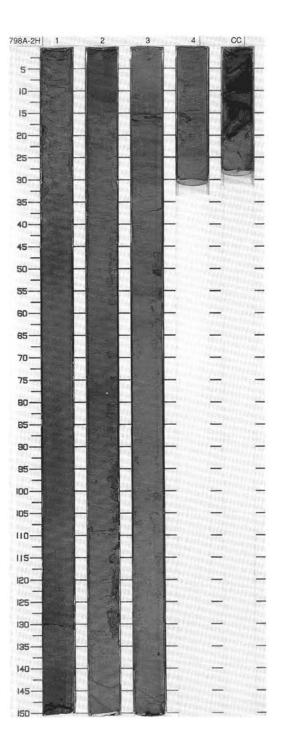
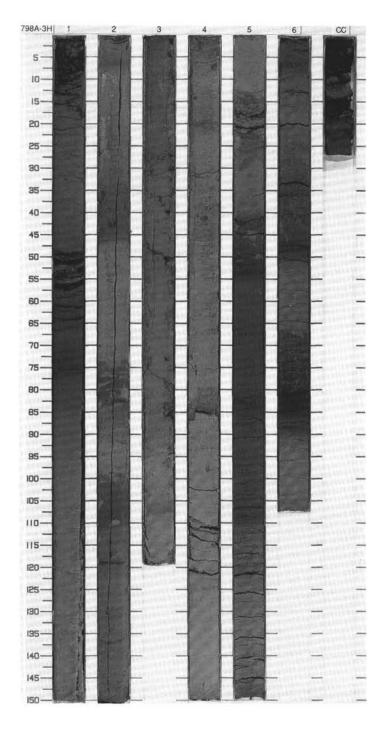
		STR					67														
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNE TICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	10L0GIC	DESCRI	PTION		
						z		1		1			1	*	CORE 128-798A-1H						
						121	•			1			É		SILTY CLAY and SILICEOR	US SILT	Y CLAY				
						• * cacoa = 5.7	.6 \$=71.1	XCaC0_=10.3 XT0C=1.97		1.0			11		Major lithology: This core of CLAYEY SILICEOUS MIXE orn to Section 3,118 cm. Th (5Y 5/2-5Y 4/2). The sedim normally graded, laminated part.	D SED le clay is ents are	MENT or s gray (5Y organize	CLAYEY 5/1-5Y 4 d in sequ	SILICEC 4/1); the silences 0.5	US OO2 iliceous 1 5 to 1.5 n	ZE from Section 2, 87 silty clay is olive gray n thick which are
						1	46 00 1 -76			11111			1	*	Minor lithologies: a. A bioturbated CLAY inter b. A 2 cm thick light gray (5 cm.						
							B-76.6		2	-			1	*	SMEAR SLIDE SUMMARY	(%):					5
										-			1		ana ann	1.1 D	2. 24 M	2.88 D	2, 149 M	3, 13 D	4, 24 D
							10.4			-			È	*	TEXTURE						
						Н	P=1.44				₩~~-			*	Sand Silt	35	100	5 35	30 40	5 25	10
							-			-	~official and a second		#1.		Clay	65	-	60	30	70	90
			davisiana	36	octangulatus				3				#1.		COMPOSITION:						
		٩	Sis	seminae	Int					1	Vole=		1		Accessory minerals	10	5	-	-	-	
RY		14b	176	em	BUB			3.1		-	\$° [===]		11.		Clay Diatoms	55 20	5 Tr	25 30	20 40	30 25	80 5
OUATERNAR		CN1			C1	11		19		1			1		Feldspar		-		5	-	-
â		-	La	ula			46	D'OL	_				1.0		Fish Foraminifers	1		Tr 2	5	5	-
IT		5	Cycladophor	Neodenticula	Distephanus		1-1	• %CaCO3= %TOC=		-			1		Glass	_	90	5	-	5	Tr
n		CN1	100	ent	an			•		-			+		Nannofossils Pyrite	1		2	10 Tr	2	
0		5	lad	po	1de				4		<u>^</u>			2	Quartz	20	-	2	10	10	5
			XC	Ne	S1				1	1	×4====		1		Silicoflagellates		-	-	Tr	-	-
			0		Di					-	XEE		1		Spicules	1	Tr	20	10	10	5
										-	Yees		i		SMEAR SLIDE SUMMARY	3.221					
							P=1.43		-	-	**=====		•			5, 25 D	6, 114 D	CC,7			
							-g-			-				*	TEXTURE	2	D.	U			
									_						Sand	2	5				
									5	1	A1====				Silt	30	5 30	45			
								0-		1	(1====================================				Clay	68	65	55			
								=4.20			VALUE:		11		COMPOSITION						
							~~	100					1			60					
							0,0	xcacoa=	-	1	x4====		1		Clay Diatoms	60 20	62 10	55 5			
							-0-69-	2×			~~===		∮ F		Feldspar	-	-	4			
	11						•	•		6	¢]====				Foraminifers Glass	2	5 Tr	_			
			13						6	-	NEE		12		Mica	-	Tr	2			
									1	1	Y CEEE		52		Nannofossils	1		-			
										-			E.		Pyrite Quartz	Tr 2	Tr 3	1 35			
	11			1		z					ATE		1.	*	Spicules	15	20	_			
	A/G	C/M	R/M	C/M	R/M				-				1	*							
				1.00	1.51			1	CC	a 🖂	second ments in a second	11	1	1.00							



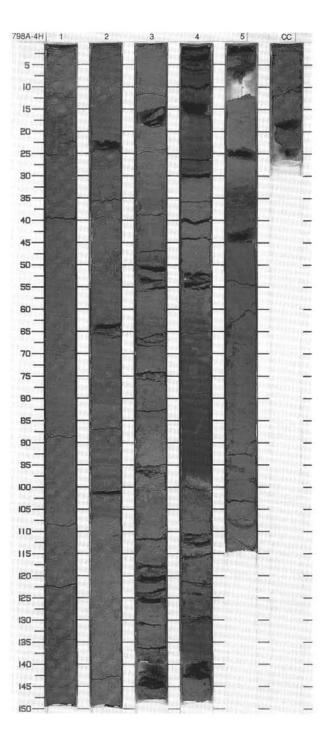
	OSSI			TER	0	ES				88.	57							
TIME-ROCK U	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC	DESCRI	PTION	
	davisiana	eminae			Z	2 \$=67.2	=3.3		6,000,000,000 0,000,000 0,000,000,000 0,000,000,000 0,000,000,000 0,000,000,000 0,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000 0,000,000,000,000,000 0,000,000,000,000,000 0,000,000,000,000,000,000 0,000,000,000,000,000,000,000 0,0000	זר זר זר זר זר ז	* * *	*	SILICEOUS OOZE and CLA' Major lithology: This core cor spicules: CLAY and CLAY wi ooze is olive gray (SY 4/2 to 3 ments have intervals of biotus sequence occurs in Section 3 sedimentation. Minor lithology: A very dark g andesitic or basaltic, is prese	ntains m ith DIAT 5Y 4/3), rbation 3, 31-55 gray (5Y	OMS oc the clay and inter i cm. The 2.5/1) 0	cur in Se -rich part vals of pi sedimer 5 cm thic	ction 3, 1 s are mor lanar lami nts repres	0-31 cm and 61-135 cm. Th e gray (5Y 5/1). The sedi- nation. A normally graded sent background pelagic
QUARTERNARY	Cycladophora davis					\$	XCaCO_=0.6 XCaCO	2		ר זר זר זר זר ז	1	*	TEXTURE: Sand 1 Silt 6	%): 1, 126 D 10 50 30	2, 50 D 10 80 10	3, 24 M 2 10 88	3, 112 D 40 60	CC, 7 M 40 55 5
	G	<			2	• \$=10.1 • \$=66.7	×C3C01=9.4 ×T0C=1.32	3 4 CC				*	Clay Diatoms Clay Diatoms Clay Feldspar Feldspar Foraminiters Glass Mica Glass Mica Opaques Pyrite Pyroxene Quartz Radiolarians Silicoftagellates El Clay Clay Clay Clay Clay Clay Clay Cla	5 10 35 			Tr 82 3 	



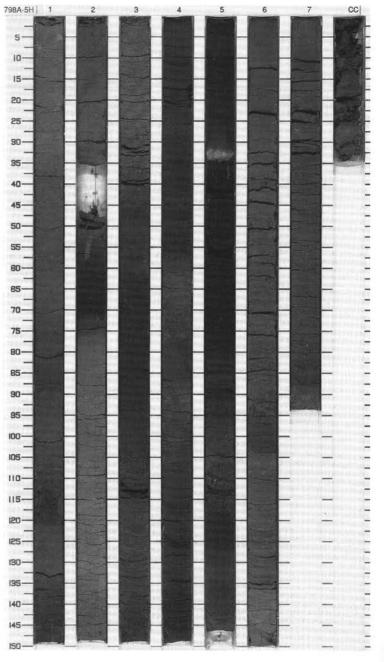
E		STR					5					8.	s								
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	GRAPI LITHOL S U U U U U U U U U U U U		DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	40E.0GI.C	DESCRI	PTION		
						2	• \$=80.6	47	1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,5,5,5,5		.1.	*	DIATOMACEOUS OOZI Major lithology: This corr with CLAY. The coze is (gray to greenish gray-gr highly bioturbated in sev Minor lithologies:	e contains l olive gray t reenish gra eral interva	o dark oliv y - 5Y 5/1 Is and sh	e gray (-5GY 5/1 ows norm	5Y 4/2-5Y I) with gri nal gradir	(3/2) and eater amo ng in Secti	becomes lighter unts of clay. It is ons 1 and 2.
							• = 72.0	*Cacoj=6			>>>>			*	a. Intervals of CLAY with b. In addition to an ash p occurs in Section 4, 82-8 SMEAR SLIDE SUMMA	od in Secti 34 cm.					
									2		\$		11 11	* * *	TEXTURE: Sand	1.35 D	1, 147 D	2.63 D	2, 81 M	2, 106 D	3, 66 D
							• 0=73.5		_	<u>在世祖</u> 、 、 、	\$ \$ \$ \$				Sand Silt Clay COMPOSITION.	85 15	17 80	48 50	70	2 30 68	5 60 35
			siana	inae	ulatus		-0-		3		>>>>		11	*	Accessory minerals Clay Diatoms Fish	1 10 80 Tr	20 70	40 45		Tr 25 60	15 75
KNAHY		CN14b	ra davisi	ula seminae	octangulatus			3=3.20		1 1 1 1	~		1	OG I W	Foraminiters Glass Mica Opaques		5 Tr Tr	3 Tr Tr	60 Tr 40	Tr 	1 Tr 2 5
QUATERNAR		CM15 /	Cycladophor	Neodenticula	Distephanus		• 0-71.0	• %CaCO	4					*	Quartz Radiolarians Rock fragment Silicoflagellates Spicules	3 Tr 2	5 	5 Tr — Tr 3	40 Tr — Tr	Tr Tr Tr 8	Tr Tr Tr Tr
			CVC	Ne	Dist				-					*	SMEAR SLIDE SUMMA	RY (%): 4. 63 D	4, 82 M				
							D=75.7		_				-===		TEXTURE: Sand	2	50				
							•		5	<pre>>></pre>	5 5 5		1		Silt Clay COMPOSITION:	10 87	50				
								03=2.30 05=2.03			\$ \$ \$ \$		1		Amphibole Calcite Clay Diatoms	3 80 10	1 Tr				
					8		\$-71.8	· ×CaCO	6	回	5 2 2	10 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -	1		Feldspar Glass Mica Opaques Quartz	2 Tr Tr 2	15 82 2				
	F/M	F/P	R/M	F/M	P./M	z			cc		>>>>		21- 22		Radiolarians Spicules Zircon		- - Tr				



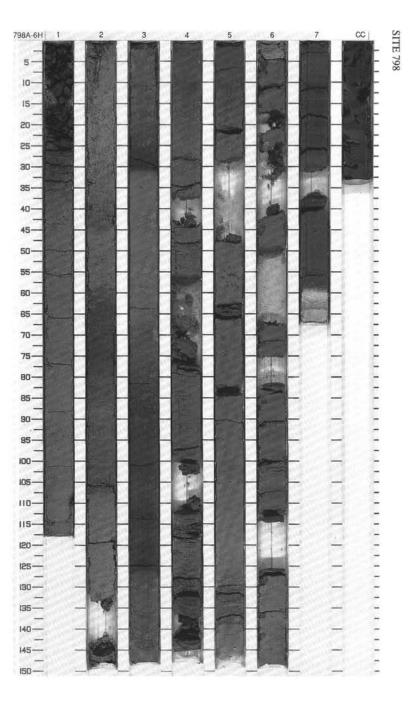
	-05	STRA	T	RACI	TER		50					÷										
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIAN	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC (DESCRIP	TION			
						Z	•			111				*	SILTY CLAY to DIATOMA MIXED SEDIMENT	CEOUS	SILTY CLA	AY and C	LAYEY	DIATOM	CEOUS	OOZE (
		CN15 / CN14b	Cycladophora davisiana	Neodenticula seminae	Distephanus octangulatus		• 0=72.9	.7 %CaCQ=10.2 .48 %T0C=1.97	1 2 3 4				****	* * * ** * * *	Major lithology: This core of CLAY. Where the biogenic DIATOMACECUIS MIXED ments represent pelagic do Minor lithology: Several VC in Section 4, 100-102 cm. SMEAR SLIDE SUMMAR' TEXTURE: Sand Silt Clay COMPOSITION: Amphibole Clay Diatoms Fedspar Foraminifers Glass Nannolossils Opaques Pyroxene Quartz Raciolarians Silicotlagellates Spicules SMEAR SLIDE SUMMAR	opal con SEDIME SEDIME DOLCANIC ((%): 1, 19 D 	tent increa NT or CLA	ases, it g YEY DI/	rades int ATOMAC	o olive gr EOUS O	ay (5Y 5/ OZE, The	2) CLAY ese sedi
	F/M	C/M	R/M	F/M	R/M	N	• \$69.1 \$1.57	*Caco	5				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TEXTURE: Sand Sit Clay COMPOSITION: Amphibole Clay Diatoms Feldspar Fish Foraminifers Giass Nannofossils Opaques Phosphate Phosphate Phyrite Quartz Radiolarians Silicolfagellates Spicules							

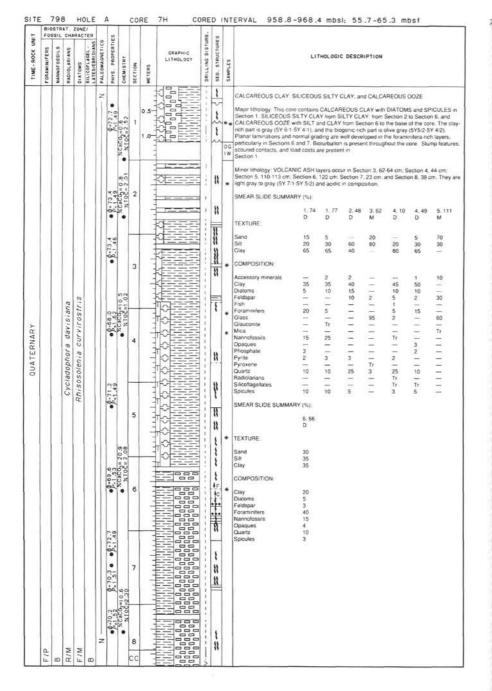


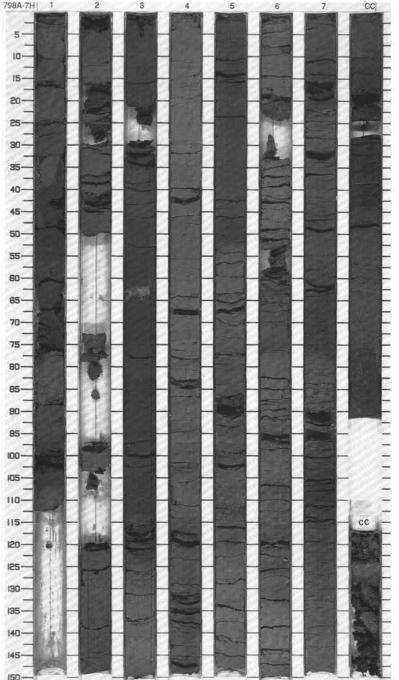
	065	SIL	T. Z	RAC	TER		-								ERVAL 939.8							
E oussimmers	FOHAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC	DESCR	IPTION	i.		
			Г	-		z				-~					DIATOMACEOUS CLA	YEY MIXED	SEDIME	NT, DIAT	OMACE	OUS CLA	Y, and C	LAY
			N. seminae				• \$72.6		1	0.5				*	Major lithology: This co MACEOUS CLAY in Se olive gray (5Y 6/2) to ol dark gray(5Y 4/1-5Y 3/ bioturbated intervals. Minor lithology: Thin (<	tive gray (5Y). Sediment	ough 6 ar 5/2-5Y 4 tary struc	d CLAY in (2) with so tures inclu H layers o	n Section ome dari ide plani ccur in S	n 7. These ker interva ar laminate Section 1, 3	sedimer Is of gray ed units u 75 cm; Se	ts are (5Y 5/ nderlyi
							Ē	9.8		1	5		11	*	116 cm; Section 5, 32-3 Ash layers are either wi							ash po
							0.00	2=1.7		1~			1		SMEAR SLIDE SUMM	ARY (%):						
							68.1	X TO			VOID					1.38	2,4	2,69	3, 8	3, 110	3, 149	4, 13
							•	• XCaCO3=	2	1				*	TEXTURE:	D	D	D	D	м	D	D
										-13			ι.		Sand		2	-	_	10	-	_
	ч									10			1		Silt	5	45	10	10	70	40	10
			- 1							R			1		Clay	95	53	90	90	20	60	90
							• \$-72.8						Ĩ.,	*	COMPOSITION:							
		- 1								11					Clay	64	40	90	74		15	20
										-14			11		Diatoms	25	30	-	15	Tr	70	40
									3	1					Feldspar	-	-	1	-	10	Tr	-
				10											Fish Foraminifers	5		-	1	Tr	Tr Tr	40
L			m	curvirostris	octangulatus						~~				Glass		-	10	<u></u>	90	Tr	-
1			davisiana	st!	at					72-2	~~		11	*	Inorganic calcite	-	10	1.000	100	-	1	
1		4 D	S	0	26					1	~~			5	Nannofossils	1	ī	-	Tr		Tr	
		4	2	Vil	SE			29			~~~			*	Opaques Phosphate	2	2	- E	=	\square	Tr	
		CNI	Q	5	to			50		-5-5	vv				Pyrite		-	-	-		Tr	
1	1		0		0		or	50		1	~~				Quartz	5	3	-	10	Tr	13	40
		-	6	Ð	5		- 4	ac ac		1	~~~				Radiolarians		-	-	Tr	272	Tr	-
		2	40	en	D C		60	• %CaC01=6. %TOC=2.5	4	177	~~~		*		Silicoflagellates Spicules	_	15	Tr	Tr Tr	Tr	Tr 1	_
		CNI	ado	sol	pha		•	•			v v		1		SMEAR SLIDE SUMM	ARY (%)						
			Cycladophor	Rhizosolenia	Distephanus					1.	+		•		SMEAN SLIDE SUMM	5, 32	6,40	6, 122	7,86			
			0	Rh	Di				-		~					M	D. 40	M	D			
											~				TEXTURE:							
		1								1.	~ T===			Ť.	Sand	5	2	5	-			
									5	1 1	4				Silt	85	30	40	10			
									10		1		ā		Clay	10	68	55	90			
		1								1	v		12		COMPOSITION:							
										1 7	4		"				1922					
							-			1					Amphibole	27	Tr	Tr	90			
							1.5	2			von				Clay Diatoms	_	66 15	_	90 5			
										-		1			Feldspar	5		5	-			
								1		1 7				*	Foraminifers	-	1	Tr	2			
	1									-		1	11	19	Glass Nannofossils	95	Tr	95 Tr	Tr Tr			
								PP	6	-M			1		Opaques		1	1r	-			
								40		1 7.		1	i.		Quartz	-	5	\rightarrow	Tr			
								=24		1 1		1	1		Silicoflagellates	-	2	-				
	1						4.5	E'e						*	Spicules	\sim	5		Tr			
							20	Call X		E		1	+ 7 -	1								
							90	N.		E			1									
							1	1														
									1.1	E		1	1									
						11			7	12		1										
						z				19		1										
1.			R/M	5	-	1		1	\vdash			1	-	*								
	10	1.1	2	C/M	R/M	1	1	1	co			11	1									
1	AIG	B	2	10	100				1CC	3												



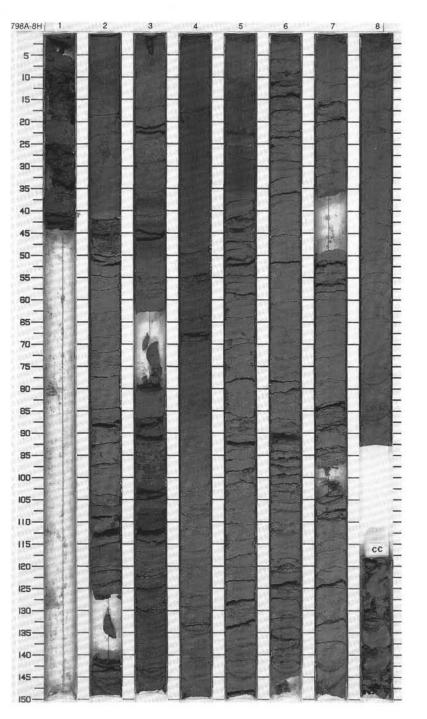
UNIT	BIO	STR	CHA	RAC	TER		Es	Ĩ				RB.	sa									
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION		RAPHIC	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	101.0010	DESCRI	PTION			
						z 	D=69.9			1		~~~			CLAYEY CALCAREOUS OUS OOZE and SILICEO	SILICEOU	IS MIXED CLAY	SEDIME	ENT, CL/	AYEY SIL	CEOUS	CALCAR
									1				22	*	Major lithology: This core CLAYEY CALCAREOUS 2) and SILICEOUS SILTY	SILICEOL CLAY in	IS MIXED the lower	SEDIME part. The	ENT in th ise sedin	e upper p tents are	art (Section olive gray	ons 1 and (5Y 5/3-
								=23.7		1.0			8	OG	5Y4/2) to gray (5Y5/1) or i in Section 2 and in Section Bioturbated sediments con tions 1, 3, and 5.	ns 5 to 7.	Normally	graded b	oeds are	present in	Sections	2 and 3.
							• P=1.56	• XCaCO3	2	DaDaDaDa					Minor lithology: Several Vi ashes are present in Secti (5Y 7/1-5Y 6/2) acidic ash Section 7, 40 cm, 60-67 c	on 2, 106 es occur i	cm; Secti	on 5, 130	cm; and	Section	6, 70 cm.	Light gra
									4						SMEAR SLIDE SUMMAR	Y (%):						
													1	*	TEXTURE:	1, 28 D	1, 97 D	2, 102 D	3, 35 D	3, 122 D	5. 105 D	5. 128 M
							· P=10.4				4.23		4	1	Sand	10	5	10	5	-	2	20
							-8-	21			准三		•••		Silt Clay	40	15 80	50	20 75	40 60	45 53	60 20
			вu	tris				44	3				1		COMPOSITION:	50	00	40	15	60	53	20
. 1		0	davisiana	curvirostr			~	%CaCO3=21 %T0C=2		-150			-		Amphibole	-	-	-	-		10	5
F		14b	116	Vil			73.	X TO		120-				*	Biotite Clay	10	20	40	35	40	25	1
AN		CN1		in			-	X					1		Diatoms Feldspar	20	20	15	15	15	25	20
UUAIEKNAHT		1	ra.				-	•		10			1		Fish	10	5	Ξ.	Ξ.	Ξ.	1	=
-		2	Cycladophor	Rhizosolenia						140			,		Foraminifers Glass	15	5	10	15	5	-	2
2		CN1	100	ole					4	12			-		Halite	=	=	2	-	-	13	55
		C	cla	SO					~	-			_		Inorganic calcite Nannofossils	20	25	10	20	10	1	
			N	Siz						-1~			_		Opaques	3	5	Tr	5	Tr	5	_
			~	R						1~		;	-	1	Plagioclase Quartz	15	10	10	5	25	25	7
										1~	-				Silicoflagellates	2	-		-	Tr		Tr
							-			3~	===				Spicules	5	10	15	5	5	5	10
							\$=70.6			-					SMEAR SLIDE SUMMAR	Y (%):						
							.9.		5	1~						6,4 M	7, 45 D					
1										1			12		TEXTURE							
										3~			11		Sand	40						
										500					Silt	60	40					
								.40		~				*	Clay		60					
				2			00	100		1	1		13		COMPOSITION:							
							• 0=69.2	KT0	6	-					Accessory minerals	1113	2					
							00	×	Ĩ	100					Calcite		10 30					
										12					Diatoms		25					
							● = 1.53					1		1	Feldspar Foraminifers	_	5 Tr					
							1			155					Glass	80	-					
							•			10					Plagioclas Pyrite	17	5					
									7	1-2					Pyroxene	3	-					
						z				-10-				*	Quartz	-	10 Te					
	A/M	F/P	F/M	C/M		1				120			-		Silicoflagellates Spicules	Tr	Tr 10					
	1.5	1	1	1.5	1		1	L	cc	175		1 10 1		1	022200333337777		0000					



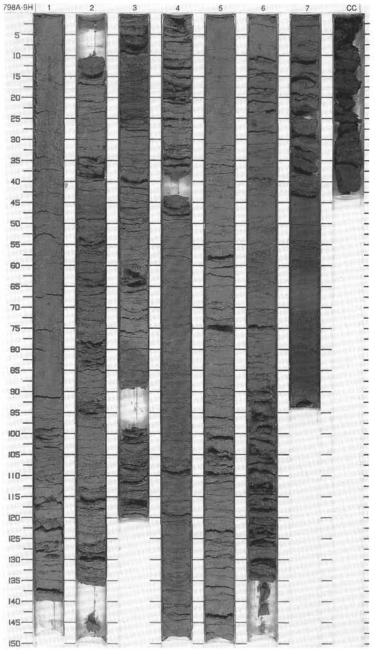




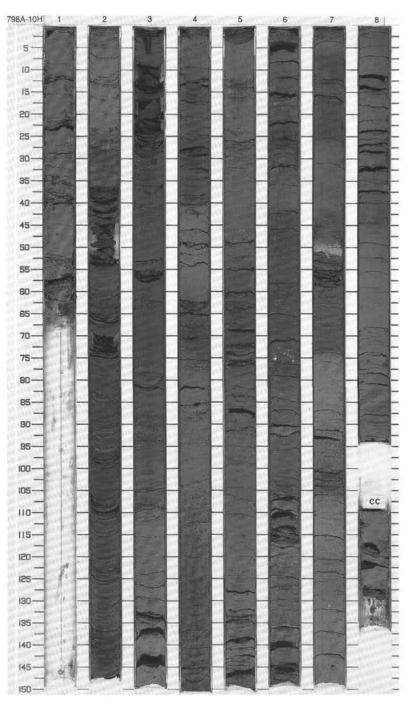
		STR	AT. 3	TONE	LE				COF	RE BH C	T	Γ	<u> </u>	ERVAL 968.4-9						
TIME - HOCK UNIT	FORAMINIFERS	NANNOF DSSILS	RADIOLARIANS		SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURG.	SED. STRUCTURES	SAMPLES		LIT	HOLOGIC	DESCRI	PTION		
						N	1000	XCACO ₃ =38.6 XIOC=2.35		0.5 1.0	TUDIA .		•	SILTY CLAY, CLAY to SIL Major lithology: This core of the top of the core to Sect SILICEOUS CLAY with FC SILICEOUS CLAYEY MIX NANNOFOSSILS from Se SY 5/2). The siliceous mix gray (SY 4/1) where sity bioturbated in others.	contains ion 2, 40 DRAMIN ED SED ction 6 to ed sed in	SILTY CL cm, CLA FERS tro MENT with the base ent is oliv	AY with I Y with FC m Section th NANN The cla e gray (5	DIATOMS IRAMINIE n 2. 40 cr OFOSSII y is gray y 5/2- 5Y	ERS and/or FI ERS and through S or FOR to olive gr 4/2) to gr	ORAMINIFERS from DIATOMS to Section 5, and AMINIFERS and ay (5Y 6/1, 5Y 5/1- ay (5Y 5/1) or dark
							0-68.0 P=1.63	-					•	Minor lithology: A few thin 21 and 25 cm.		NC ASH	ayers oc	our in Sec	tion 3, 10	5 cm and Section 5
							•	44	2			1	•	SMEAR SLIDE SUMMAR	Y (%): 1, 21 D	2, 10 D	2,79 D	5, 34 D	6. 109 D	7, 113 D
							e.0	CBC01=32 %T0C=2.4		1		#		TEXTURE:						
							• P=1.53	• %Ca				11		Sand Silt Clay COMPOSITION:	1 45 54	5 35 60	15 15 70	10 40 50	40 60	10 40 50
									3		10000000	****		Accessory minerals Clay Diatoms Feldspar Fish	1 50 15 2	40 10	Tr 60 5 Tr	50 15	40 15 3	40 20
THAN		\$ G	davisiana	curvirostris	octangulatus		• P=12.4		4			***		Foraminifers Glass Nannofossils Opaques Phosphate Quartz Silicoflagellates	5 5 2 15	5 10 10 3 15	15 2 5 1 5	10 5 3 5 2	5 10 2 10 Tr	10 10 3 2 2
QUATERNAR		CN14a	Cycladophora	Rhizosolenia				03=15.1 0C=1.20				22 22		Spicules	2	5	5	10	15	10
			CV	Rhi	Dis		• 0-68.	· XCaCO3=	5			2 22	•							
							• 0=70.6					**								
									6		10101010101	11 11								
								2=1.23	-	्राः १२२२ निर्णुस्टर										
							• 0=68.6	• XCaCO_25.1 XTOC=1.23	7			2 22		-						
							53		_			****								
						N			8											
	F/M	C/M	F/M	C/M	R/M				cc			Ľ								



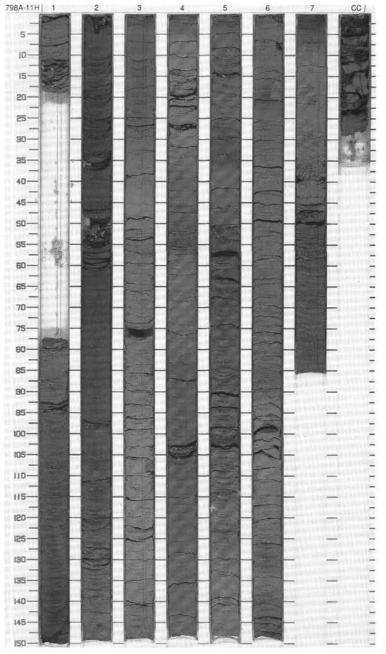
TE	810	STR	CHA	RAC	TER		5		COF			2			ERVAL 977.9-987.5 mbsl; 74.8-84.4 mbsf
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -		PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					[N]	vama R Brunhes	• \$=1.61 • \$=1.65	7.5	1	1 11 11 12 12 12 13			san	* *	CLAYEY MIXED SEDIMENTS to SILICEOUS CLAY and DIATOM NANNOFOSSIL OOZE to NANNOFOSSIL OOZE Major lithology: This core contains mainly CLAYEY MIXED SEDIMENT with calcareous and siliceous components. SILICEOUS CLAY, and NANNOFOSSIL or SILICEOUS OOZE. The mixed sediment prevails in the upper part of the core, down to the middle of Section 3, with variable ratios of calcareous and siliceous components. The color is gray (SY GST) to olive gray (SY 5/2-SY 4/2). Sedimentary structures include planar laminations, normal grading, an wavy basil contacts. Bioturbation is sparse. From Section 3, 75 cm to Section 7, 70 cm, ooz is predominant, either calcareous (nannolossil) or siliceous (diatoms and spicules). The ooz is light gray or gray (SY 5/15) thive re annolossil-inch, and olive gray (SY 5/2) where
						Matuyama	9	•	2	8.9.9.9.18.1			11		predominantly siliceous. The ooze is commonly bioturbated. Minor lithologies: a. Olive gray (5Y 4/2) CLAY with DIATOMS and SPICULES occurs in Section 7, 70-94 cm. b. VITRIC ASH layers are present in Section 1, 35 cm, Section 3, 22 cm, and Section 7, 10 cm. All are dark gray and basic in composition. SMEAR SLIDE SUMMARY (%):
4 Y			davisiana	curvirostris	subarctios		• 0*59.5 P=1.34	%CaCO3=16.1 %TOC=1.53	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<u>+ 11</u>	*	1, 38 1, 69 1, 119 3, 87 5, 67 7, 87 TEXTURE: D D D D D D D Sand 30 5 5 1 Sitt 60 35 25 30 25 40 Clay 10 60 75 70 70 59 COMPOSITION:
UUA I EKNAR I		CN14a	Cycladophora da	Rhizosolenia curi	Dictyocha suba		• p=73.1	•	4	0000100010001			11 11		Amphibole 1 -
							• 0-71.1 P=1.53	=6.50	5		+ + + + + + + + + + + + + + + + + + +	********	****	*	Spicules — 5 5 10 10 15
							3.0 • 0-71.9 .47		6						
	A/G	A/M	F/M	C/M	F/M	u B B B B B B B B B B B B B B B B B B B	• \$*73.0		7 cc	With the second second			ų	*	



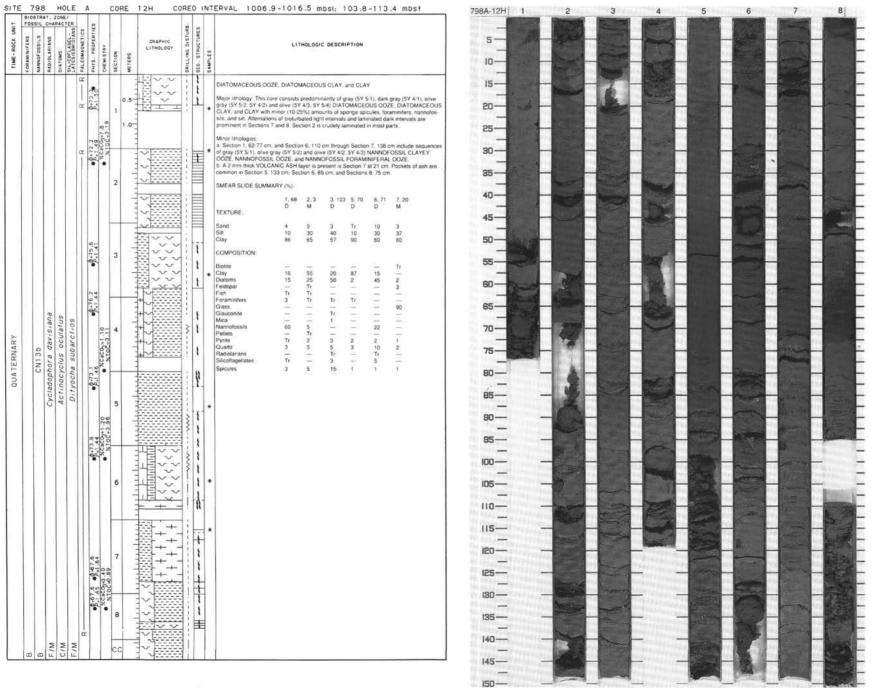
5	FOS	STR	CHA	RAC	TER		12						-		
TIME - ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOWAGNETICS	PHYS. PROPERTIES	CHEWISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						8		XCaCO ₁ =2.30 XT0C=4.22	1	0.5	照 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		***	•	CLAYEY MIXED SEDIMENT, SILICEOUS CLAY, and NANNOFOSSIL OOZE with FORAM- INFERS. DIATOMS, and CLAY Major lithology: This core contains mainly CLAYEY MIXED SEDIMENT with diatoms, nannofossis, sponge spicules, and foraminiters in vanable ratios grading into SILICEOUS CLAY. From the top of Section 2 to Section 7, 74 cm. The sediments are olive gray (5Y 5/2-5Y 4/2) to dark gray (5Y 4/1). At the boundary between Sections 3 and 4, the mixed sediment is incher in calcareous components. Planar laminations are present in the silicar-toh parts. Sediments in Section 1 and in Section 7, 74 cm. through the core catcher are gray to olive gray (5Y 6/1-5Y 20; JANNOFOSSIL OOZE with FORAMINEFES. DIATOMS, and CLAY.
						α z	•0-76.1	•	2				11		Some calcareous layers show normal grading. All sedments are biolurbated in places. Minor limology: Two vitro: VOLCANIC ASH layers occur in the lower part of this core. An acticle light gray ash is present in Section 7, 49-51 cm, and a basic dark gray ash is present in Section 7, 66 cm.
							14	0C=3.81							SMEAR SLIDE SUMMARY (%) 1.47 3.19 3.130 3.148 5.114 7.145 D D D D D D TEXTURE
							• \$-73	• %CaCO ₁ = 2.9 %TOC=3.8	з					•	Sand 5 5 2 1 1 Sit 45 35 25 60 50 25 Clay 50 60 75 38 49 74 COMPOSITION:
							9.1						*	*	Clay 20 60 63 30 45 10 Diatoms 20 25 10 30 10 Fish Tr Tr Tr Tr Foraminiters 5 Tr 1 20 10 Glass
37			evisiana.	virostris	subarctios		• \$=69.1		4						Glauconite Tr Nannofossiii 30 5 10 2 55 Opaques 1
QUATERNARY		CN14a	Cycladophora davisiana	Rhizosolenia curvirostris	Dictyocha suba	- Jaramillo	1	=0.9	0.1				*		obernas (197, 196, o tai rai) o
			Cycla	Rhizos	Dict		• 0=74.8	• XCaCO	5					•	
							• 0-72.7		6		Yo:				
								• XCaCO ₃ =2.20 XTOC=1.82					F		
							19.7	*CaCO_=1.97	7	adam fan			-		
							•0-70.4		8	- time -			-#	•	
	C/M	C/P	R/M	F/M	R/M	z			cc				11		



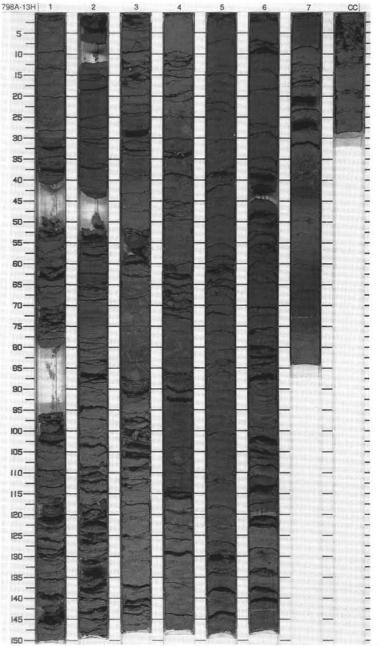
ITE	-	98 STR	_	_	DLI	E	A	-	i i	CO	RE	11H CC	RE	DI	INT	ERVAL 997.2-1006.9 mbsl; 94.1-103.8 mbsf
	FOS	NANNOFOSSILS	СНА	RAC			PALEOMAGNETICS	PHYS. PROPERTIES	TRY	7	1123	GRAPHIC LITHOLOGY	IG DISTURB.	STRUCTURES	s	LITHOLOGIC DESCRIPTION
TIME-	FORAMINIFERS	NANNOF	RADIOLARIANS	DIATOMS	SILICOF	LATES/E	PALEON	PHYS.	CHEMISTRY	SECTION	METERS		DRILLING	SED. S	SAMPLES	
QUATERNARY TIME	FORAM	CN13b CN14b MANNO	RADIO	Actinocyclus oculatus	Dictvocha subarctios		A 70 A A 71 A A A 71 A A A A	$p_{=1.58}^{=0.3.2}$ $p_{=1.47}^{=1.2.9}$ $p_{=1.37}^{=77.6}$	• %CaCQ ₂ = 7.0 %TOC=3.45 • %TOC=0.7 %TOC=5.44 CHEMI	2	werea				1dmrs * *	CLAY and NANNOFOSSIL CLAY Major lithology: Sections 1 to 5 of this core contain mainly CLAY with NANNOFOSSILS and or DIATOMS, stranging in color from light gray (5Y 6/1) to olive gray (5Y 52-5Y 4/2), darker where diatom-rich, lighter where nannotossil-rich. Section 6, 90-150 cm contains gray (5Y 6/2). NANNOFOSSIL CLAY with DIATOMS, where as in sactions 1-2 the calcareous component i negligible. Sedimentary structures include planar laminations and bioturbation. Minor lithologies: a. In Section 3, 10-36 cm, there is an interval of olive gray (5Y 5/2-5Y 4/2) CLAYEY NANNOFOSSIL CLAY with DIATOMS where nannotossil is present. These sediments are extensively planar laminations and bioturbation. Minor lithologies: a. In Section 7, 46 cm, through the core catcher, an olive (5Y 4/4) DIATOM OOZE with CLAY and NANNOFOSSILS is present. These sediments are extensively planar laminated. b. In addition to some ash pods, a thin VITRIC ASH layer occurs in Section 6, 30 cm. SMEAR SLIDE SUMMARY (%): 2, 90 3, 26 3, 90 6, 103 7, 72 D D D D D Sand 1 10 2 1 0 Silt 24 40 33 35 45 Clay 75 50 65 15 10 10 1 2 Glass
	A/M	F/P	8	C/M	D/M		a aa-∳ a ca •	P= 1.61 P= 1.65	• XCBC0 = 15.6 XTOC = 1.13	6 7 CC					*	



TIE		STRA		ONE/		A		T	RE	124 00	REL	_	141	ERVAL 1006.9-1016.5 mbsi: 103.8-113.4 mbsi	798A-12H
CK UNIT		SIL			ANS	NETICS	PERTIES			GRAPHIC	DISTURB.	CTURES		LITHOLOGIC DESCRIPTION	5-
TIME - ROCK	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL LATES/EBRIDI	PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION	WETERS	LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	1	10-
						œ				Harvy -	1	1		DIATOMACEOUS GOZE: DIATOMACEOUS CLAY, and CLAY	15-
							Po		0.5-	Evy		1			-
						œ	64	1	1		ł	•	*	Major timology: This core consists predominantly of gray (SY STI), dark gray (SY 4/1), olive gray (SY 5/2, SY 4/2) and olive (SY 4/3, SY 5/4) DIATOMACEOUS OOZE: DIATOMACEOUS CLAY, and CLAY with minor (10-25%) amounts of sponge specules, toraminitiers, nannofos-	20-
								20	1.0-					sits, and sait. Alternations of broturbated light intervals and laminated dark intervals are prominent in Sections 7 and 8. Section 2 is crudely laminated in most parts.	25-
							20	2						Minar lithologies:	20-
	1					α	\$ 72.2 %CaCO3		-	~		_		a. Section 1, 62-77 cm, and Section 6, 110 cm through Section 7, 138 cm include sequences of gray (5Y 5/1), olive gray (5Y 5/2) and olive (5Y 4/2, 5Y 4/3) NANNOFOSSIL CLAYEY	30-
						11	• •				1	ł		OOZE, NANNOFOSSIL OOZE, and NANNOFOSSIL FORAMINIFERAL OOZE. b. A 2 mm-thick VOLCANIC ASH layer is present is Section 7 at 21 cm. Pockets of ash are	-
					1			2	-		1	_		common in Section 5, 133 cm; Section 6, 85 cm; and Sections 8, 75 cm.	35
1								2	1.3	-				SMEAR SLIDE SUMMARY (%):	40-
										~,	1	=		1,68 2,3 3,103 5,70 6,71 7,20 D M D D D M	
- 11										\sim	1	_		TEXTURE:	45-4
											÷Ē			Sand 4 5 3 Tr 10 3. Silt 10 30 40 10 30 37	-
							0			图~~~	÷	ī		Clay 86 65 57 90 60 60	50-
							P=1.41	3		聞くくく	Ē	10.0		COMPOSITION:	55-
						11	•		1			1		Biotite Tr Clay 16 55 20 87 15 -	
										- vv	iL	۱		CRay 16 55 20 87 15 Datoms 15 25 50 2 45 2 Feldspar Tr 3 Feldspar Tr Tr 3 Feldspar 3 Tr Tr Tr 3	60
							941	H	-		1			Feldspar	-
			m			H	p.10.2			+		1		Grass 90 Grauconino Tr 90 Mica t 1	65-
			ian	tus	SO		- T	4	-		3	i		Giauconite — Tr — — — — — — — — — — — — — — — — —	70-
ž			davisiana	oculatus	ret		1-10	-		M	?	٢		Pellets Pyrite Tr 2 3 2 2 1 Cuantz 3 5 5 3 10 2	
QUATERNARY		30	00		subarctios		Xcaco ₃ =1	IOC	-	-	1	۱			75-
ER		CNI	Cycladophora	Actinocyclus	0		- 90%	1						Silicoflagellates Tr 3 5 Spicules 3 5 15 1 1 1	-
NN			Idol	00%	Dityocha		0=73.1				1	1			80-
0			CIAC	ctin	114		•					•			85-
			ŝ	AC	9			5							_
							0.0	e a			~	1	1		90
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							0-73.9 P-1.44 XCaC01-1	2	+	THV V		1			95—
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							•0-57.6 •	0	1.2	B++-		۱			
							. 2	-0°		+ -	Å.	1			125-
							\$1.65 %CaC03-0	100	-		1	1	1		130-
							en X			1		1			1
								8	10			+			135
			1			å			1		1	-	1		
			F/M	C/M	F/M			c	c	~	1				140
	Ð	ß	ш	U	Ш			1		1 4		_			145-



UNIT	BIQ FOS	STR	CHA	RAC	TER	-	ES														
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	10L0GIC	DESCRI	PTION			
						α I	• 12 •			8.2	1	11		SILTY CLAY with DIATO CLAYEY DIATOM OOZE						MENT wi	th CLAY,
							Ø=73		1				*	Major lithology: This core MIXED SEDIMENT with FOSSILS. The color vari 4/2). Sedimentary structu escape structures occur	CLAY, CLA es from gra ures include	YEY DIA y (5Y 5/1 planar la	TOM OC) to dark	ZE, and gray (5Y	DIATOM 4/1) and (OOZE wi olive gray	th NANN (5Y 5/2-5
														Minor lithologies: a. A layer of gray (5Y 4/2) CLAYEY	NANNOF	OSSIL C	OZE with	DIATON	AS and S	PICULES
								00-0-00			5111	8	*	exhibiting normal grading b. Vitric VOLCANIC ASH cm; and Section 7, 38, at	layers occ nd 72 cm.	ur in Sec	tion 4, 11	cm. 2 cm; Se	ction 6, 1	20-121, 1	43. and 1
							-10	%CaCO3	2			Γ		SMEAR SLIDE SUMMAR	RY (%):						
							•	•		「新語		11		TEXTURE:	1, 102 D	2, 28 M	2, 61 D	2, 127 M	2, 135 M	2, 136 D	3, 84 D
			1					2		H~ ==	1	11	**	TEXTORE.							
							0.4	-6				-		Sand	2	1	1	3	5		10
			1.0				• \$=66.	=12.7 =1.89		11.45		-	1	Silt Clay	15 83	10 89	15 65	25 72	15 80	5 95	90
							90	50		H~==	1	1		10000	00	00	00	1.1	00	55	
			e C	S	5		1	xcaco	3	17 10		1 22		COMPOSITION.							
			davisiana	oculatus	subarctios			ž	213		18	-	+*	Clay	15	122	21	100	30	13	15
			S	Ila.	C					17 -~~	11		1	Diatoms	50	1	30	1	35	40	50
			2 e	C	ar					124	11	L .		Feldspar	-	3	-	8	-	-	-
		D			3					1:1 1 1	13	L .		Fish Foraminifers	Tr 3		3 5	Tr		-	5
		CN13D	τņ.	us				0.0	-	1-1-1-	T£.	L .		Glass	1	96	10	90	5	5	5
		z	100	ic!	50			10		121-1-	11	18	1	Mica		Tr	-	-	-	-	-
ŝ		9	do	0	00		- 0	Su	ğ (1 53	47			Nannofossils	15	-	-	-	5	10	20
ĥ			ga	00	ž		72	STC 3C		-~~더~	1	18		Opaques Phosphate	1	2	1	-	_	15	-
1			Cycladophora	Actinocyclus	Dictyocha		• \$=72.1	×	4			1 12		Pyrite	1	-	15	Tr	_	-	-
	. 1		3	AC	0		•	•		1.54	41	m	1	Pyroxene	-	Tr	-	-	-	-	-
			-	200						1 51-	1			Ouartz Radiolarians	10 Tr	5	15	Tr	15 Tr	15 Tr	5
										~	-11	18	1.	Silicoflagellates	Tr	Tr	_	Tr	Tr	Tr	Tr
					1.						31	11		Spicules	5	Tr	Tr	1	5	Tr	3
							2.7					1		SMEAR SLIDE SUMMAR	RY (%):						
							P=1-4			1 나프로	1				4, 110	6, 119	6, 130	6, 142	6, 148		
							•		5	「「「「「「「「」」」		1	1	TEXTURE	м	м	D	м	м		
								31		1,555	11	1	1	Sand	E	2		2			
								40		7~===	11	11		Sand Silt	5 75	3 77	60	3 82	5 85		
							0,0	50		1,4===	1			Clay	20	20	40	15	10		
							73	KT X			11	1		0.000							
							ėå.	X			i			COMPOSITION:							
	1						•			1 1===	31	1		Accessory minerals	200	_	_	Tr	-		
											1	1	1	Amphibole	Tr	-	-	-	$\sim 10^{-1}$		
									6	1	11			Clay Diatoms	1	-	35 8	-	Tr		
											3	1		Feldspar	15	2	10	3	8		
										14655	11			Foraminifers	Tr		-	-			
										1,633	11		*	Glass	83	97	10	95	90 Tr		
										1 ====	E i	Î	*	Mica Pyrite	1	-	4	Ξ	11		
							1.5		-		1	."	**	Quartz	-	1	30	2	2		
							69			~	-		1	Silicoflagellates	-	<u> </u>	1	-			
							• \$=69.1			14	-	4		Spicules	Tr	-	2	_	-		
							•		7		-	F#	1								
						œ				20	3	tt	1								
	15	A/M	R/M	C/M	F/M						÷.	1	1	1							
	A/M	-		-					cc			11									



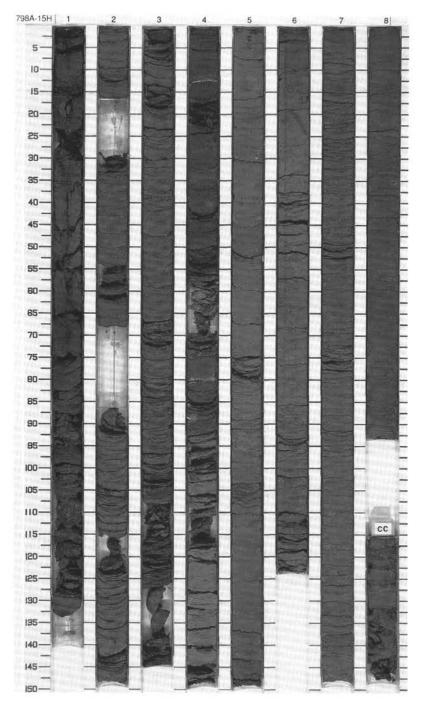
UNIT	OSSIL	CHARAN SWOLVIG	SILICOFLAGEL	PALEOMAGNETICS	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SAMPLES		u	THOLOGI	C DESC	RIPTIO	N			798A-14H 1 5 10	2	3	4		5	6	-
				0-67.2 - R	Pri 1.2	-	0.5				SILICEOUS OOZE, DIAT CLAYEY MIXED SEDIME Major lithology: This core nents, SILICEOUS OOZE RAMINIFERS, and SPICI FORAMINERS and DIA predominantly biositiceou 5/2-5Y 4/2) to dark gray (5 nents and the terrigenous	Contains DIATO JLES, au TOMS, s, comm 5Y 4/1),	obzes en M OOZE and NANN The uppe anly biotu Sections	nriched i DIATO OFOSSI r part of irbated, 6 throug	n biosili M NANM L CLAY the cont and is g h 8 are i	eous or OFOSS EY MIXE from Se ray (5Y 5 enriched	biocal IL OO D SE ctions (1) an	careous compo- ZE with CLAY, FO- DIMENT with 1 through 5 is d olive gray (5Y calcareous compo-	15 — 20 — 25 — 30 —		IN 6				1	
				10-01	× cacc	2			1		Minor lithology: VOLCANI SMEAR SLIDE SUMMAR	Y (%):	2, 135 M				10	8. 25	35							
								++++	1	•	TEXTURE Sand Silt	10 65	10 15	M 50 50	65	40		5 40	40			-		-		
				- 0-73.2	P-1.51	3	land and		1 22 22		Clay COMPOSITION: Amphibole Clay Diatoms Feldspar	25	75 5 	25	35 20 35	60 30 15			50	-	1 Ale			1		A BA
		e		69.0	P 1 59 X CaCO1 8 00						Fish Foraminiters Glass Glauconite Nannotossils Opaques	Tr 5 Tr 	Tr 80 —	40	5 2 Tr 2	Tr 10 1 		Tr 10 	60— — 65—	-						1 10
QUATERNARY		ora davisiana	a subarctios	9	d'x	4		00000000000000000000000000000000000000	1	1.00	Pyrite Quartz Silicoflagellates Spicules Zircon	5 5 20	1 	30 Tr 2	10 2 20	10		3	70 75 					11		
DUAT		Cycladophora	Dictyocha sut	-di-66.7	P.1.64	5				-									80 — 							1012
				67.2	XCaCO-14.9	07.144		<u> </u>	1										85	1						ANN?
					51	6				*									105 — - 110 —	-		W.		1 1	ALL AND	Run 1
					P.1.3	7			1										115— 120—	11		the state		and and		
				1.75.7	• 5*1.48 • XCaCO3*4.20				1										125 — 130 —	II				141	No.	
	R/G B	R/M		8	•	8		++++											135 <u>-</u> 140 <u>-</u>				19	0	1 M	-

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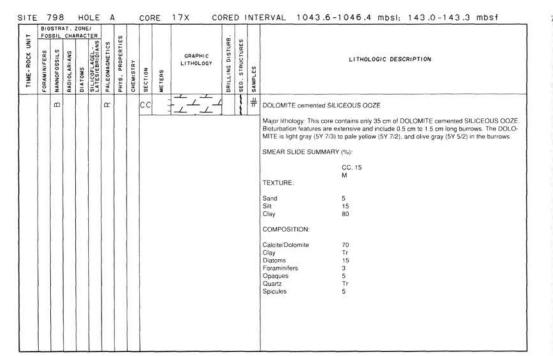
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		AT.	ZON	TER		A 		CO		15H C	1.			ERVAL 1035.9-1043.6 mbsl: 132.8-142.5 mbsf
FORAMINIFERS	WANNOF OSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	1	SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION
					8	-1 57 0 45	03=5.90		0.5	**************************************	······			DIATOM OOZE. NANNOFOSSIL OOZE with CLAY and DIATOMS Major lithology. This core contains DIATOM OOZE and NANNOFOSSIL OOZE with CLAY and DIATOMS. The ooze is dark gray to olive gray (5Y 4/1 to 5Y 5/2) and becomes a darker olive gray (5Y 4/2) as the abundance of busilicoous increases. Dark layers in Section 1, 0, 5/2 m and 70 9/2 cm are freely laminated Sections 1, 2, 5, and 7 have intervals which are transit laminatet. The DIATOMACEOUS OOZE in Section 3 is bioturbated. Minor lithologies. A: FORAMINEERAL NANNOFOSSIL OOZE with SILTY CLAY grades upwards into DIATOM
						-0-1	• KCaC		1111			F	-	OOZE with SPONGE SPICULES in Section in 4. b. Volcanic #sh layers occur in Section 3, 121 cm; and Section 4, 13 cm. SMEAR SLIDE SUMMARY (%):
								2	- total					2, 125 3, 125 4, 13 4, 125 7, 125 D D M D D TEXTURE
						72.6			1111	100				Sand 15 2 5 2 5 Sit 55 65 30 40 70 Clay 30 33 65 58 25
						•		3	al a a					COMPOSITION Clay 5 15 25 20
							24.9		the second se				1	Diatoms 35 35 20 35 Feldspar
						• \$=73.9	\$C\$C03=24.9			<u>+目~~~</u> +目~~~			1.	Glass 94 Namolóssilis 25 5 5 2 Opaques 2 2 2 2 2 Pyrite 3 2 2 2 2
		Cycladophora davisiana	ius oculatus	subarctios		ľ	%CaCO3=4.40	4						Ouartz 3 2 3 15 1 Silicotlagelates 5 10 - 5 10 Spicules 15 15 - 2 25
		vcladopho	Actinocyclus	Dictyocha		• \$-66.1	•							
		0				P=1.58	CaCO3=4.8 X10C=4.95	5			111111			
						•	*	6	multin			1		
						• 0*76.2	5.70	7	II	00000000000000000000000000000000000000				
						€.1.39 9.27.9	• XCaCO3-5 . XTOC-1 .	8	in martin	00000				
R/G	в	R/M	C/M	F/M	œ			cc		0000	1			

798A 16X NO RECOVERY

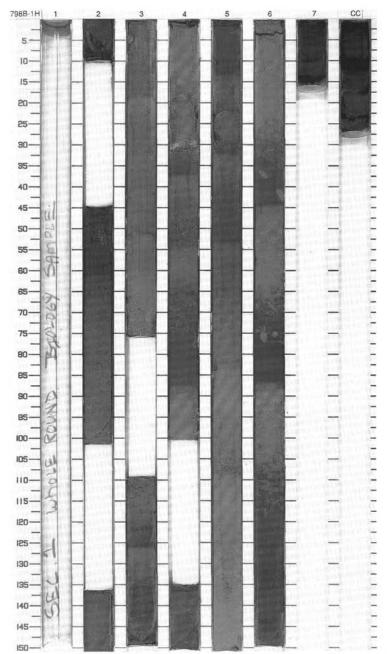


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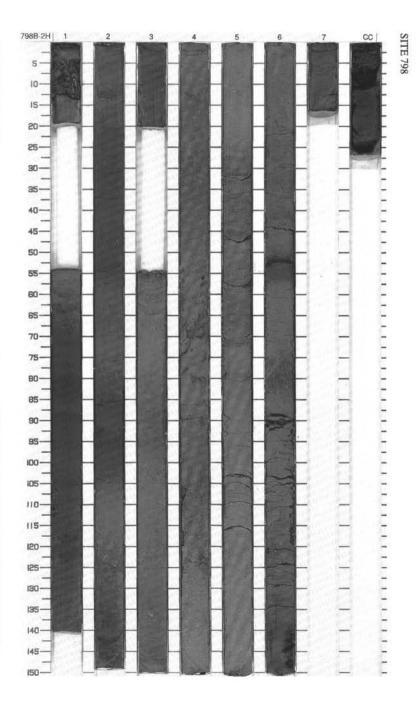




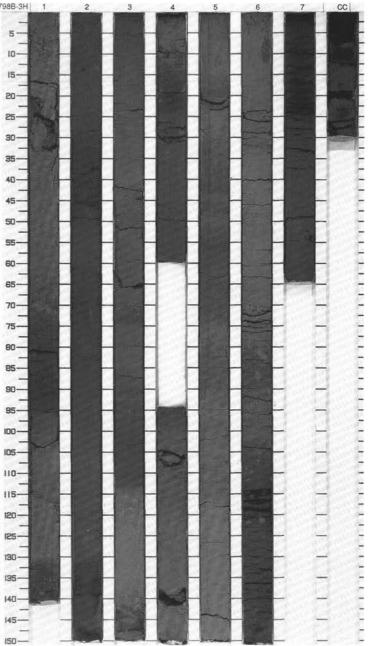
IND		SSIL	AT. CHA		TER			S						60		
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	DAI COMACNETICS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LCAL ENVIRY	P01	CN15 / CN14b Max	not examined Ra	Neodenticula seminae	not examined			L %C8C03=1.00	• XC3CC9-19.9 • XC3CC9-5.70 • XC3CC9-6.90 • XC3CC9-0.80 CH XT0C-3.47 • XT0C-1.89 • XT0C-2.03 • XT0C-2.08 CH		0.5				MB MB	DIATOMACEOUS CLAY, SILTY CLAY, and CLAY Major lithology: This core includes gray (5Y 51), dark gray (5Y 4/1), and olive gray (5Y 4/2) DIATOMACEOUS CLAY, CLAY, and SILTY CLAY with DIATOMS, FORAMINIFERS, and NANNOFOSSILS as minor (10-25%) components. The sediment consists of light-colored bloturbatic intervals interbedded with dark massive or nonbiolurbated intervals. Dark intervals exhibit crude lamination or fine bedding consisting of alternating dark and light toraminter rich layers; dark/light couplets possess a sharp base, and a gradational top which is marked by burrows (<i>Chondrites, Planoites?</i>) which penetrated downward into the dark sediments. Minor lithologies: a A very light gray (18), 1-cm thick VOLCANIC ASH layer occurs in Section 4 at 29-30 cm. b. Dark gray (N3) FISH DEBRIS were found along a bedding plane in the core catcher at 13 cm. SMEAR SLIDE SUMMARY (%): 1, 1 1, 22 M M TEXTURE: Sand 1 5 Sit 30 70 Clay 69 25 COMPOSITION: Clay 40 40 Diatoms 30 35 Feldspar 7 Fish 10 Tr Foraminters — Tr Plant — 4 Quartz 9 10 Slicoffageliates 5 2 Spicules 5 5
	A/G	F/P		C/M						7 CC					1	



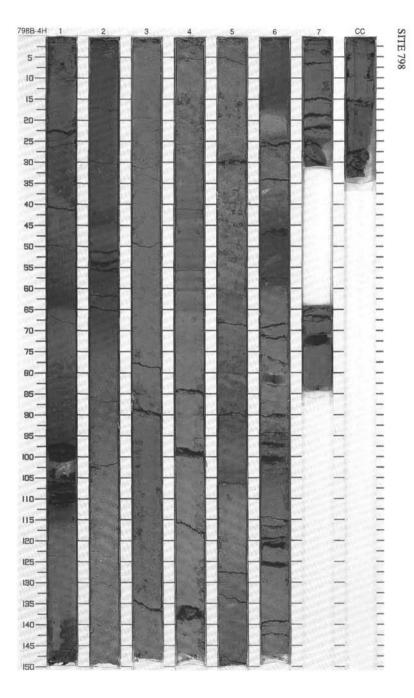
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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
												1			SILTY CLAY, DIATOMACEOUS CLAY, and CLAY
								%CaCO3=20.6	1	••••••••••••••••••••••••••••••••••••••			1	MB	Major tithology: This core contains greenish gray (5GY 411), grayish green (5G 411), gilw gray (107 321, 107 32, 107 42) and olive (5Y 443) SLITV CLAY, DIATOMACEOUS CLA and CLAY with FORAMINIFERS and DIATOMS as minor components. These lithologies appear in dark laminated and/or massive intervals alternating with light bioturbated interv as described under Core 128-7983-114. Clay contents tend to be higher in the dark interv Bioturbation is identified as <i>Chondritles</i> and probably <i>Planolites</i> . Minor lithology: A 1 cm-thick dark gray VOLCANIC ASH layer is present in Section 6, 52 cm.
								10	2	to the second					un;
								• %CaCO3=13. %TOC=2.0		1	\sim	1	1		
								XCaC XTC		f	<u> </u>	1		мв	
NARY		CN14b	examined	a seminae	examined				3	Let et fint			****		
QUATERNARY		CN15 /	not ex:	Neodenticula	not exi				4						
										1					
									5	1					
										11					
									\mid		~ <u> </u>		+		
									6	FI fifiint					
				C/M					7				1		



	IOSTRA OSSIL	CHA	RACI	TER		0									-
FORAMINIFERS		RADIOLARIANS		SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES		CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB		SAMPLES	LITHOLOGIC DESCRIPTION	5 10 15
UCA I EKNAKT	C/G C/I5 / C/I4b N		C/M Neodenticula seminae	not examined			%CaCO1=0.60	Č 2 56	о 1 2 3 4 5 6 7	,		8		CLAYEY DIATOM OOZE, DIATOM CLAY, CLAY, AND CLAY DIATOM MIXED SEDIMENT Major lithology: This core includes gray (5Y 51), greenish gray (5G 51), Gark Give gray (5Y 32), and olve gray (5Y 32, 5Y 42), CLAYEY DIATOMACEOUS OCZE, CLAYEY DIATOMA- CEOUS MIXED SEDIMENT, DIATOMACEOUS CLAY, and CLAY with diatoms, specules, and sitt as minor (10 25%) components. Sediements appear in dark, mostly massive intervals alternating with light biolubated intervals as described under Core 1. Bases of light intervals alternating with light biolubated intervals as described under Core 1. Bases of light intervals alternating with light biolubated intervals as described under Core 1. Bases of dark intervals are either sharp or gradational. Minor lithology: A 3 mm thick VOLCANIC ASH layer is present in Section 3, at 148 cm; a 1 mm thick volcanic ash layer occurs in Section 4, at 111 cm.	

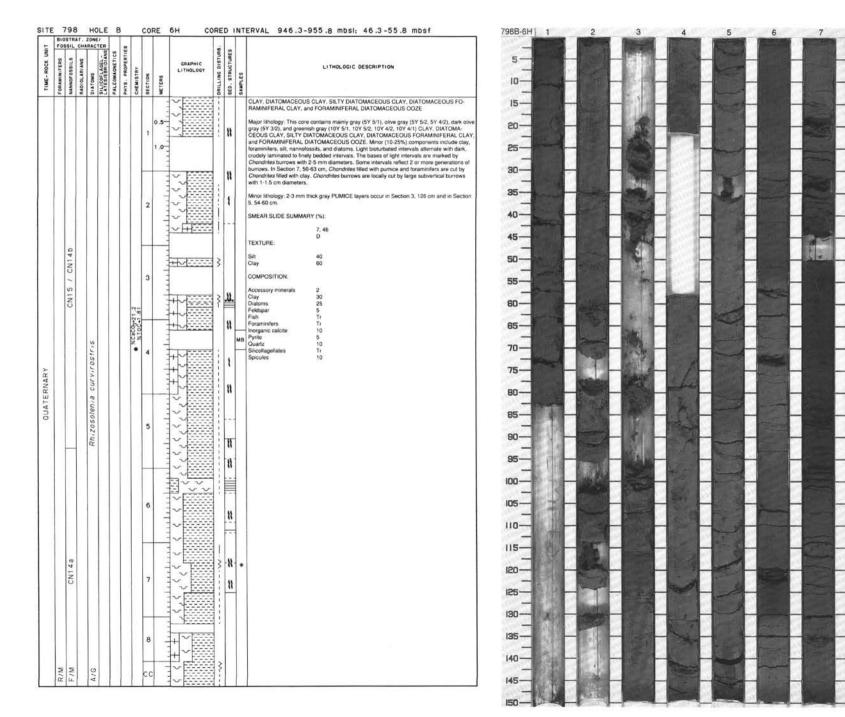


E		STR			TER		03								
TIME - ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
									1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1		CLAY and CLAYEY MIXED SEDIMENT Major lithology: This core contains dark gray (5Y 4/1) to very dark gray (5Y 3/1), partly laminated CLAYEY MIXED SEDIMENT with DIATOMS, NANNOFOSSILS, and FORAMIN ERS interbedded with gray (5Y 5/1) to greenish gray (5G 5/1), more homogeneous CLAY with FORAMINIFERS, DIATOMS, and NANNOFOSSILS. Rhythmic dark/light interbedded sediments are prominent in this core; the transitional zone from dark to light sediment type strongly bioturbated, whereas the base of dark colored units is commonly abrupt. Minor lithology: In Section 4, 25.5 cm, and in Section 6, 18-24 cm, layers of VOLCANIC AS occur.
									2	ليويعولونير بالربيع		1	***		
INARY		CN14D	examined	a seminae	examined				з				- == 08		
QUATERNARY		CN15 /	not exa	Neodenticula	not ex				4				1		
									5	**********	T T T				
									6	*****					
	F/M	F/P		C/M				• %CaCO3=12.2 %TOC=1.84	7				1 1	мв	



NANNOFOSSILS RADIOLARIANS DIATOMS SILICOFLAGEL - LATES/EBRIDIANS	NS CS	PHYS. PROPERTIES CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB.	LITHOLOGIC DESCRIPTION	
B not examined C/M Neodenticula seminae not examined	not exam	×CaCO+15.9 ×100-1.77	2 3 4 6 7 000			CLAY, DIATOMACEOUS CLAY, DIATOMACEOUS OOZE, NAMNOFOSSIL DIATOMA- CEOUS CLAY, and NANNOFOSSIL DIATOMACEOUS OOZE Major lithology: This core contains mainly dark gray (5Y 47), light greenish gray (58 77), greenish gray (59 3/2), olive (5Y 5/3), wry dark gray (59 4/1), light greenish gray (58 7/1), greenish gray (56 5/1, 58 6/1), dark greenish gray (58 7/1), light greenish gray (58 7/1), greenish gray (59 6/2), and pale olive (5Y 6/3) (CLAY, DIATOMACEOUS CUAY, DIATOMACEOUS OOZE, NANNOFOSSIL DIATOMACEOUS CLAY, and NANNOFOSSIL DIATOMACEOUS OOZE. NANNOFOSSIL DIATOMACEOUS CLAY, and NANNOFOSSIL DIATOMACEOUS OOZE, NANNOFOSSIL DIATOMACEOUS, Barrows have maximum penetration depths of about 20 cm. Mnce lithologias: a. Light gray (N 21) VOLCANIC ASH layers are observed in Section 2, 115 cm and in the core catcher. D-2 cm. An ash pod occurs in Section 5, 145 cm. b. A large WOOD fragment (5x1x0.3 cm) is present in Section 7, 31 cm.	

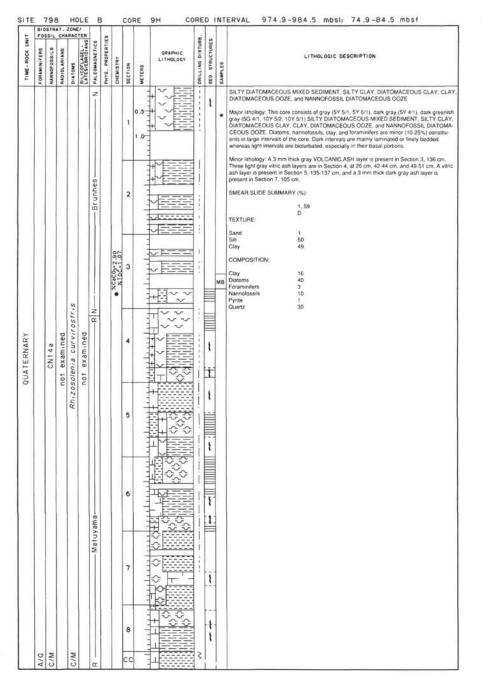


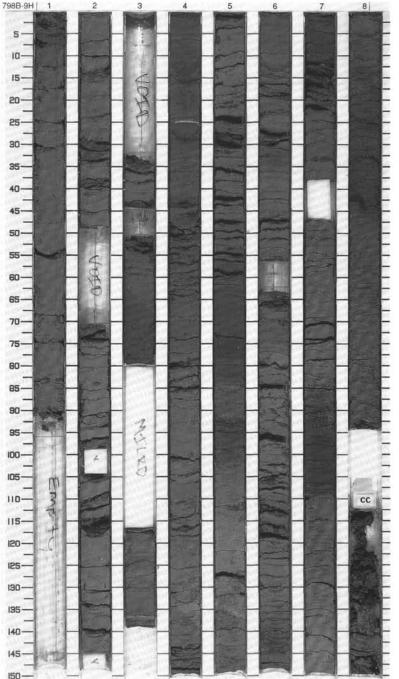


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ITE /	98 H	OLE I	з (CORE	SH COR	ED I	NTERVAL 965.4-974.9 mbsl: 65.4-74.9 mbsf	798B-8H/ 1 2 3 4 5 6 7
► FOSS	STRAT. ZONI SIL CHARAC SNEIL SNEILS SIL CHARAC SNEILS SNEI	TER	PHYS, PROPERTIES CHEMISTRY	SECTION	GRAPHIC LITHOLOGY Se Ju WM	DRILLING DISTURD. SED, STRUCTURES	LITHOLOGIC DESCRIPTION	
RY	CN143 CN143 not examined Rnizosolenia curvirostris partue	not examined	● %C6202+2+.0 %C052+1.2.7 C0E041587	1 0.			Solution CLAYEY DIATOMACEOUS COZE, DIATOMACEOUS CLAY, and CLAY Major Itinology: This core contains guay (5Y 51) and skin generich gray (5S 42), olive (5Y 43), dark olive gray (5S 32), general gray (195 5Y 51) and dark generich gray (5S 44), CLAYEY DIATOMACEOUS COZE, DIATOMACEOUS CLAY, and CLAY. Foramineles represent mouphout Section 1 and in Section 7, 85-120 cm. Distance Chandrates burrows occur in throughout Section 1 and in Section 7, 85-120 cm. Distance Chandrates burrows occur in Section 7, 114-122 cm and 143-150 cm. Minor Itimology: Gray to black VOLCANIC ASH layers are present in Section 1, 69-76 cm., and in Section 2, 114-122 cm and 143-150 cm. Minor Itimology: Gray to black VOLCANIC ASH layers are present in Section 2, 51 cm. Section 2, 114-122 cm and 143-150 cm. Minor Itimology: Gray to black VOLCANIC ASH layers are present in Section 1, 69-76 cm., and in Section 2, 116-102 cm. Purice Itimology: Gray to black VOLCANIC ASH layers are present in Section 2, 51 cm. Section 4, 113 cm and 119 cm. Purice Itimology: Gray to black VOLCANIC ASH layers are present in Section 2, 51 cm. Section 6, 119 cm.	



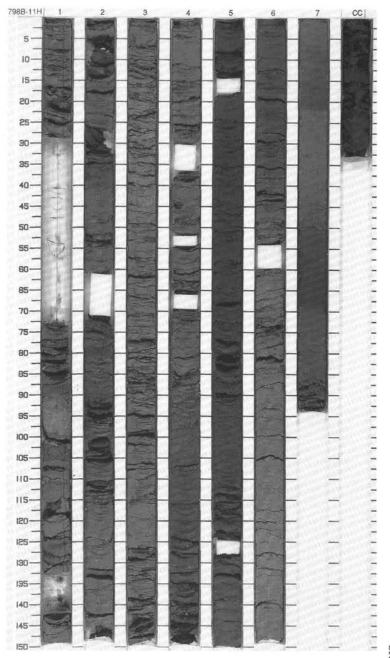


TIME-ROCK UNIT FORAMINIFERE 04 NANNOFOSSILS	CHARIANS CHARIANS	PALEOMAGNETICS	PHYS. PROPERTIES CHEMISTRY	SECTION	METERS C	GRAPHIC ITHOLOGY	BRILLING DISTURG. SED. STRUCTURES	SAMPLES		LITHOLOGIC DESCRIPTION					
					0.5		1 1	SIL OO Maj and SIL fora light traff	ZE, and CLAY or lithology: This core co dark olive gray (5Y 3/2) TY CLAY, DIATOMACE(minifers, diatoms, and si t, commonly biofurbated ad in light laminae. Tops indrifes in Section 7, 30-	DUS CLAY, DIATOMACEOUS SILTY CLAY, DIATOMACEOUS natans gray (SY 51), olive gray (SY 52; SY 42), olive (SY 4/3), SILTY CLAY, DIATOMACEOUS CLAY, DIATOMACEOUS DUS OOZE; and CLAY, Minor (10-25%) local constituents include It: Dark, crudely taminated or massive intervals atternate with micrasis. In the atminated intervals, fortaminates are concer- of dark intervals are characterized by intruding burrows, (e.g.: 9 cm), Larger subverticial burrows with 7:3 cm diameters occur	15 20 25				
		α.		2	<pre></pre>		1 11	in S Min	ection 4, 97-105 cm. or lithology: One thin VO annic Carbon and Carbon nple TOC (LCANIC ASH layer is present in Section 2, 50 cm.	30	7			
		- Matuyama		3			2	4.5	4 4.67 4 4.61 5 4.08 5 4.82	0.7 81 12.7 2.7 2.7	45 — 50 — 55 —	-			
RNARY 3b	examined cyclus oculatus	mined R			-	1 1					60— 65— 70—		F		
QUATERNARY CN13b	Actinocyclus	not examined N R	•	5	其	× × ×	業業				75 — 80 — 85 —				
		0									80— 85— 100—				
		Jar amillo		6	1,11111111		i 10				105	-		100	
				7	ME EX.X						120	-			
F/G P/F	A/G	Z		8 CC	2		~~~				135 — 140 —				

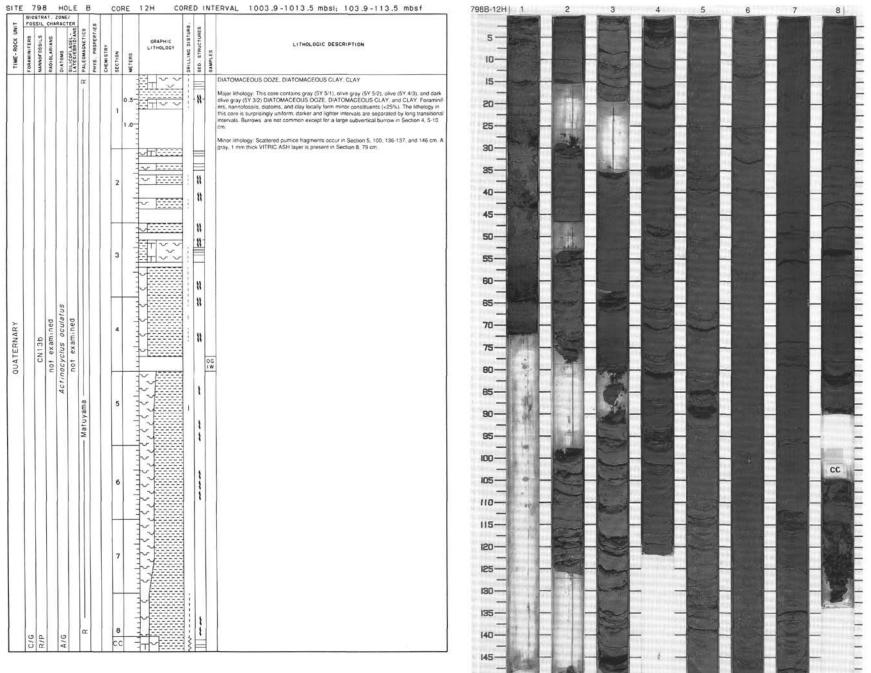
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5		SSIL			TER				T	RE	11H CC		Γ	Γ	ERVAL 994.2-1003.9 mbsl; 94.2-103.9 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-		DUVE DDADEDTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2					~~~~	:	-		DIATOMACEOUS OOZE, DIATOMACEOUS CLAY, CLAYEY DIATOMACEOUS OOZE, and NANNOFOSSIL DIATOMACEOUS OOZE
									1	0.5		×			Major lithology: This core consists of gray (5Y 5/1), olive gray (5Y 4/2), dark olive gray (5Y 3/2), and olive (5Y 4/3, 5Y 5/3, 5Y 4/4) DIATOMACEOUS OOZE, DIATOMACEOUS CLAY, CLAYEY DIATOMACEOUS COZE, and NANNOFOSSIL DIATOMACEOUS COZE. Foram- inifers, diatoms, and nannofossils are locally minor (10-25%) constituents. Alternating dark and light intervals are prominent in Section 7. Tops of dark, crudely laminated intervals are motiled by burrows of <i>Chondrites</i> .
									H		<u>بر بر المجامع</u>	1	1		Minor lithology: A distinctive, normally graded VITRIC ASH layer is observed in Section 1, 90 102 cm.
										-	\sim	i	18		
									2		1~~~	3	11		
				ľ		10		1		3	1~~~~	i	ł		
						Jaramillo			F		~ ~ ~	:			
				6		1					~	-	1		
			D	llatus	p				3		~		1		
NAHY		30	examined	100	examined						\sim		1		
OUATERNARY		CN135		Actinocyclus oculatus					F				1		
aug			not	11000	not					-		1	1		
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	F/G	F/P		C/M					CC		~~~	*			

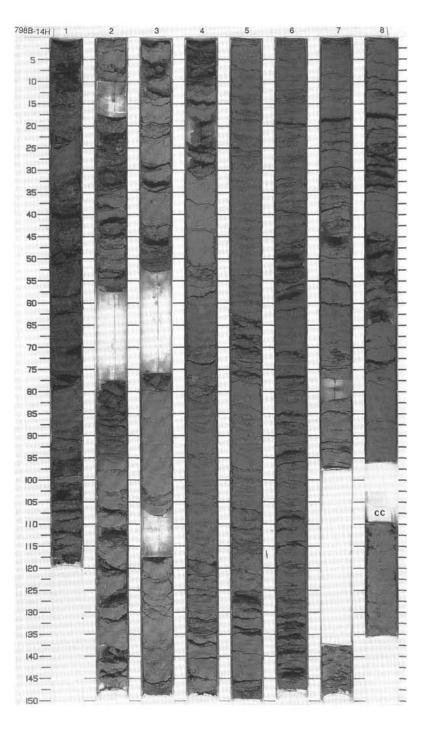


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		FOS	SIL	SNU	RACT	ER	PALEOMAGNETICS	PHYS. PROPERTIES	Currate Tov			LITHOLOGY	DRILLING DISTURE.	SED. STRUCTURES	SAMPLES		· · · · ·				
								-			0		1 1011	E		DIATOMACEOUS ODZE, DIATOMACEOUS CLAY, CLAY Major lithology: This core contains gray (5Y 5'1), olive gray (5Y 5'2), olive (5Y 4'3), and dark olive gray (5Y 3'2) DIATOMACEOUS ODZE, DIATOMACEOUS CLAY, and CLAY. Foramini- res, nannolossis, clatoms, and taly locally form indire constituents (25%). The tithology in this core is surprisingly unform, darker and lighter intervals are separated by long transitional intervals. Burrows are not common except for a large subvertical burrow in Section 4, 5-10 cm.					10
ONTERNAT ONTERNATION ONTERNAT											2	1	12 [21] [2] [2]			Minor lithology: Scattered pumice fragments occur in Section 5, 100, 136-137, and 146 cm. A gray, 1 mm thick VITRIC ASH layer is present in Section 8, 79 cm.					
Out TRAMRY Out TRAMRY Out TRAMRY Out TRAMRY Out TRAMRY Out TRAMRY Out TRAMRY Out TRAMRY Out Trammed Actinocyclus countus Out Trammed Actinocyclus countus Actinocyclus countus A											3			1.22			50				
B S S S S A S S S B S S B <td>1RY</td> <td></td> <td></td> <td>ned</td> <td>oculatus</td> <td>ined</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td> <td></td> <td></td> <td>65 — </td> <td></td> <td>-</td> <td></td> <td>M</td>	1RY			ned	oculatus	ined								11			65 — 		-		M
Image: Second	QUATERN		CN13b	not exam	Actinocyclus o	not exam							rected bucket		0G I W		-00 		-		. He
											5			12			95 — —	14 m		-	
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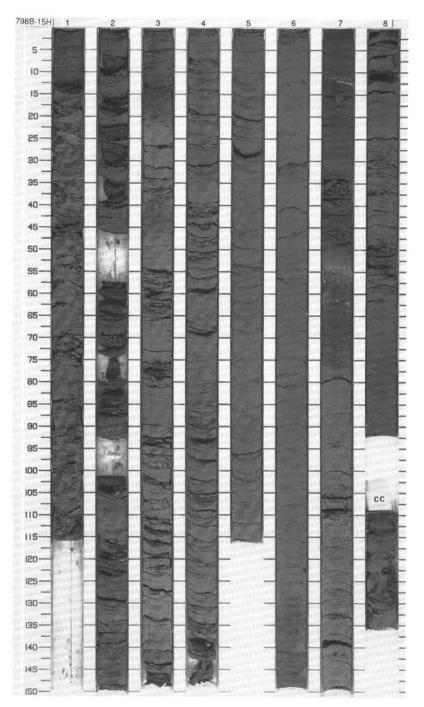


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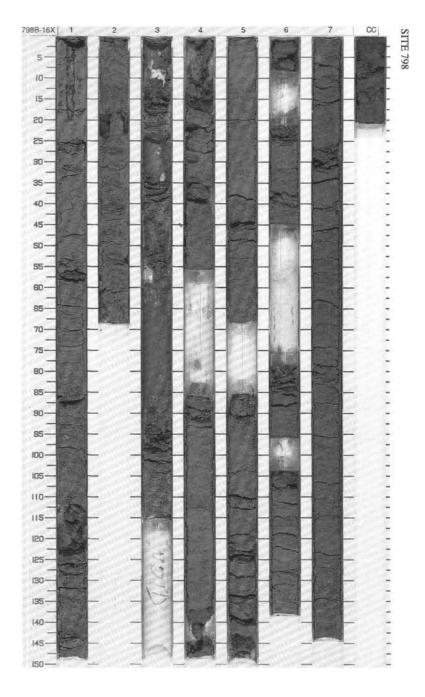
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TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	GAMPLES			HOLOGIC					
						8	•0-71.8		1				A		DIATOMACEOUS COZE CLAY, and SILTY CLAY Major ithology: This care ceous sediment: DIATOM 4: DIATOMACEOUS CLA through Section 4: 60 cm and Section 6: to 30 cm; part of the core (Section 6 minor laminated intervals	consists (ACEOUS Y in Sect CALCAF and DIAT(through	of dark gr OOZE in Ion 1, 70 IEOUS D OMACEC the core of	ay (5Y 4 n Section cm, thro NATOMA OUS SILT catcher).	/1) to olive 1, 0-70 c ugh Section CEOUS (Y CLAY) This core	e gray (5 m, and i on 2, 57 OOZE th and SIL1	TY 5/2-5Y 4 at the base cm, and S roughout 5 TY CLAY in	V2) diaton of Section Section 3 Section 5 1 the lowe
								17.8		4144	3	1 4022	1 22	•	Minor lithology: Layers of pods occur at 100 cm and SMEAR SLIDE SUMMAR	120 cm	IC ASH a n Section	ire in Se 15.	ction 2, 9	I cm and	f Section 3	, 46 cm. /
							• \$=67.0	XCaCO.	2	1444			1	:	TEXTURE:	1, 31 D	1, 92 D	2.3 D	2, 892, D	105 D	4, 110 D	5, 71 D
							•	•	_	- AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			1		Sand Silt Clay	10 70 20	30 70	2 38 60	40 60	40 60	65 35	2 70 28
							P-1.61		3			1			COMPOSITION: Accessory minerals		-	15	1	7	-	-0
								1.2		112			1		Clay Diatoms Enstatite Feldspar	20 60 —	60 20 Tr	45 25 Tr 5	40 40 	45 20 	20 35 —	30
			ana	SI	s		· 63	x CaCO3-1 X TQC-1	-	2222	1		8		Fish Foraminiters Glass Glauconite			15	1111		5 2 Tr	Tr 10 Tr
QUATERNARY		CM13b	davisi	ius oculatus	subarctios		•	•	4	through	0000				Nannolossil Opaques Phosphate Pyroxene Ouartz Silicoflagellates Spicules	2 	5 10 5	3 17 17 5 2	2 5 1 0	3 - 20 2 10	2	30 1
DUAT		CN	Cycladophora	Actinocyclus	Dictyocha	Matuyama-	• 0-73.9		_		+		1		SMEAR SLIDE SUMMA	1.12	2		10			
			CYC	ACI	Dic	1em-	•		5	ياريانيا مراجع	+++		1 1		TEXTURE: Sand Sitt	D 2 40						
								.70			++++		۰A ۱		Clay COMPOSITION:	58						
							- 0-11.3	• XCaCO ₃₌₃ .60 XTOC=2.70	6	. Intration	+10~		11 11 1	*	Accessory minerals Clay Diatoms Fish Foraminiters Glass Opaques Quartz Silicoflagellates	Tr 55 20 Tr 3 Tr 2 5 5						
							• \$-66.2	%C#C03+6.90 %T0C=1.06	7						Spicules	10						
								So		1111	4		5	мв								
						6	• 0=69.4	×CaCO ₃₋₅	8	tutut.			1									
	F/G	F/P	R/M	F/P	R/M				cc				t	1								



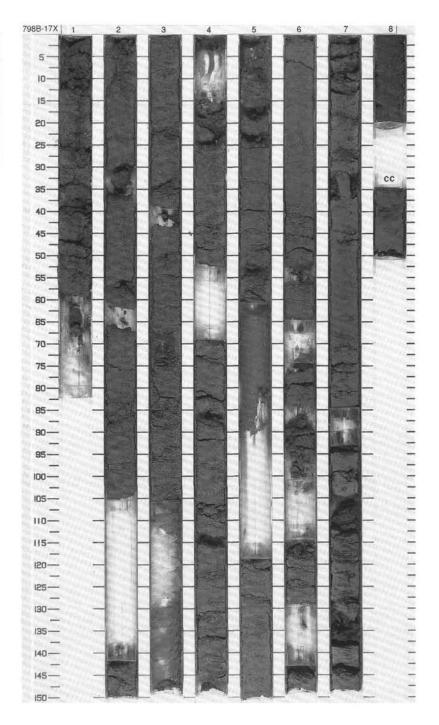
t		SSIL	CH	ZON	TER		57						Γ	ERVAL 1032.9-1042.6 mbsi; 132.9-142.6 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLACEL-	PALEOMAGNE TICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURE	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						α	•0=75.1 P=1.48		1	0.5-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7			•	DIATOMACEOUS OOZE and DIATOMACEOUS CLAY MIXED SEDIMENT Major Inhology: Dark gray to olive gray (57. 4/1. to 5Y 5/2) DIATOMACEOUS OOZE with clay net intervals as Section 1. 0.14 cm, and Section 2. 0.93 cm, DIATOMACEOUS CLAY MIXED SEDIMENT intervals are present in Sections 3. 6. 7. and 8. These sestements are mostly bothvable (prodominant) by 0.7 Monitizels hower, distinct laminated intervals occur at the base of Section 2. the top of Section 3. at the base of Section 6 and at the top of Section 7. Minor Inhology: VOLCANIC ASH layers occur in Section 2. 71 cm; Section 3. 12.14 cm, and Section 7. 55 54 cm.
											1	ł		SMEAR SLIDE SUMMARY (%):
								03=1.60 C=2.94						1.60 2.135 3.129 7.40 7.54 7.111 D D D D M D
							•\$-69.7	XCaCO3	2					Sand 2 2 5 20 1
								•			li			Sitt 68 65 48 85 60 54 Clay 30 35 50 10 20 45
							-0-1-0-0				1		•	COMPOSITION
							•			園ご	1			Accessory minerals 2 Biotite 1
									3	11/23		1	1	Clay 20 25 40 5 35 Diatoms 50 50 20 45 Tr 30
										11/28		1		Feldspar - Tr - 4 - Foraminiters 5 3 10 10 - 5
										11~123	1	1		Glass — 90 — Nannolossis 10 5 10 20 — 5 Opaques 2 2 5 3 — 3
			PU9	SI	S			1.67				1		Quanz 3 5 10 5 3 15
QUATERNARY		CN13b	Cycladophora davisiana	Actinocyclus oculatus	Dictyocha subarctios	-Matuyama		• X CaCO -7 .2 X TOC -1 .6	4					Skicoflagellates 5 Tr Tr 2 — 1 Spicules 5 10 5 10 — 5
			CYCH	ACT	Dici		• \$*73.7		5				06	
							• \$=70.9	• XCACO3=8.60 XTOC=1.83	6				IW	
							-0-76.5 -0-1.53	0	7				:	
	R/M	F/P	R/M	C/M	C/M	R	• 63.8 P-1.51	*XCaCO3=7.10 *10C=2.00	8					



LIND	810	STRA	T. 1	RAC	TER					RE	16X					ERVAL 1042.6-1052.3 mbsl; 142.6-152.3 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOF OSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GR	APHIC IOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
		-			0.3		-	ľ			+==	~	3		*	Moderate drilling disturbance.
						æ				0.5-	+33	~		1	*	DIATOMACEOUS OOZE with NANNOFOSSILS AND SPICULES
							503.3		1	0.5	+=	~~	1			Major lithology: This core contains dark olive gray (SY 3/2) DIATOMACEOUS OOZE, w NANNOFOSSILS and SPICULES. Some bioturbation is visible in Section 1.
							64	0.0		1.0	12	~~		1		SMEAR SLIDE SUMMARY (%):
								-12.4			12	~~	ł			1.9 1,43 5.29
						æ	79.2	510C				~	H			D D D
								×.		1.2	13	~	H			TEXTURE: Sand 2 3 3
								2.3	2	1	1	135	Ľ.			Silt 50 52 60 Clay 48 45 37
								23=1		-	1					COMPOSITION
								• %CaCO3=1 %TOC=1								Ciay 20 20 10
								•			+==	~	00			Diatoms 35 45 40 Foraminifers 10 5 5 Nannofossils 15 10 25
										1 3	1	1~	100			Value 15 16 25 Opaques 2 5 2 Quartz 5 5 3
			вu	SI	S		9.6		3	1 3						Silicoflagellates 2 Tr
			davisiana	oculatus	ctio		•0=79.6			6	1	~~	3			032090205 0015 0.03 1996
AR		۵	dav		subarctios			3.80			1					
QUATERNARY		CN13b	ora	Actinocyclus			17.1	Sug			軒	0.0	3			
LAU		0	udo	ocyc	och		• 0=77				타니	10,20	11			
o			Cycladophora	Ctin	Dictyocha				4		1	175 7				
			CY	AC	0						Đ.	122	3			
						œ					₽±.	202	11			
						~	-78.8 1.40			1	<u></u>	000				
						œ	00				訂	000	i			
							ľ	Ł	5			1 22				
								009			ŧ.	202	11			
							6.0	03=9.8			Į٢.	200	3			
							Ø=80.	%CaCO3		1000		1000				
							•	•			F	10,00	1!			
						1		1	6	100	ter	ISE S	3			
						æ					F	र र	1			
							h.,			1	EL.		1			
							•0=78.4				計	20				
							•			-	計	10				
						œ			7		訂	50	11			
											E	0	ik			
	R/M	C/P	R/M	C/M	C/M				CC		王,	10:1	i			

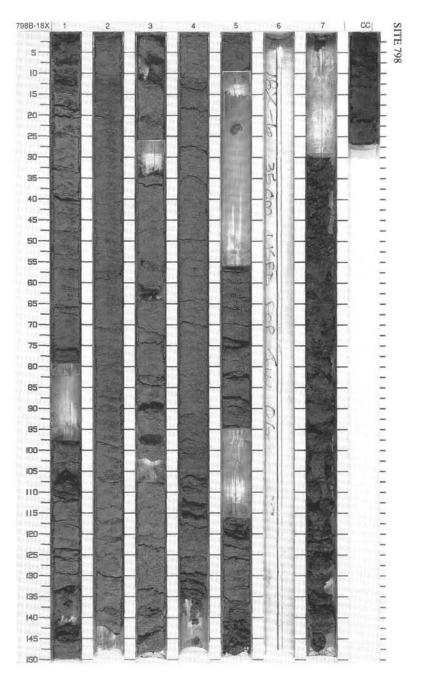


ŧ	B10 FOS	STR	CHA	RAC	TER		55							Γ	
TIME - ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC THOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
											- ~	8			Moderate to severe drilling disturbance.
							0-19.0 •	XT0C=1.74	1	0.5		000 MM			NANNOFOSSIL DIATOM OOZE with SPICULES and DIATOMACEOUS SILTY CLAY with FORAMINIFERS Major lithology. Dark greenish gray (10Y 4/2) NANNOFOSSIL DIATOM OOZE with SPIC ULES from Section 1 through Section 6. Greenish gray (5G 4/1) DIATOMACEOUS SILT CLAY with FORAMINIFERS in Section 7. SMEAR SLIDE SUMMARY (%).
						α	1.36	•	-	वि	-~_	T			2,45 7,39 7,122 D D D
						a	•	00-11-2	2	a table		2	8	•	TEXTURE: Sand 2 1 2 Sitt 63 34 43 Clay 35 65 55
						-		XCaCO3- XTOC-		-		1			COMPOSITION
							9.6		-	- 3	-~~	1			Clay 15 55 45 Diatoms 40 15 30
						œ	\$-80.			目	-~~	Ĵ.			Foraminifers 4 3 5 Glass Tr — —
							•		3		-~~	3			Nannofossis 25 5 Tr Opaques 12 3
								00		目	-~~	H			Ouariz 5 15 10 Silicoflagellates Tr Tr —
			æ					4. 0-0		-		1×			Spicules 10 5 5
			i an	SUIE	105		3.7	CaCO X TOC							
Ě			davisiana	oculatus	subarctios	α		•		再	-~~	Į.			
UUAIEHNAHI		CN13b			sub				4	7-1	<u>el 3</u>	1			
H H		CNJ	Cycladophora	Actinocyclus					2		-~~	1			
ŝ			JODE	100	t you					콜	-~~				
			YC/	401	Dictyocha		\$*79.2		_	- 3	-7~				
			0				-0-				-]~	00			
						œ			5	클	- ~	Ś			
										-					
								190		-					
							r.0	XCaCO ₅ -9.80 XTOC-1.57							
						œ	• \$=18.	XC3		3≎					
1							•	•		10		i			
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										10	JEE	3			
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	B	F/P	R/M	R/M	A/M	F/M			8		准言言				



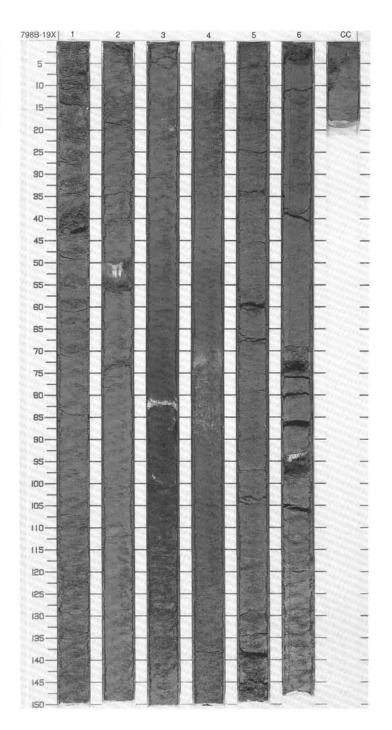
SITE 798

	SSIL			TE			ES					s		
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	LATES/EBRIDIANS	PALEOMAGNE TICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	- VV DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
DUALERWART	. CN13b	Cyclodophora davisiana Ruo	oculatus	there is a second	DICTYOCHA SUDAL DITOS	R	• \$\$1.36 • \$\$1.36 • \$\$1.37 • \$\$1.5.4 \$\$1.5.4 \$\$1.57 • \$\$1.57		1				* *	Moderate drilling disturbance. DIATOMACEOUS OOZE with NANNOFOSSILS and DIATOM NANNOFOSSIL CLAY Major lithology: Interbedded dark greenish gray (10° 4/2) DIATOM NANNOFOSSIL CLAY. Minor lithology: VOLCANIC ASH pods at 5 horizons in Section 7. SMEAR SLIDE SUMMARY (%): 1, 49 2, 49 4, 56 0 0 0 0 TEXTURE: Sand 1 2 3 Sin 59 73 75 Citay 25 10 6 Diatoms 40 60 60 Foraminiters 5 3 Glass Tr 5 Glass 15 10 15 Opaques 3 2 1 Ouartz 5 5 3 Silcotlageliates Tr Spicules 5 10 10



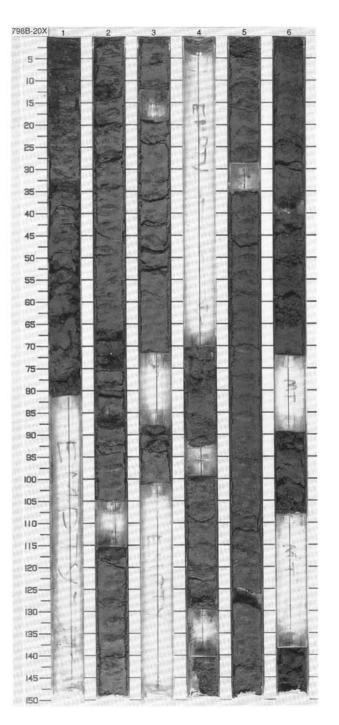
TIME-ROCK UNIT	FORAMINIFERS 10 0	NANNOFOSSILS 155	RADIOLARIANS	RAC	SILICOFLAGEL - H	PALEOMAGNETICS	PHYS. PROPERTIES	rry		53	GRAPHIC LITHOLOGY	DRILLING DISTURB.	STRUCTURES		LITHOLOGIC DESCRIPTION
TIME-	ORAMIN	ANNOF	ADIOLA	DIATOMS	ATES/E	ALEON	HYS. F	CHEMISTRY	SECTION	METERS		RILLIN	SED. ST	SAMPLES	
	u	Z	a	0	101	a a	•0=73.6 p	-	1	0.5	F F F \$ \$ \$ \$ \$	-	1	*	Moderate drilling disturbance. DIATOMACEOUS OOZE with NANNOFOSSILS and SILTY CLAY with DIATOMS Major lithology: Grayish green (10Y 4/2) to greenish gray (5Y 4/2) DIATOMACEOUS OOZE with NANNOFOSSILS in Sections 1 to 5, and
								5=10.3		1.0	F F F		₹ •A		greenish gray (10Y 4/2) SILTY CLAY with DIATOMS in Section 6. Minor lithology: White thin VOLCANIC ASH layers in Section 3, 80 cm, and in Section 4, 70 cm. Ash pods occur in Sections 1, 3, and 5. SMEAR SLIDE SUMMARY (%):
						œ	• \$=75.5	• %CaCO	2	마마마카구구			5		1, 63 3, 81 3, 91 5, 17 6, 59 D M D D D Sand 5 60 5 3 5
							10.4								Silt 65 40 50 67 50 Clay 30 - 45 30 45 COMPOSITION: Biotite - 1
нY			davisiana			œ	• 0.67.5 P=1.54		3	مرلمرمط			• • A	**	Doume r - 45 10 40 Diatoms 50 - 20 60 10 Feldspar - 2 - - - Fish - - Tr - Tr Foraminifers 5 - 5 5 5 Glass - 95 5 - 5
QUATERNARY		CN13	Cycladophora d	6			•0*68.1 • • 1.56	CaCO3=1.70 %TOC=2.21	_	1111111111					Nannofossils 25 10 Opaques 2 1 2 2 Pyroxene 1 Quartz 3 1 20 5 30 Silicoftagelates Tr Tr
5			Cycla			æ	-00 -00	×.•	4	փիկիկի	++++		* *		Spicules 10 3 8 5
						ж	• \$=74.2		5	արուսեր	+ + + + + + + + + + + + + + + + + + +			•	
								.70		11111111111			<u>۱</u>		
						œ	• \$=65.2	• %CaCO3=5. %TOC=1.	6	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				*	
	C/M	F/P	R/M	F/P	B				cc	YTY, Y					

SITE 798 HOLE B CORE 19X CORED INTERVAL 1071.6-1081.3 mbsi; 171.6-181.3 mbsf



485

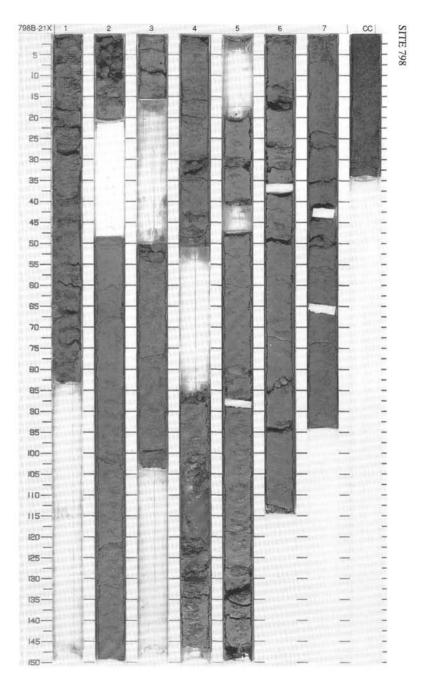
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TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	-	-	-			-	-			-	°∧E=	Ť	1		Moderate drilling disturbance.
						z	\$=71.3		45	0.5		-~~~		*	DIATOMACEOUS CLAYEY MIXED SEDIMENT, DIATOM OOZE, DIATOMACEOUS CLAY CLAY, and CLAYEY MIXED SEDIMENT
								03=4.90 0C=1.12		1.0		5			Major lithology: This core contains DIATOMACEOUS CLAYEY MIXED SEDIMENT, CLAYI MIXED SEDIMENT with FORAMINIFERS, SPICULES, NANNOFOSSILS, and DIATOMS, and DIATOM OOZE with NANNOFOSSILS, CLAY, and SPICULES in the upper part of the core (Sections 1 through 7). These sediments are light gray to dark gray and olive gray (5% 6/1-5Y 4/1; 5Y 4/2). The lower part of the core (Section 7 through the core catcher) contain dark gray (5% 6/1) DIATOMACEOUS CLAY and CLAY with SPICULES and DIATOMS.
							\$=67.7	X TOG		1					Minor lithology: Several PUMICE fragments are found in Section 6.
						α	•	•		1	XEE				SMEAR SLIDE SUMMARY (%):
ł									2		<u> 1995</u>	1			1, 44 2, 60 3, 50 6, 18 D D D D
										1		i.			TEXTURE
							-68.5			-					Sand – 2 5 2 Sitt 55 50 40 70
						æ	0-9-6-			-	HOFE	i			Clay 45 48 55 25 COMPOSITION:
			B	5	60				3		+	İ		*	Clay 35 45 38 15
			siar	oculatus	: 1:05					-	HISE	1			Diatoms 30 20 20 35 Feldspar
AH			davisiana	000	subarctios					-		1			Fish 1 Tr Tr Tr Foraminifers 1 5 10 5 Glass 1 1 — Tr
Ľ		CN13		SIN											Nannofossils 1 15 10 Opaques 2 1 1
QUALERNART		0	ophe	ocyc	och			220		-					Pyrife 3 — — — Quartz 15 15 5 10 Silcoflagellates Tr Tr 1 3
5			Cycladophora	Actinocyclus	Dictyocha		4.4	CaCO3=6 % TOC=1	4			i.			Silicolfagellates Tr Tr 1 3 Spicules 10 10 10 20
			CY	AC	0		0=76 P=1.6	XCaC					F		
						щ		0-							
							1.42	003=7		:		1			
						æ	•	%CaC03							
							5.3	•	5			Ì			
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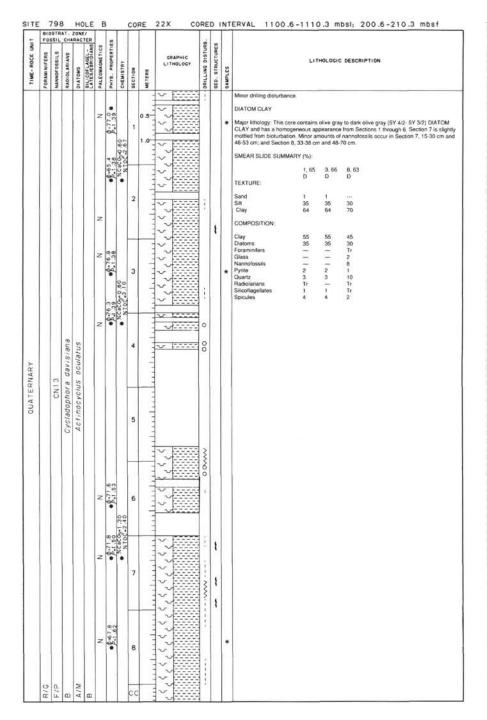


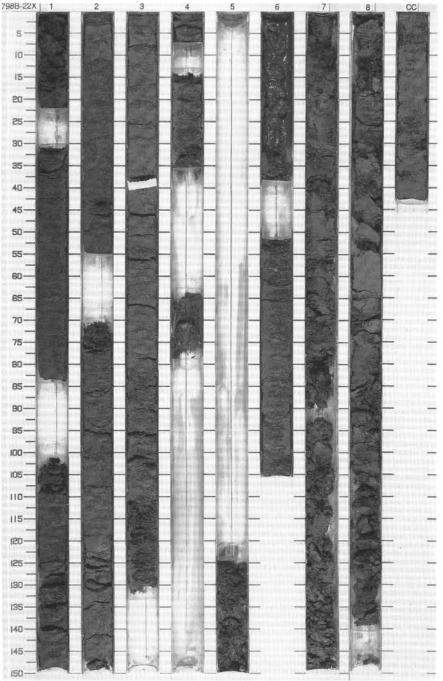
		SSIL		RAC	TER		ŝ					38.	0		
A HOLE - HOLE O	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
										10.00	1				(cont .)
						N			7	0.5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
						N			8						
	F/M	F/P	R/M	C/M	C/M	N			9	the second second second					

798B-20X	7	8	9	CC
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60	-	-		-
65	-		-	-
70-	2115		-	-
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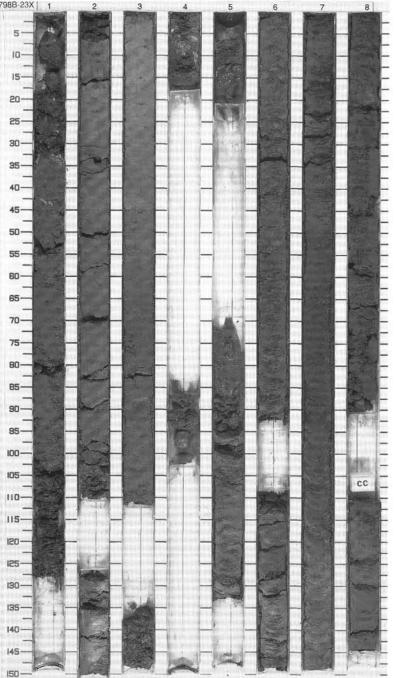
TINU	BIO	STRA	AT	ZONE	TER				COF		21X CC			Γ	ERVAL 1090.0-1100.6 mbsl: 191.0-200.6 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							D=74.2	30	1	0.5-					Moderate drilling disturbance. DIATOM OOZE, CLAYEY DIATOM MIXED SEDIMENT Major lithology: This core contains olive gray (5Y 4/2) CLAYEY DIATOM MIXED SEDIMEN in Sections 1 through 5. Greenish gray to dark greenish gray (5GY 5/1-5GY 4/1) and olive gray (5Y 5/2 4/2) DIATOM OOZE with CLAY is predominant in Sections 7 through the core catcher.
								03=2.3							Minor lithology: Several scattered PUMICE fragments in this core.
							4.80	XCaC			~ 19999			мв	SMEAR SLIDE SUMMARY (%): 3, 77 6, 64 CC, 16
						z	• \$=72	•	2		Č			mD	5,77 0,04 CO,10 D D D D
								43		1					Sand 7 1 5 Silt 50 50 65 Clay 43 49 30
1							0.0	503=3 0C=1		-	1				COMPOSITION:
							• 0=66.	• *CaCO	3						Clay 20 30 14 Diatoms 40 40 65 Foraminifers 1 1 1
			davisiana	oculatus	ctios	z		.22		-	<u></u>			*	Giass 5 2 Nannolossils 5 3 5 Pyrite 1 1 Tr Quartz 21 20 15
NAR		е			ubar		0,0	1-200		_	-				Radiolarians 2 1 — Silicoflagellates 2 — —
QUATERNARY		CN1	Cycladophora	Actinocyclus	Dictyocha subarctios		•0*73.9	• %CaCO		Ť.	~				Spicules 2 2 —
0			Cycladi	ACTINC	Dictyo				4	14		00			
			1.50				5.3				4	3			
							•0=1					1			
								540	5						
							5.5	03=3							
							• \$=78	• %CaC							
									6						
						z	0.66.1 P.1.66	000-00			~~~				
								0. XCa						1 W	
							9.5	%CaCO3=8.20		1000	唱 ~~				
			-	_	-	z		XCaC XTO	7		間 、、				
	R/G	F/P	R/M	C/M	C/M				cc		国~~~	li		*	



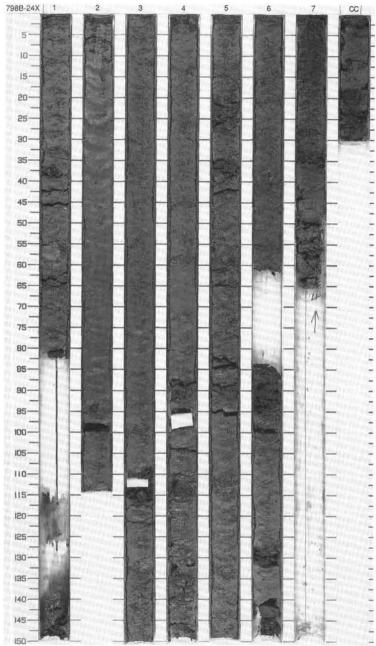




-	8105 F055	TRAT	. ZOP	OL	Т	B		٦		E 23X (Г	Τ			bsl: 210.3-220.0 mbsf	798B
INC YOOK ON			DIATOMS	AGEL -		PALEOMAUNE ITCS	PHTS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	1	THOLOGH	DESCRIPTION	5
		CN13 7				-6-77 3	P.1.40 P.1.41	212					•	Major lithology: This homogeneo: 5Y 4(1) DIATOM CLAY with QUA DIATOM CLAY with NANNOFOS 3 through 8 are bioturbated at var	s core is o RTZ in Se SILS and ious inten	I CLAY with NANNOFOSSILS and QUARTZ composed of olive gray to dark olive gray (50 cons 1, 2, and 4 through the core calcher, a QUARTZ in Section 3. The sediments of Sec als. WE pods occur in Section 6, 40-42 cm.	19 0005 25 300
	c				N			•	2					TEXTURE Sand 5 Sitt 35 Clay 60 COMPOSITION:	3, 75 D 4 60 35	7, 53 D 1 30 69	35 40 45
					0	.0-	1.d.		3			****	•	Clay 55 Diatoms 30 Fish Tr Glauconite Tr Namofossis – Pyrite 1 Quart 10 Radiolarias – Silicotfagellates Tr	30 45 	65 20 	50
			oculatus	subarctios					4					Spicules 4	3	Tr 2	65 70 75
		c	6			6-17.5	P.1.45	XT0C-1.60	5		Will						80
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P-1.52	•	6		100000000000000000000000000000000000000	1 1 1 1					100
					0	T. 0.68.5	P.1.58	* XTOC-2.71	7			** * * * *					110 115 120
	R/M	R/P	C/M	E /M		T	P.1.48		8 CC			1 1 1 1 1 1 1					130 135 140



UNIT			CHI		TER		s										bsl: 220.0-229.7 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	5.3 PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	L.	THOLOGIC	DESCRIPTION
						α	17		1	0.5		·		*	CEOUS CLAY with SPICULES in	dark olive Sections 1	gray to olive gray (5Y 3/2- 5Y 4/2) DIATOMA- through 5, and in Section 7 through the core / with DIATOMS in Section 6. Sections 2 and 3
							-0	03=0.60 0C=2.94			~	;	1		cm.	nded pumi	ce fragments (0.5 by 1 cm) occur in Section 6, 38
						а		3.03 *KCaCC	2	in the	~~ ~~		* * *		SMEAR SLIDE SUMMARY (%): 1, 52 D TEXTURE:	6, 135 D	7, 34 D
								XCaC03=0.70 XIOC=3.03			~	Ē	Ì		Sand Tr Silt 20 Clay 80	25 75	Tr 20 80
						æ	2.1	•		-	~		1		COMPOSITION:		
				umii (?)	gulare	L.	• \$=1		3		、 、		1		Clay 50 Diatoms 40 Pyrite 1 Quartz 3 Radiolarians Tr	55 10 25 	55 30 Tr 10 —
NE				koizu	rectangular			-2.27		Lini		111			Silicoflagellates — Spicules 3	Tr 10	Tr 5
PLIOCENE				Neodenticula koizumii	Ammodochium	н	• p=14.5	• XCaCO3 XTOC		1111	~~ ~						
				Neod	Ammod				4	- martin		10 E					
		1 7					5.3				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
						æ	• \$=15		5	1111	~` ``	~~~~~					
								.70		1.1.1.1	\sim	3					
							72.8	 %CaC03=0 %I0C-2 	_	-							
						æ	-8-	*	6	1111			٥A				
										l.r		~~					
						æ	• \$=73.0					- ~~		*			
	R/M	В	R/M	C/M	F/M	-			7 CC	-	~~ 	~~~~~~	1	*			

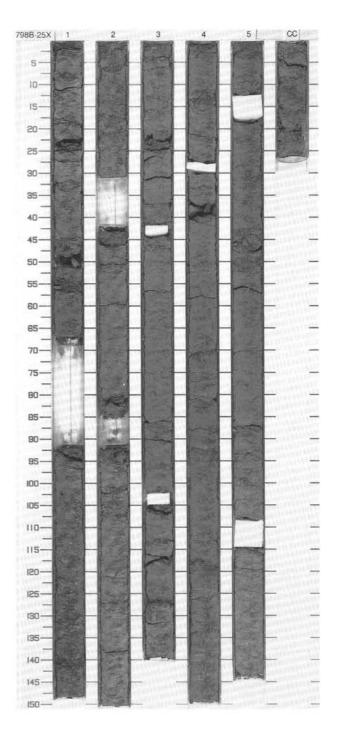


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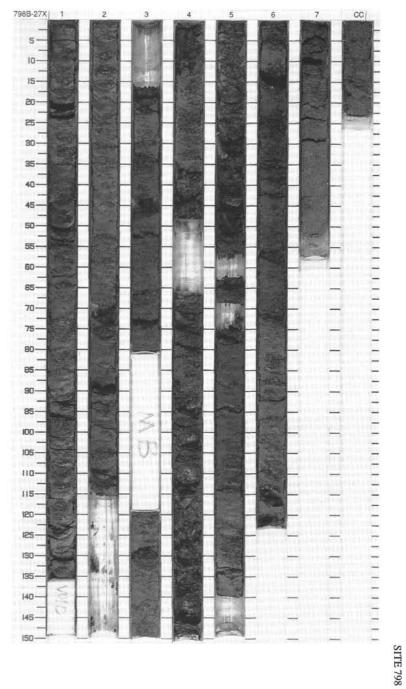
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F		STR	AT. CHA								2	10.00		
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS		SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	H.	2	R.	<u>a</u>	00	a a	• 0.63.0 Pail:54		1	w		00A	*	Minor drilling disturbance. DIATOM OOZE with SILTY CLAY and DIATOMACEOUS SILTY CLAY Major lithology: This core contains olive gray (5Y 4/2) DIATOM OOZE with SILTY CLAY an DIATOMACEOUS SILTY CLAY. The sediments are bioturbated in the middle of Section 5, but otherwise tack sedimentary structures. Minor lithology: A pocket of VITRIC ASH occurs in Section 1, 112 cm. SMEAR SLIDE SUMMARY (%): 1, 112 TEXTURE: Sand 5
PLIOCENE			2	Neodenticula koizumii	Ammodochium rectangulare	я	\$2.12.4 \$1.54 \$1.54	×CaCO _{3=1.20} ×ToC=1.77	3					Sait B5 Clay 10 COMPOSITION: Diatoms 4 Feldspar 10 Foraminifers 10 Glass 64 Solicotlagelates 2 Spicules 10
	R/G	F/P	F/M	C/M	R/M	я	• 0=74.4 D=1.41		5			ł		

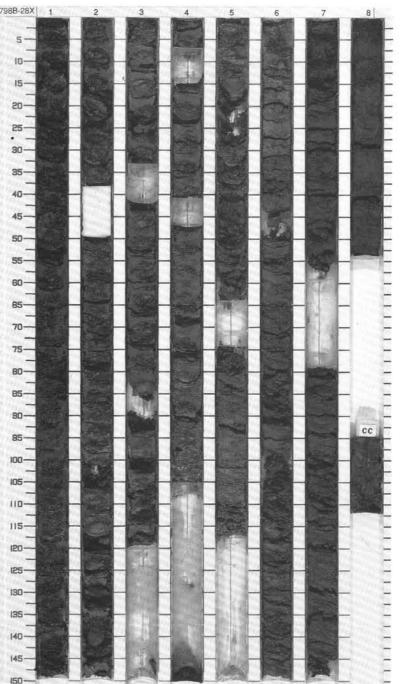
798B 26X NO RECOVERY



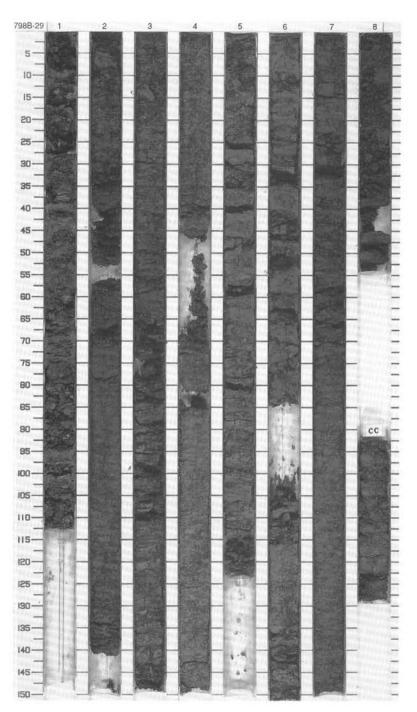
_	BI0 FOS		CHA												
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Ē				-		Ť			Extensive to moderate disturbance.
							0-64.8 P=1.66			0.5			8		CLAY, SILTY CLAY, DIATOMACEOUS CLAYEY MIXED SEDIMENT AND DIATOMACEOU
						Z	•	1.50	1	1.0					Major lithology: This core contains mostly CLAY, DIATOMACEOUS OOZE and DIATOMA- CEOUS CLAYEY MIXED SEDIMENT below Section 3. Sections 1 and 2 contain SILTY CLAY. The sediments are dark gray, olive gray to olive (5Y 4/1-5Y 5-4/2 5Y 54/3). Sparse bi outurbation features and a few planar lamitations are evident in Section 5.
							5.2	TOC=				9			SMEAR SLIDE SUMMARY (%):
						α	• 0=65	XCaC		1		1			1, 69 3, 60 5, 86 7, 33
						LT.			2	-		1			D D D TEXTURE:
									-	-		i			Sand Tr 3
										-					Clay 80 35 80 57
							0.0			-					COMPOSITION:
						æ	1-g.			1		1	1		Clay 60 30 44 15
1					e	LT.				4		4	1		Diatoms 10 50 40 70 Dolomite Tr
				111	rectangular		1.75	=0.60	3	1	Elv v	3	1	IW	Foraminifers Tr Glass Tr 5
				ZUN	ang		2=0	6.2		-				MB	Nannofossils Tr Pyrite 1 1
Ļ				koi	ect		%Cacoa=0 %Toc=1	XCaCO XTO		1	~ ~ ~	6			Quartz 25 5 5 5 Radiolarians Tr
5			2	sila.	n r		L		-			~~~~~	1	1	Silicoflagellates Tr 1 Spicules 5 10 5 5
LIUCENE				tic	hiur		6.4 .	- 90				3	1		
-				Neodenticula koizumii	Ammodochium		1.1	0-50	4			>			
				Neo	om		· · · ·	%CaCO3 %T0C							
					AM			*				3			
1										-		3			
										1		3			
							- 0			1		3			
							Ø=69.7		5	-		3			
						æ	•			-	~			*	
						-						1	1		
				1					-	-	v v	T.	à		
								1.50		1			â		
						œ	- *	500	6	1	~		11		
							5.1.68	*CaCO3=1.	6	1	~~~	1	1	1	
						Ľ	•	•		1	~~~~	L.	11		
							I .			- 5		1	"		
							0=78.0			-	EV.Y	3			
			-	0	5	œ		1	7	1 5	Ev v	1	1	*	
	1	B	R/M	A/G	F/M			1	cc	-	- ~~		1	1	



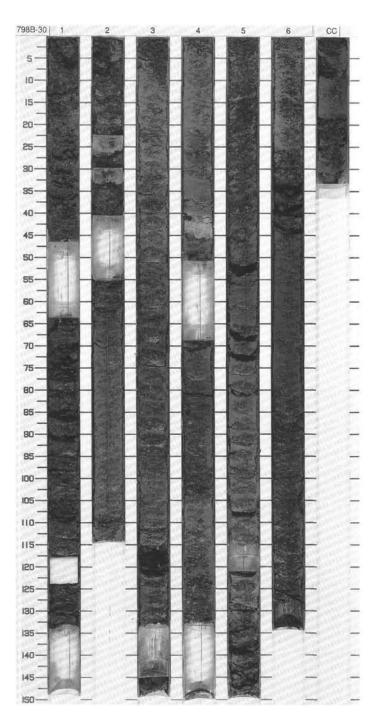
-	BIC	SSIL	AT.	ZONE	E/ TEP				CO	RE 28X C		Γ	Г					258.7-268.3 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNE TICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURE.	SED. STRUCTURES	SAMPLES		10	HOLOGI	C DESCR	IPTION
														Drilling disturbance mod	erate to se	vere.		
						1000	0=77.9 p=1.38	2.61	1				•	MENT Major lithology: This core	contains	DIATOM	OOZE. C	TOMACEOUS CLAYEY MIXED SEDI- CLAYEY DIATOM COZE and DIATOMA- mounts of SPONGE SPICULES and
						Z	69.6	• %CaCO3=0 %TOC=2						SILICOFLAGELLATES. from 40% in Section 2 to about 40 to 50% of the s	The percer 70% in Se	ntage of ection 7.	biosiliceo The abun	us components increases downcore idance of detrital material constitutes
							•B=8-						•	Minor lithologies: a. OPAQUE MINERALS b. A trace of GLAUCONI		olume) a TS is pre	re scatte isent in S	red throughout. ection 2.
						æ			2					SMEAR SLIDE SUMMAI	RY (%): 1, 54	2, 12	5, 83	7. 35
							49							TEXTURE	D	D	5.83 D	0
							• 0-69.8			-~篇	li			Sand Silt	5 15	55	80	2 83
							•							Clay	20	45	20	15
									3	1				COMPOSITION				
						œ		20		1				Clay Diatoms	20 45	40 34	15 65	14 70
								0-0-0			1			Feldspar Fish Glass	4 Tr	Tr	-	
		.+			310		4.1.4	X TOI						Glauconite Opaques	1	Tr t		Tr
				imit	gula			•						Quartz Silicoflageliates	15	15	10 Tr	5
w				DIZU	rectangular	œ			4	国~~				Spicules	15	10	9	10
PLIOCENE				a k							0							
100			~	icul	ium		4.9											
ā.				Neodenticula koizumii	Ammodochium		6-17				0							
				Veo	тоа		•			1~~~	3							
					Am				5	-12.20	2							
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							61-10	XCaC XIG			~~~~	1						
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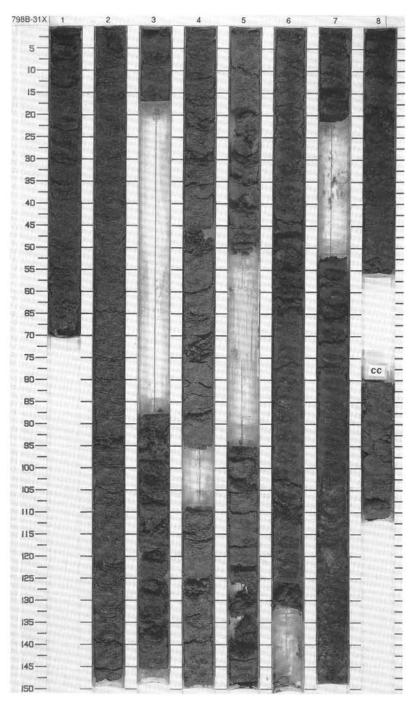
TE	BIC	798 ISTR	AT.	ZON	TER		8	Γ	co	RE 29X					ERVAL 1168.3-1177.2 mbsl: 268.3-277.2 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	CRAP LITHO	HICLOGY	DRILLING DISTURE	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
			•				\$=70.6		1	0.5	\$ \$ \$ \$ \$ \$ \$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Severe to moderate drilling disturbance. DIATOMACEOUS CLAYEY MIXED SEDIMENTS, DIATOM OOZE AND CLAYEY DIATOM OOZE Major lithology. This core is very uniform throughout, consisting of gray to glive (5Y 5/1-5Y 5/3) DIATOMACEOUS CLAYEY MIXED SEDIMENT in Section 1, DIATOM OOZE with CLAY in Section 2, and CLAYEY DIATOM OOZE with SPICLLES throughout the remaining sections. Bioturbated intervals are present in Section 5, 50-65 and 90-124 cm, and in Section 7, 100-120 cm.
						α	36 0.136 0.137		2		\$ \$ \$ \$ \$ \$ \$ \$ \$	······			SMEAR SLIDE SUMMARY (%) 1,44 2,77 5,76 7,75 D D D D TEXTURE: Sand 10 5 3 Silt 60 75 65 77 Clay 40 15 30 20 COMPOSITION
						R	16.5 • 0-79.8	5003-0.80 T0C-2.81	3	*****		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Cary 30 15 30 20 Datames 45 75 50 70 Fish Tr — — Tr Glass 2 1 2 1 Opaques 2 1 2 1 Quartz 15 5 8 4 Sticologellates — — Tr Spicules 8 4 10 5
PLIOCENE	not examined		not examined	Neodenticula korzumii	not examined	Я	• \$-74.9	×2ו	4	<pre> </pre> </td <td></td> <td></td> <td></td> <td></td> <td></td>					
				Nec		н		CO3-1.20 OC-2.60	5	\$ \$ \$ \$ \$			*	•	
						æ		• XTO	6		\$				
						æ	\$*74.9 P.1.40		7		\$\$\$\$\$\$\$\$		1		
		в		C/M					8 CC		>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	~~~~			

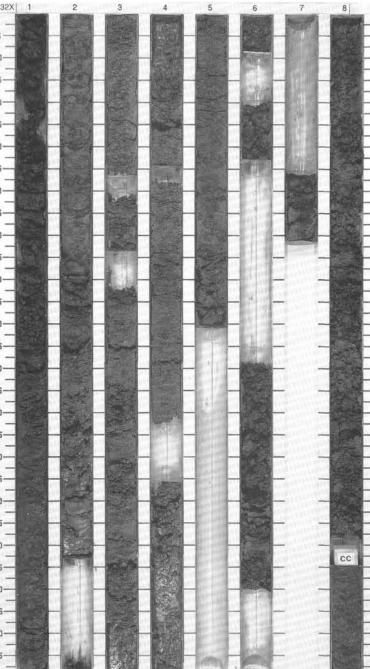


TE		798 STR	AT			E	Í	<u> </u>	COR		30X CC		T		ERVAL 1177.2-1186.4 mbsl: 277.2-286.4 mbsf
UNIT			СНА		TER	07	ES					88.	5		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	-	-	u	-		- u	-	Ť		-	~~~~				Moderate to severe drilling disturbance.
												Nov			SILTY CLAY, DIATOM OOZE with CLAY, DIATOMACEOUS CLAY, and DIATOM CLAYE
							4.5		1	0.5		1		*	MIXED SEDIMENT
							• \$=15.		1	1.0					Major tithology: In this rather uniform core, dark greenish gray (5Y 33-10Y 4/2) DATOM OOZE with CLAY grades downward into DIATOM CLAY and SILTY CLAY with DIATOM with a maximum in terrigenous detritus in Section 3. Below Section 5, 130 cm. DIATOM CLAYEY MIXED SEDIMENT prevails. Uniformity is probably an artifact of XCB-associate drilling disturbance.
												3			Minor lithology: Prominent ASH layer in Section 4, 40-44 cm.
										-		3			SMEAR SLIDE SUMMARY (%):
							6.9		2						1,67 3,30 4,43 6,75
						z	Ø=66.9	060	-	3					D D M D
							•	1 1		-		13		06	TEXTURE:
								XCaCO3		1				IW	Sand 10 45 Silt 65 50 55 55
										-		1			Clay 25 50 — 45
					e							i		*	COMPOSITION:
				nii	rectangular		6.4		3	-		li			Biotite — Tr —
				koizumii	bue	œ	-65				1====				Clay 23 45 - 40 Diatoms 60 12 - 35
LI.				01	cta		00								Feldspar 1 -
1					re							ļ			Glass Tr 5 98 Tr Hornblende — Tr —
5			~	cul	En					-		1			Opaques 2 5 - 3 Pyroxene - Tr -
PLIUCENE				111	4					-					Quartz 5 30 1 10
				iapo	doc					3	M	e.		*	Silicoflagellates Tr Spicules 10 3 - 10
				Neodenticula	Ammodochium		52		4	-	1	1			
				1	Am	2	• \$=70.			-	\sim				
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						æ	48		6	-		i		*	
						14	0.82 P.1.4			-	VEE	1			
			Σ	Σ	Σ		•			1 3	~ ==				
	m	B	R/M	C/M	R/M				cc	-	~ EE		E		
	1	1	1	1	1	1	1	1	100	1	hc ====	11	1	1	

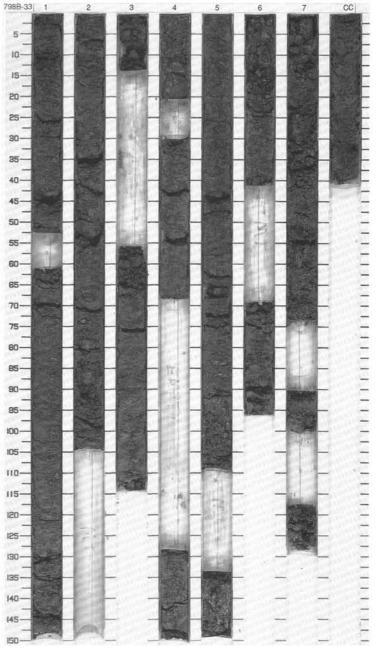


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TIME-ROCK UNI	FORAMINIFERS	NANNOF OSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMACHETICS			SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							Т	0-1-36		0.5		~~~~~			Severe drilling disturbance. DIATOMACEOUS OOZE, CLAY, and CLAYEY DIATOMACEOUS MIXED SEDIMENT Major lithology: Due to XCB drilling and extreme disturbance. this core exhibits an overall uniform appearance. Sediments consist of olive gray (5Y 52:5Y 42) CLAY and DIATOMA CEOUS OOZE with SPICULES in Sections 1 to 5 and in the core cacher. Clay content increases in Sectors 5 and 7, where CLAYEY DIATOMACEOUS MIXED SEDIMENT with SPICULES and GLASS prevail.
							T. +1. 0-	B0. P.1.37		Line -		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Minor lithology: VOLCANIC ASH pods are present in Sections 2, 5, 6, 7, and in the core catcher. There is a 1 mm thick ach layer in the core catcher. SMEAR SLIDE SUMMARY (%):
								KCaCO3-0	2	- Contractor		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1		1,40 4,80 6,85 D D D TEXTURE Sand 5 5 5
									3	. Trent	0,0,0	3	JA		Sit         00         70         70           Clay         15         25         25           Clay         13         20         25
							2	0.40		to here					Datisms         70         60         40           Glass         —         Tr         15           Opaquels         2         1         2           Duartz         5         9         8           Spicules         10         10         10
VE				koizumii	ua antiqua		B.07.0.	×CaC03=0.40	410112			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
PLIOCENE			c	Neodenticula	antic								11		
				Neo	Ebriopsis	140000000000000000000000000000000000000		02.	5	al ana ba	0,0,0	3	۰.4		
							0.75.4	P.1.42	2-110	1			ų.		
									6		1111111111	3	٥A	•	
							8			l		!			
						a	-Ø-74.8	3	7	and in the	100000	~	JA oA		
		B	W	A/G	F/M	a	4-273.4	YCaCO.	8		2°°°°		1 oA		





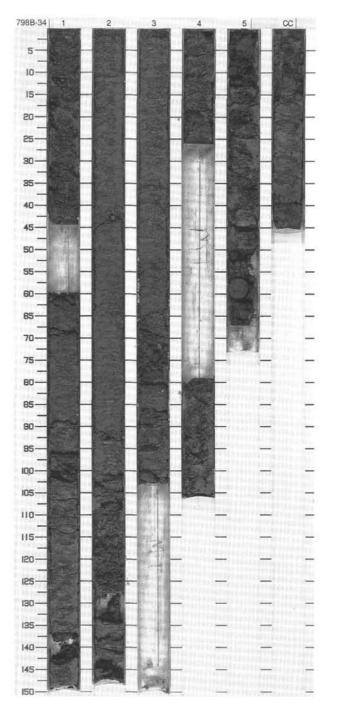
TE	810	198		ZON	TER	Γ		Γ		RE 33X			Τ	ERVAL 1205.7-1215.3 mbsl: 305.7-315.3 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION		DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							• \$=75.0 \$=75.6		1	0.5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				Severe drilling disturbance. DIATOMACEOUS SILTY CLAY Major lithology: Olive to dark olive gray (5Y 4/3-5Y 4/2-5Y 3/2) DIATOMACEOUS SILTY CLAY, structureless with substantial drilling disturbance. Rare euhedral dolomite rhombs occur in Section 4, 62 cm; pyrite is ubiquitous. Unidentified stellate microcrystals (thin neec shaped opaque crystals in a spherically-radiating arrangement) are present in Section 2, 11 cm. SMEAR SLIDE SUMMARY (%):
						z	•		2				*	2, 17 4, 62 M M Silt 30 30 Clay 70 70 COMPOSITION:
						z	• 0=75.2	<ul> <li>XCaCO₃=0.50</li> <li>XTOC=1.92</li> </ul>	з					Clay         49         35           Diatoms         30         40           Glass         3            Pyrite         15         25           Quartz         15         25           Radiotarians          Tr           Silicoflageliates         1            Spicules         1         Tr
PLIUCENE			6	Neodenticula koizumir	inguingii	z	• 0=75.3	• %CaCO3=0.30 %TOC=1.81	4		~ ~~		0G 1W	
r				Neoden	Distephanus	z	• 0=75.5 P=1.42	.80	5					
							• 0=73.9 P=1.42	• XCaCO-0	6		····· ·····			
									7					
	B	60	R/M	AG	F/M	z			сс					



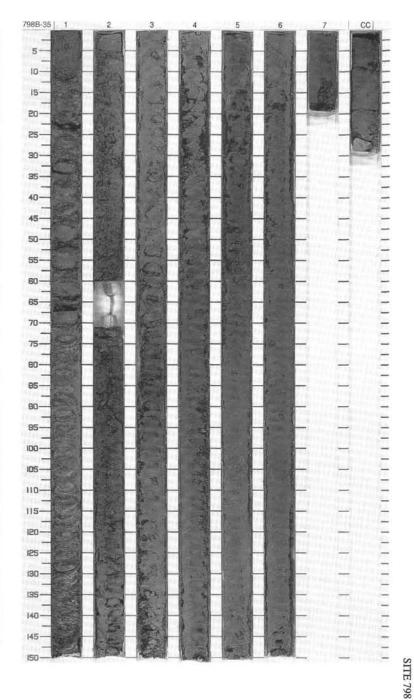
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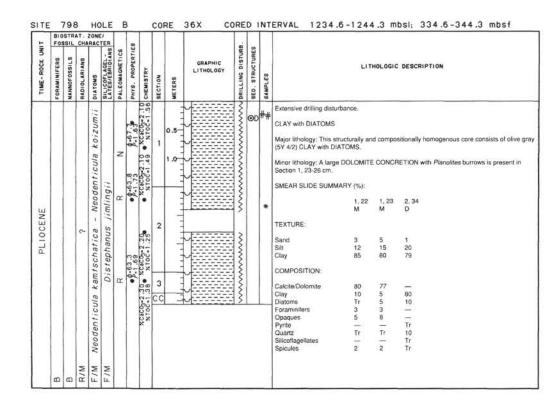
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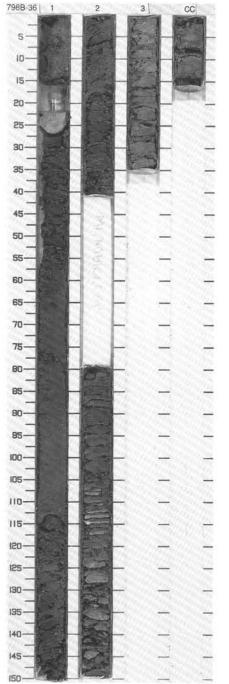
UNIT		SSIL		ZONE			SB					88	50		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHVS. PROPERTIES	CHEMISTRY	SECTION	METERS	RAPHIC	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLIOCENE		R/P		C/M Neodenticula kamtschatica - Neodenticula koizumii		z	• 0=1.45	ICO=1.10 • XC3CO=0.70 • XC3CO=0.70 • XC3CO=0.70	1 2 3 4 5	0.5		-0- ····· · · · · · · · · · · · · · · ·	*** ***	*	Moderate to severe drilling disturbance. DIATOMACEOUS CLAY Major Inhology: This core consists of olive gray to dark olive gray (5Y 4/2-5Y 3/2) DIATOMA CEOUS CLAY: motiled/biolurbated sediments are evident in Section 1, 86-98 and 112-118 cm and in Section 2, 13-17, 33-38, and 65-72 cm. Minor lithologies: a. A 1 cm diameter piece of PUMICE in Section 2, 42 cm. b. Dark gray (5Y 4/1) SILTY CLAY is present in Section 5, 28-50 cm, and in the core catche 0-43 cm. SMEAR SLIDE SUMMARY (%): 2, 85 CC, 17 M M TEXTURE: Sand 2 20 Sitt 43 80 Clay 55 — COMPOSITION: Clay 50 80 Diatoms 40 5 Feldspar 1r — Glass 1r — Silcoftageliates 1r — Silcoftageliates 1r — Silcoftageliates 3 —



Ŀ	BI0 FOS	STR		ZON	TER		50							
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTUR	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
				koizumii		z	Ø=66.2		1			5		Extensive drilling disturbance. CLAY with DIATOMS and SILTY CLAY Major lithology: This core consists mostly of olive gray (5Y 5/2-5Y 4/2) and partly bioturba ( <i>Planolites</i> ) CLAY with DIATOMS. Section 1, 50-150 cm, contains a homogeneous gray ( 5/1) SILTY CLAY. Minor lithologies: a. Olive Gray (5Y 4/3) DOLOMITE NODULE in the core catcher, 26-30 cm. b. Minor ECHINODERM FRAGMENTS in Section 4, 47 cm. SMEAR SLIDE SUMMARY (%): 4, 47 D TEXTURE: Sand 3 Sit 15
PLIOCENE			2	kamtschatica - Neodenticula ko	Distephanus jimilingii		●Ø=66.1 ●Ø=1.62	5.00	3			*** ****	*	Ciay 82 COMPOSITION: Calcite 5 Clay 70 Diatoms 15 Focaminiters Tr Glauconite Tr Pyrite 3 Quartz 6
				Neodenticula		а	\$ = 65.0		5			1 1		
	R/M	C/P	R/M	F/P	F/M	a	0=70.9 D=154	-XCaCO ₃₄₄ 40 - XCaCO ₃ -0.70	6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	OD		





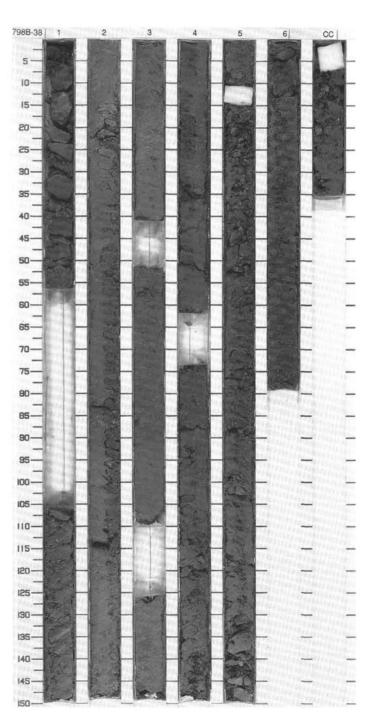


UNIT		SSIL			TER		52										
TIME-ROCK UN	FORAMINIFERS	MANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	HOLOGIC	DESCRIPTION
				Neodenticula koizumii			• 0-63.		1	0.5 1.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		*	Major lithology: This high (5Y 4/1) DIATOMACEO	Y, DIATOM hly disturbe US CLAY, I LCANIC Gi is appear to	d core co DIATOM LASS. Bi	S CLAYEY MIXED SEDIMENT, and CLAY ontains olive gray (5Y 5/2-5Y 4/2) to dark gra ACEOUS CLAYEY MIXED SEDIMENT, and ourbation is clearly evident in Section 3, 50-7 ly mottled.
PLIOCENE			2	kamtschtica -	Distephanus jimlingii	z	P=1.62	• x CaCO ₃₋₂ .70 x TOC-1 .30	2		······································	**	*	TEXTURE: Sand Silt Clay COMPOSITION: Clay Diatoms	1, 37 D 2 20 78 70 5	2,44 D Tr 40 60 50 30	3, 62 D 1 25 74 40 35
				Neodenticula		z	•		cc		-~~~~	ü	*	Foraminifers Glass Quartz Radiolarians Silicoflagellates Spicules	Tr 10 10 Tr 1 2	Tr 10 	 20  5
		8		A/M	R/M												

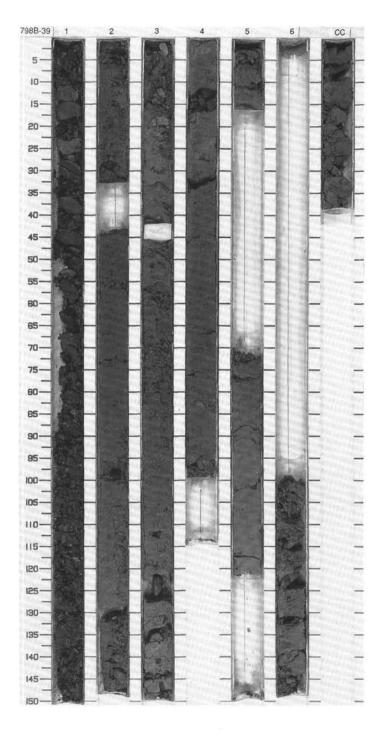
798B-37X 1	2	3	CC
5-		1	
-			
		100	
1 (200) - Wells		1	- Hora
-			1 51
- 33		1 200	- Store
100-20	7	1 1 1	
- 55			
-		51	
-	The less	Lange and	
-		Lett	
-			
- Aline			
		T	
-			-
75—	3	-	
80-08			
85-		-	-
90-		-	
95-		-	
100-	1-19	-	
105-	1-1-25	-	
110-		-	<u></u>
115-	60-1-5	-	<u></u>
120-	1 100	-	
125-		_	19 m 19 19
130-	-	_	<u></u>
135—	-	-	
	-	-	
	- 22	-	-

SITE 798

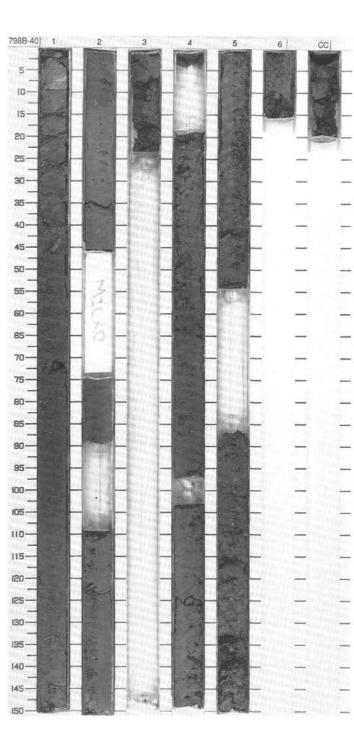
ITE		98	NT. 1	1.1.1.1.1.1	LE	B	í T		COF	RE 38X C	T	<u> </u>	<u> </u>	ERVAL 1253.9-1263.6 mbsl; 353.9-363.6 mbsf
UNIT	FOS		CHA	RAC	ER		ŝ				8	0		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z	55				~~~~~~	1 11		Severe drilling disturbance. CLAY with DIATOMS, DIATOMACEOUS CLAY, and DIATOMACEOUS CLAYEY MIXED
							59 00=10	co3=1.30 0C=1.42	1	1.0		100		SEDIMENT Major tithology: This core contains plive gray (10Y 4/1-10Y 3.5/1) CLAY with DIATOMS; DI TOMACEOUS CLAY, and DIATOMACEOUS CLAYEY MIXED SEDIMENT. Trace amounts phosphatic grants, silicoflagellates, and volcanic glass are also present in the core. Discrete burrows and extensive burrow motiling is evident in drilling biscuits. SMEAR SLIDE SUMMARY (%):
				inmii		z	•\$=70	• XCaCC	2					3, 96 5, 71 D D TEXTURE:
				ula koiz			49				~~~~~			Silt         10         20           Clay         90         80           COMPOSITION:         20
PLIOCENE			2	ica -Neodenticula koizumi	ing jimlingii	z	-1-3- -	.80	3					Clay         65         45           Datoms         20         35           Glass         2         3           Phosphate         3         Tr           Pynte         —         Tr           Quartz         10         10           Spicules         Tr         4
PLIG				kamtschatica	Distephanus		• = 72.3	×CaCO3=0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1		
				Neodenticula		z	5.5	XCaCO3=0.60 XTOC=1.40	4		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
				Ne				•	5			2 2 2	*	
						z	0-69-9	•XCaCO3=2.00	$\vdash$					
	8	8	R/M	A/M	F/M	Z			cc	-				



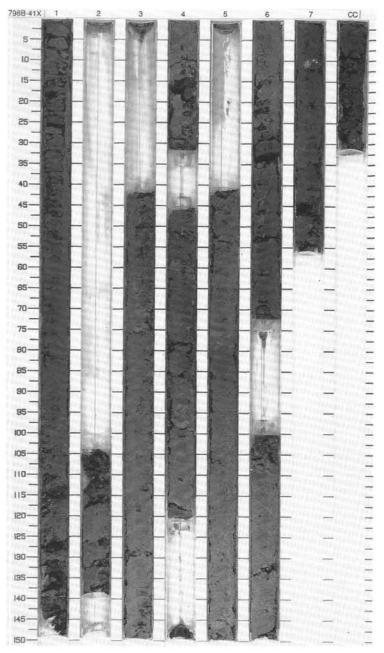
	BIO FOS	SSIL	AT. CHA	ZONE	TER	Γ	60					÷			
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z						3			Severe drilling disturbance.
							• \$=72.5		1	0.5		www.www.www		*	DIATOMACEOUS CLAY and CLAY with DIATOMS and SILT Major lithology: This extensively disturbed core contains dark gray (5Y 4/1), olive gray (5Y 4/2), and very dark gray (5Y 3/1) DIATOMACEOUS CLAY and CLAY with DIATOMS. Sponge spicules are a minor component. Burrow motiling is evident in some drilling biscuit but for the most part, the sediments are structureless.
										-		3			SMEAR SLIDE SUMMARY (%):
											9				1, 113 3, 131 D D
							P=12.4		2	1	~				TEXTURE
				mii					-		~	3	1		Sand 2 Silt 20 8
				koizumii							~	ş			Clay B0 90
										-		ş			COMPOSITION:
				Neodenticula						-		3			Clay 70 62 Diatoms 15 15 Glass — 3
				itus	11					1		3			Glauconite Tr
				ode	5UI				3	-		3			Pyrite 3 3 Quartz — 15 Soicules 10 2
Ľ					imlingi	z				-		ş			Spicules 10 2
L C			~	1								ş		*	
PLIOUENE	Ľ.			3110	han			200							
r				scha	Distephanus		9.6	1-00		-		ş			
				kamtschatica	Dis	z	P=72.6	XCaC	4	-		www.			
							•	•			100000	3			
				cul										1W	
				Neodenticula				•	$\vdash$	-	vt	3		-	•
				eod				1.28				1			
				Š				XCaC03=1.50	5	1					
						z		XCX				~~~~~			
										1		3			
										-					
								80		-					
		1			IC (		00		6				Ì.		
		1					-70	XCaCO ₃₌₁ .80 XTOC=1.14		1 3					
							80	•							
			R/M	C/M	F/M						$\sim$	3			
	6		۱œ	0	14						~	15		1	



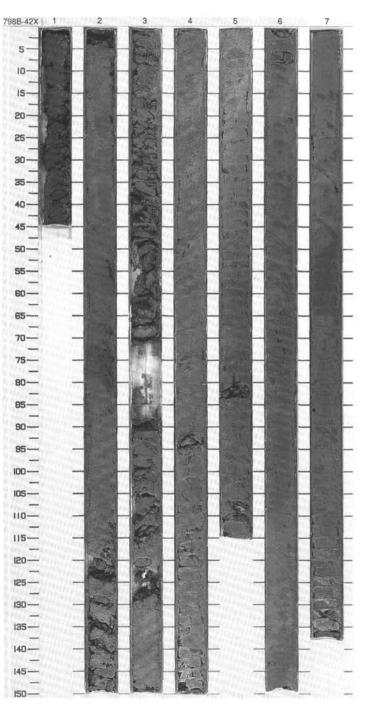
UNIT			AT.	RAC	TER		s						6		
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION		RAPHIC	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
		1917				z	0.69.3	XCaCO3-0.80 XTOC-1.80	1	0.5	00000000000000000000000000000000000000	* * * * * * * *	1	*	Severe drilling disturbance, formation of biscuits. CLAYEY SILICEOUS MIXED SEDIMENT Major lithology: This core contains dark gray (5Y 4/1) CLAYEY SILICEOUS MIXED SEDI- MENT, extensively disturbed by drilling. The sediment fabric in drilling biscuits is predomi- nantly structureless, with minor occurrences of vague motiling and two distinct burrows in Section 1, 35-40 cm. This core is the shallowest in which poor diatom preservation was nob in smear slides. Spicules are more abundant (15-30%) and represent a higher proportion of total biosiliceous debris (diatoms + spicules, 40-50%) than in overlying sediment, also suggesting silica dissolution. SMEAR SLIDE SUMMARY (%):
										100	∃~≎	×		мв	1,44 2,17 4,77
								•	2	-	30	×		MD	
				la koizumii				XCaCO3=0.70 XTOC=1.91		19999		×××			Sand Tr Tr — Silt 45 35 40 Clay 55 60 60 COMPOSITION:
ENE				- Neodenticula	s jimlingii	1			3						Clay         40         35         40           Diatoms         25         35         20           Foraminifers         1         Tr         2           Glass         5         5         5           Pyrite         1         —         1           Quartz         3         5         2           Radiolarians         —         —         Tr           Silcoftagellates         Tr         Tr         Tr
PLIOCENE			6	icula kamtschatica	Distephanus		52 \$P=1.47	• %CaCO3= 0.30 %T0C= 2.05	4		20000000000000000000000000000000000000	*****		*	Spicules 25 15 30
				Neodenticula			17-g.		5			××× ××	1		
	в	В	R/M	A/M	R/M				6 CC			× ° ×			



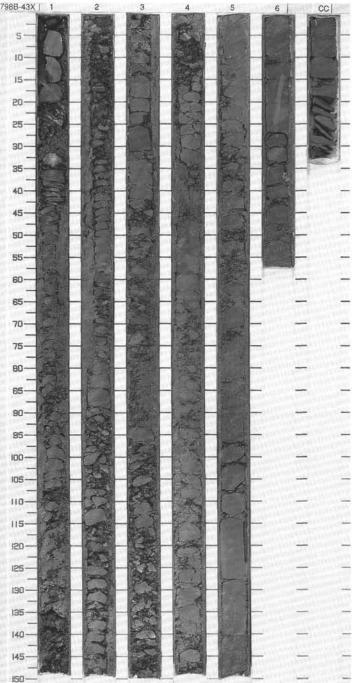
-		STR		RAC	TER		50								
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATONS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	X DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Z	•0=66.8		1	0 0 0 0 0 0		XXXXXXXX	***	*	Severe drilling disturbance, formation of biscuits. CLAYEY SILICEOUS MIXED SEDIMENT and SILICEOUS CLAYEY MIXED SEDIMENT Major lithology: This core consists of extensively disturbed dark gray (5Y 4/1) and olive gri (5Y 4/2) CLAYEY SILICEOUS MIXED SEDIMENT and SILICEOUS CLAYEY MIXED SEDIMENT, generally homogeneous in composition throughout the core. Drilling biscuits is generally structureless, but some intervals of bioturbation are recognizable, such as Section 1, 45-50 cm. Distinct biosiliceous debris averages 40-50% but, as in Core 128-7988-40X, spicules are comparatively abundant (20-25%), and diatoms and rare silicoflagellates show partial dissolution.
										Ξ					SMEAR SLIDE SUMMARY (%):
į.									2	Ē					1, 27 3. 75 3, 105 6, 45 D D D D
	6.			11						-	-	-v			TEXTURE
				ZUM				83			0	××			Sand 5 2 5 2 Silt 45 50 50 63
1				koi			6.0	00		-					Clay 50 48 45 35
1				Neodenticula koizumii			\$=71.3	X TO				×	1.9		COMPOSITION: Clay 45 45 45 35
				tic		α	•	•	3	10	0	1×		*	Diatoms 25 15 20 30
			61	den	ibu					1	0 E===	X			Glass 2 1 Tr Tr
				Neo	iimlingii					1	0	×	1	*	Opaques 3 2 2 4
				1	1.00					1		X	1		Quartz         5         10         5         10           Silicofiagellates           Tr
			~	ica	Snue		55.			1	C EEE	×			Spicules 20 25 25 20
-				Neodenticula kamtschatica	Distephanus	ж	•0=69.1	60	4	13.6.6	0	××××			
				ntic			0,00	50		-					
				odei			• = = 67	XCaC XT(		-10	_ E	×			
				Ne		Я	•	•	5	30		××			
								0.80		-10		Ŷ			
							2.9	×CaCO ₃₌₀ .8		30		×			
						ч	P=1.5	XCaC		-0		××			
ł						u.				-0		X		*	
								A .00	6	-20		×			
								XCaCO34		-		1	1		
								200		T.	0	×			
										-12	0	X			
									7	T.	0	1× ×			
	В	в	R/M	C/M	R/M				сс		0	×			



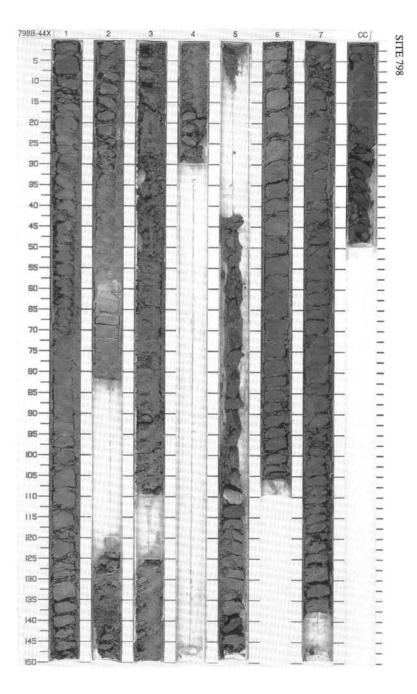
	FOS	STR	CHA	RAC	TER		5					ė	10			
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	NETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIP	TION
										-		××			Severe drilling disturbance, formation of biscuits	
										0.5	0.155		1		DIATOMACEOUS CLAY, CLAY with DIATOMS, and D SEDIMENT	HATOMACEOUS CLAYEY MIXED
							• 0=64.0		1	1.0					Major lithology: This core is a highly disturbed sequence gray to olive gray (5Y 4/1-5Y 4/2) DIATOMACEOUS CU Section 1, 0-45 cm. Throughout Sections 2 to 4 it is da DIATOMACEOUS CLAY. Throughout Sections 5 to 7 / DIATOMAS. Bioturbated intervals are prominent in Section the poorty preserved and show extensive dissolution a	LAYEY MIXED SEDIMENT is in rk gray to olive gray (5Y 4/1-5Y 4/2) t is gray (5Y 5/1) CLAY and CLAY wi ions 1, 4, and 6. Diatoms in this core
						z					Co	X			Minor lithology: A distinct interval of very dark gray (5Y	
										-	$\sum_{i=1}^{i}$	X		*	2. 75-79 cm.	
									2	l i		××		*	SMEAR SLIDE SUMMARY (%): 2, 50 2, 75 6, 75	
								1.50			0	X			D M D	
							9.6	×CaCO3=1. ×TOC=1.	_		¢,[	×			TEXTURE:	
		1					0.59	•×c			0	××			Sand 1 2	
										1	0	×			Clay 70 25 85	
									3		1	×			COMPOSITION: Biotite — Tr —	
										-	0	X			Biotite — Tr — Clay 55 25 85 Diatoms 25 3 5	
						z	.8				<u>.</u>	×			Dolomite 1	
							0-61					X			Fish Tr — — Foraminifers Tr Tr —	
L SH						z						××	1		Glass 2 2 Tr Glauconite Tr — —	
PLIDGENE			0						4	3		×			Opaques 2 - 2 Pyrite - 10 -	
7												××			Quartz 5 60 5 Spicules 10 Tr 3	
												×				
									F		<u></u>	×				
						Z						×				
								3.40	5			××				
								XCaCO3-3.		-		Ŷ				
												1		00		
						z		. 90	-			×	1	-		
								• × CaCO3=1				××	ľ			
								×0	6			x	1.	*		
								40	5	E.		×××	1.1.1.1			
							0=1.79 0-57.0	CaCO3=1				×				
							• 0=1-	xca	-			X				
							2010	•				××				
						z	3=2		7	1		×				
	5		5				XCacO3=2	•				××				
	R/M	0	R/M	α	0		S-	-				X				



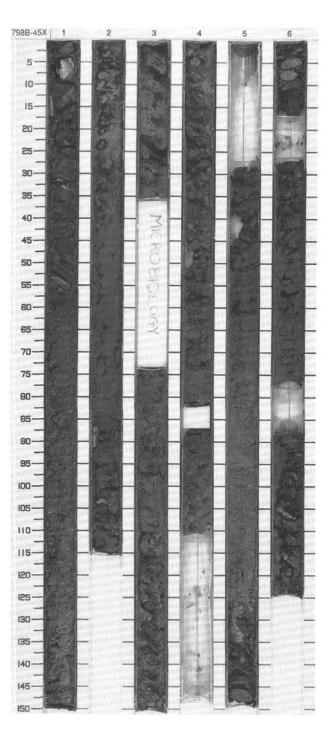
5		SSIL		RAC	TER		00							
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							\$=69.7 \$=1.54		1	0.5				Moderate to severe drilling disturbance, formation of biscuits with moderate tracturing. CLAY and CLAY with DIATOMS Major lithology: This core contains dark gray (5Y 4/1) CLAY and CLAY with DIATOMS. The sediment is rather homogeneous in most of this core but is slightly bioturbated in Section 4. It may contain up to about 5% neoformed objointe crystals. Diatoms in this core are poorly preserved and show distinct dissolution features; some diagenetic silica may have formed in the sediment.
				koizumii			P.1.77	<ul> <li>%CaCO₃=3.40</li> <li>%T0C=1.05</li> </ul>	2		× × × × > > > > > > > > > > > > > > > >		*	Minor lithology: A thin layer of olive gray (5Y 5/2) SILTY CLAY with VOLCANIC GLASS is present in Section 2, 58 cm. SMEAR SLIDE SUMMARY (%): 2, 56 3, 133 4, 94 M D D TEXTURE: Sand
PLIOCENE			c	kamtschatica - Neodenticula	Distephanus jimlingii		● = = = 0.6 = = 1.75	● %CaCO ₃₌₀ .80 %TOC=0.76	3		$\sim \times		*	Sift     30     20     18       Clay     70     80     80       COMPOSITION:
	B	B	W	F/P Neodenticula	R/M	æ	• \$ = 66.8 • \$ = 1.77 • \$ = 1.84	<ul> <li>XCaCO₃=2.00</li> <li>XTOC=1.37</li> </ul>	5 6 CC					



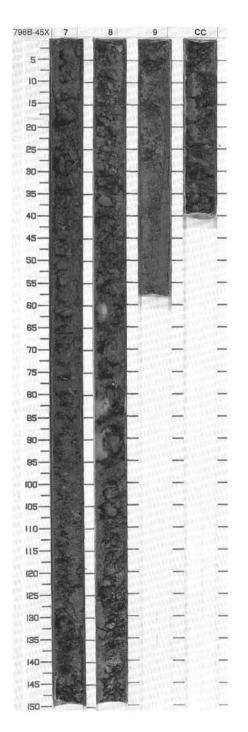
-		STRA	CHA	RAC	TER		50														
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS		APHIC HOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LIT	HOLOGIC	DESCRI	PTION	
										-	\$		××	1	*	Severe drilling disturbance					
							. 4C.			0.5	30		XXXX	1		CLAY with DIATOMS to					
						z	71 04	03=1.10 0C=0.51	1	1.0	999999		×××××××	****	*	Section 1 through Section CEOUS CLAYEY MIXED with DIATOMS and SPID DIATOMACEOUS CLAY the core, and intervals in burrows ( <i>Planolites</i> ?). Dia	n 2, 50 cm SEDIME ULES. Th and CLA Section 1 atoms and	i, is main NT with in e rest of Y with DI/ through 3 I silicoflag	y dark gri regular a the core i ATOMS. S Section 2 gellates an	eenish gr reas of gr s mainly o Sediment , 50 cm ir	eenish gray (5BG 5/1) CLAY dark greenish gray (5GY 4/1) s are bioturbated throughout
						ж	• \$=0	.40 • ×CaC	2				×××	1	*	(with void 80-123 cm). The the middle part is silt-size light gray (5Y 7/1). The u	ant graded te base co ed and lam ppermost clays. Sma	d VOLCA insists of inated, w interval ( all burrow	NIC ASH brownish hereas th 50-58 cm s extend	gray coa le upper ( ) is biotur into the b	resent in Section 2, 50-136 cr rse, sandsized volcanic glass part is very fine-graded and bated and mixed with the ioturbated ash layer as far im (oxidation?).
								%CaCO3=0.		-	27-	- 11 V 1	~			SMEAR SLIDE SUMMAR		ions ban		Ara June 1	(ondation).
							1 100	%CaC		-	XE		Xoc				1.6	1, 93	2,62	2,80	6, 64
	ł									-			0 000 0			TEXTURE:	D	D	м	м	D
									3	-			××	1		Sand Silt	45	20	40 55	40 40	30
										-	1		Ŷ	1		Clay COMPOSITION:	55	80	5	20	70
											oF:		X			Biotite	-	-	-	Tr	_
					iimlingii					-	OF		×	1		Clay Diatoms	50 30	65 15	- Tr	15 3	65 15
NE					i mI					3						Dolomite Feldspar	 	=	3	2	1
PLIOCENE			~	~	1.20				4							Fish Glass Opaques	2		95 	77	Tr 
Ы					nend					1						Quartz Spicules	5 10	5 10	2 Tr	2	10 5
					Distephanus					-											
					0					1											
									5	11	≎E		000000	1							
													000	1							
										1			X	1							
							000						XX	1							
							● 0=64.50			1			XX	1							
						z	•		6	E			X	1	*						
										1	~		××	1							
								1.20													
							6,0	. XCaCO3=		-	9		X	1							
							• 0=57.9		Ĭ	-	ci -		I\$	1							
						z	100		7	1	0		X	1							
											0		X	1							
			5		5				H	-	Q		XXXXXXXXXXXXX	i							
	8	B	R/M	R/P	R/M	1	1		CC		C [		IV	1	1						



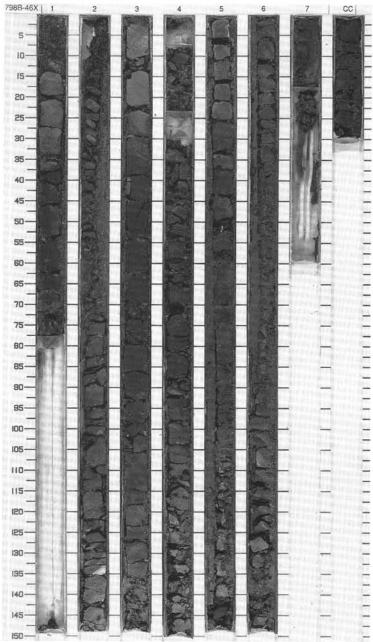
UNIT		STR			TER		Sa						65		
TIME-ROCK UI	FORAMINIFERS	NANNOF OSSIL 8	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z		- 6/	1	0.5		XXXXX			Extensive drilling disturbance. CLAY and CLAY with DIATOMS Major tibhology: Dark gray (5Y 4/1) and gray (5Y 5/1) CLAY is present in this core from Section 3, 73 cm through the core catcher. Dark gray (5Y 4/1) CLAY with DIATOMS occurs from Section 1 through Section 3, 35 cm. Siliceous microfossis are poorly preserved in the core, and the biosiliceous component is probably underestimated. Opai-CT was identified b X-ray diffraction in Core 128-798B-48X, and some of the material identified as clay in smea sides may actually be diagenetic silica.
				koizumii					2			XXXXXXX		*	Minor lithology: Several VOLCANIC ASH layers occur in this core. One prominent layer in Section 5, 91-127 cm is light gray (5Y 6/1), coarse sand size, and rhyolitic to dacitic in composition. Another thinner layer in Section 8, 96-100 cm, is dark gray (5Y 4/1). SMEAR SLIDE SUMMARY (%):           2, 80         4, 65         5, 122           D         D         M
ENE				- Neodenticula	iimlinaii	1		• %CaCO3=0.70	3			××		MB i W	Sand         5         2         65           Silt         20         8         35           Clay         75         90            COMPOSITION:         Clay         75         87         Tr           Diatoms         10         5             Polytomite          Tr             Polytomite          Tr
PLIUCENE			2	icula kamtschatica	Distephanus				4			XXXXX X		*	Glass     3     2     96       Pyrite     2     2        Quartz     2     2     2       Slicoflageliates     1     Tr        Spicules     5     2     Tr
				Neodenticula					5		и ^с — и и <u>– «</u> и и – и – « « « и – « – « « « и – и м – и	XXXX XX		*	
	B	•	R/M	C/M	R/M			• %CaCO3=1.70	6			XXX XX		og	(cont.)



			T. I	RAC	TER		s					38	s		
- and the second	L'UNAMINITERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
							\$=65.3 }	%CaCO3=1.10	7	0.5-		XXXXXXXXXXX			(cont.)
									8	a second second second	<u>A An A' 41</u>	XXXX XXXX XXX			
a		B	R/M	C/M	R/M				9 CC			2			



-		SSIL	AT. CH	ZON		-							1				bsl; 4				
TIME-ROCK UNI	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB.		SAMPLES		LIT	HOLOGIC	DESCRI	PTION			
							• \$=65.9		1	0.5	1XX/V		*	Severe drilling disturbance CLAY and CLAY with DIA Major lithology: This core VOLCANIC GLASS, and i DIATOMS. The sediment dissolved and fragmented core. Opal-CT was identifi material identified as clay	Contains in Section is highly I I, and the ied by X-r in smear	and from bioturbatic biosiliced ray diffract slides mi	om Sectio ed, with C bus comp tion in Co ay actual!	in 6 throu chondrite onent is pre128-7 y be diag	ugh the co s burrows probably 988- 48X enetic sil	ore catch Diatom underest , and sor ica.	er CLAY with s are highly imated in the ne of the
				koizumii		z	\$=62.2		2		~~~~~~	******		Minor Ithology: Some PUI layers are present in Sect SMEAR SLIDE SUMMAR TEXTURE: Sand Sait Clay	ion 4, 9-2	gments a 10 cm and 3, 38 D Tr 30 70	3, 145 M 10 60 30	ed in Sec 5, 136 cr 4, 10 M 10 60 30	tion 3 an n. 4, 18 M 50 45 5	5, 29 D Tr 15 85	6, 136 M 20 40 40
PLIOCENE			2	a - Neodenticula	is jimlingii	N	• 9=63.6	• *CaCO3=0.80 *TOC=1.01	3		///////////////////////////////////////	**********	*	COMPOSITION: Biotite Clay Diatoms Feldspar Foraminifers Glass Inorganic calcite	10 2   Tr 30	- 60 10 15	5 1 90	Tr 15 2 75	5 	85 	40 Tr 10 
PLIO				la kamtschatica	Distephanus	Z	• 0=63.3	36	4		× >>>>>	****	*	Opaques Pyrite Quartz Radiolarians Spicules	Tr 3 2	- 2 Tr 10	$\frac{1}{\frac{3}{Tr}}$	$\frac{5}{3}$ Tr		2 2	5 6 Tr Tr
				Neodenticula		Z		• XCaCO3=0.	5		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	********	*								
			R/M	F/P	R/M	N	• \$=61.5 \$=1.86		6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	********	*								



	NANNOFOSSIL CHA	DIATOMS DIATOMS	LATES/EBRIDIANS PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES SAMPLES		THOLOG	C DESCR	IPTION			7988-47X 1 5 10 15	2	3	
			N I XTOČ=1.42 J	D=62.1 0-64.1	×10Č=1.90	0.5-	-	1.1.1.1 (F. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	* oA	CLAY and SILICEOUS CLAY Major lithology: Olive gray (5Y 4// with SPICULES and CLAY with C more abundant in Sections 2 and However, diatoms in this core are nent is probably generally under diffraction in Core 128-7398-48X may actually be diagenetic silica. the core catcher. Sagartes are n 35, and 100 cm; Section 3, 35, 75 Minor lithology: A vitric VOLCANI	DIATOMS 5, where a highly c astimated , and sor Bioturba noticeable 5, 120, 1	The reco the sedimissolved an in the correct of the metor the metor tion is obsise in Section 40 cm; and	gnizable ent beco ind fragme a Opal-C iaterial, ic erved thro 1, 15, 30 Section	biogenic mes a SI inted, an T was ide lentified a bughout 1 0, and 10 7, 60, 72	siliceous component is LICEOUS CLAY, d the biosilica compo- antified by X-ray as clay in smear slides Sections 6 to 8 and in 0 cm; Section 2, 25, 120, and 125 cm.	20			
				%CaCOm R	x10C=1.47				*	pods are present in Sections 4 ar SMEAR SLIDE SUMMARY (%): 1, 30 M	nd 5.		4, 40 D	5, 30 M	8, 10 D	45 50			
		sula koizumii	z	●\$=64.3 \$=1.65	3					TEXTURE: Sand 5 Silt 50 Clay 45 COMPOSITION: Calcite - Clay 50 Diatoms Tr	2 78 20 	 25 75 1 65 5	40 60			55 60 65 70			
PLIOCENE	2	1.1.1.2	N	666.4 5=1.65 %CaC0=1	• ×10C=1.28					Feldspar — Foraminiters — Glass 40 Narnofossils — Pyrite 3 Quartz 5 Radiolarians — Slicotlagellates — Spicules Tr	2 90 2 4 Tr Tr	2     3 5 2 3 10	5 8 Tr 5 8 Tr Tr 10			75— 80— 85— 90— 90—		No. No.	
		Neodenticula kamtschatica	N	● =1.67	5				*							85			
		,	Z	Ø=66.8 Ø=1.59 Ø=66.8	*10C+1.59			······································	* * * * * * *							120 — 125 — 130 — 135 — 140 —		Design and	
	B R/M	F/P	R/M N	06.0°	• *100-0.64				*****							145 — — 150 —			

SITE 798

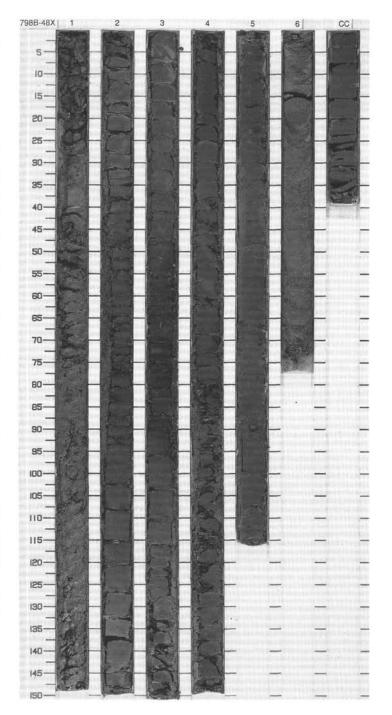
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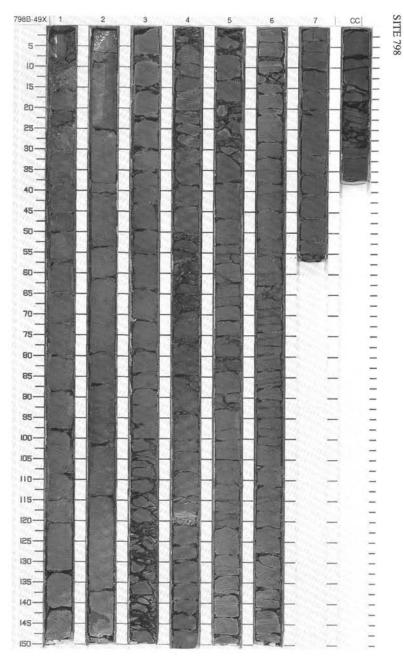
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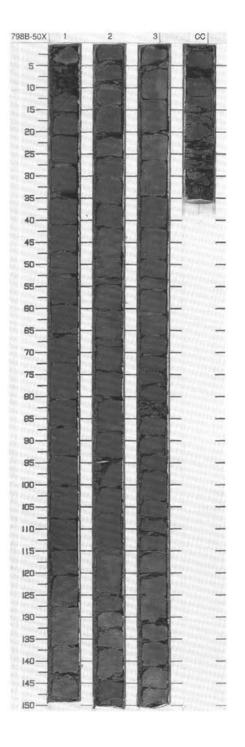
TE	810	798	AT.	ZONE	TER		8	Γ	CO	RE 48X C			Γ		mbsl; 450.4-460.1 mbsf
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTUR	SED. STRUCTURES	SAMPLES	LITHOLO	OGIC DESCRIPTION
						z	• 0=61.6 0=57.4	• *CaCO3=0.80 *TOC=1.59	1	0.5				Major lithology: This core contains firm ( or SILICEOUS CLAYSTONE throughou (5Y 5/1) SILTY CLAY. In Section 6.0.7 this core, some sediment contains reco- component is probably generally under analysis in Section 6.0 cm. Some of the actually be diagenetic silica. Sediments	formation of drilling biscuits. YSTONE. SILTY CLAY, and CLAY with DIATOMS gray to olive gray (SY 5/1-SY 4/2) SILICEOUS CLA') tections 2 to 5 and 7. Section 1, 0-150 cm, is gray 7 cm, is olive gray (SY 4.5/2) CLAY with DIATOMS. grizable diatoms and spicules, but the biosiliceous estimated. Opal-CT was identified by X-ray diffraction a material identified as clay in smear slides may are laminated and bioturbated in Sections 3 to 5.
						-		%CaC03=0.80 %T0C=1.42	2				*	SMEAR SLIDE SUMMARY (%): 2,118 6, D D TEXTURE: Sand 2 2 Silt 15 10	D
						z	• 0.0 P_1 78	20	3			***		Clay         83         88           COMPOSITION:         Clay         57         88           Datomis         15            Dolomite         Tr            Quartz         5         2           Quartz         5         Spicules         20	3 75 15 
						æ		*CaCO3+1	4			****			
				2		æ	0-55.7 D-1 85	×CaCO32.10	1 C C			122 22 22			
								%CaCO3=1.30	6				*		
		8		R/P	в	N2			cc		N	1			



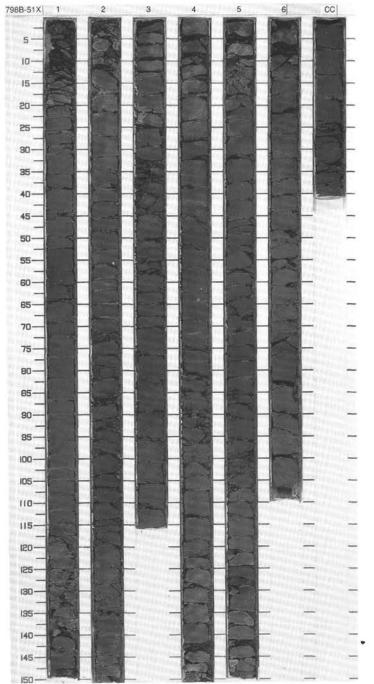
LINO		STR	CHAT.		TER		5								ERVAL 1360.1-1369.3 mbsl: 460.1-469.7 mbsf
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURD.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						z	\$ 57.2 \$ 1.83		1	0.5			****	*	CLAY with DIATOMS and SILICEOUS CLAY or SILICEOUS CLAYSTONE Major lithology: This core contains indurated dark gray to olive gray (5Y 4/1-5Y 4/2) CLAY with DIATOMS and SLICEOUS CLAY or SILICEOUS CLAYSTONE. The sediment is bioturbated and shows some structural features, including dewatering(?) veins in Section 2; small normal fault in Section 7, 2 cm, and incipient fissitify in several biccuts. In this core, some sediment contains recognizable fragments of diatoms and spicules, but the biosiliceou component is probably generally underestimated. As shown by X ray diffraction analysis, the clay size component contains diagenetic silica precipitated as copal-CT, and some of the material identified as clay in smear slides may actually be diagenetic silica.
										-	0	1	1		Minor lithology: A light olive gray (5Y 6/2) VOLCANIC ASH layer with clay occurs in Section 4, 118-122 cm and a thinner one just above it at 115 cm.
						1		3=1.30	2	1		1	11		SMEAR SLIDE SUMMARY (%):
							-1.76	%CaCO3				1	ï		1,46 1,76 4,87 4,120 5,110 D D D M D TEXTURE:
						z		•			0		×		Sand 2 1 - 5 -
										5	0	4	1		Sit         40         20         15         30         20           Clay         58         79         85         65         80
							0.60.2 P.1.79		_	4	0	I			COMPOSITION: Clay 50 67 80 47 70
						N2	•		3		0		1		Diatoms 30 20 5 - 10 Dolomite - Tr
												××	2		Feldspar — Tr — Tr — Glass 5 1 5 52 5 Mica — 1 —
					1						a	X	Ċ		Opaques – 2 1 – 2 Ouartz 5 5 5 Tr 10
								-0.59		1	d	11			Spicules 10 5 4 Tr 1
				~		Ł	63.0	• %CaCO3	4		1	1		*	
						N2	90	•			A. 8'24	1	1	*	
									-			1	1		
							*51.9 1.97			-		1			
						CN 2	04		5			1	0		
												1			
										-		1	1		
								.70		1			11		
							2.4	XCaC0-1 XTOC-0	6			1-	"		
						CN S	•0=5	•			/				
							-53.3	3-1.30				1-	11-		
						z	5-6	%CaCO3	7			1	1		
	в	8	8	R/P	8			•	сс	-		5	1		



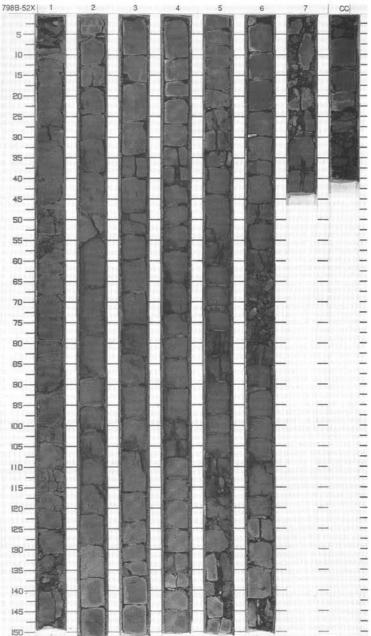
	STR		RAC	TER		ŝ				88.	60				
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIAMS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC DESCRIPTION
					z	\$=53.5		1				*	rated sediment interpro CEOUS CLAYSTONE in the sediment. This is and some Sagarites for likely to be water-esca 88cm.	ore consists n eted as CLAY by X-ray diffr ndurated sedi issil remnants pe structures	nainly of dark gray (5Y 4/1) or olive gray (5Y 4/2) indu- (STONE by smearslide analysis but shown to be SILI- raction analysis which indicates that opal-CT has forme iment shows extensive bioturbation in Section 2, 0-20 c in Sections 1 and 3 and core catcher. A lew dark veils , are present in Section 1, 41-47 cm, and Section 2, 80-
								1			11		SMEAR SLIDE SUMM	194	2022
							.70				1			2, 116 M	3, 39. D
						0.4	• %CaCO3=0.	2		1	i		TEXTURE:		
						59	STG			-	11		Sand	10	
						-	×			4	17	1.	Silt	10	25
				1	Z	•	•			5) - I	1		Clay	80	75
						• 0=50.8		1		1	91		COMPOSITION:		
			(			2			34444	•	bi		Calcite/Dolomite	-	5
					R3		1				91	1.4	Clay	88	70
			l		14					1	11	*	Fish	-	Tr
						1		3			1	1	Glass		1
				1	1	1.3	30.10	-	] ≜ ≜ ≜ ≜	-	b	1	Opaques	2	2
					1		1				71	1	Quartz	10	20
							%CaC03=1 %T0C=1				0.000		Spicules	Tr	÷.
							• × C				91				
m	m	B	m	m		1		cc		1	6				



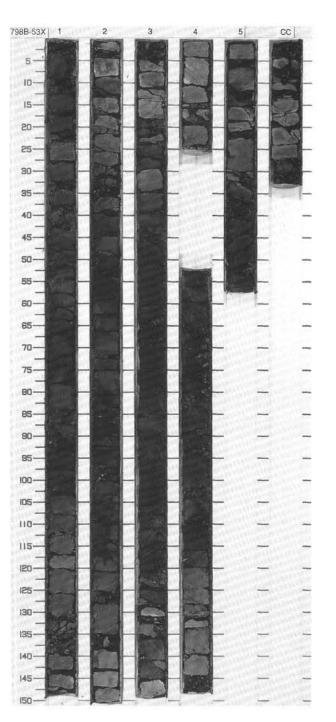
	BIO	STRA	CHA	RACI	TER		sa						s		
NO YOOU - JWIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
1	u.	z	α	0	6.1	u.		Ŭ				1	1		SILICEOUS CLAYSTONE
						Z	\$=51.2•		1	0.5			* * *		Major lithology: This core consists of olive gray to dark gray (5Y 4/2-5Y 4/1) SILICEOUS CLAYSTONE. Note that smear slides show mainly clay, but X-ray diffraction analysis confirms that opai-CT is generally present in these sediments. The core is extensively bioturbated, with burrows probably of <i>Teichichnus</i> type present in Section 4, 30 cm, Sec 6, 100-105 cm, and core catcher, 5 cm.
							01			Ę		÷	A		Minor lithology: Coarse sand layers, reworked by bioturbation, occur in Section 2, 140-1 cm, and Section 4, 39-47 cm.
							\$=50.3			1		i	1		SMEAR SLIDE SUMMARY (%):
						Z	•			-	*****	1	1		4,45 CC.36 M D
									2			1	1		TEXTURE
										-			1		Sand 40 Silt 40 20
										1		1	It.		Clay 20 80 COMPOSITION:
										3			1		Clay 15 78
					1		0.9	.30		1		1		1	Dolomite Tr 5 Feldspar 7 Tr
							10-	ha	3	4	*****	1	1		Glass Tr —
						z	•	0.0		-		1	1		Glauconite 1 2 Mica Tr -
								50		-					Opaques 15 5
								XCaCO3-1 X10C-1		-					Pyrite 2 Quartz 60 10
								•		-	*****	1	1		
								1.70		3			1	*	8
							4.2	×100-1.7	4	3		1			
							0-0	XC		1		1			
						Z	•	•		3	*****	1			
				ł			• 0=54.3			-			H	{	
						z	•					-			
								XCaCO3=1.80 XTOC=1.46			*****	1 i			
								503	5		* * * * *	li			
								XCa		-		11	18	1	
						1		1		1			1"		
								00	÷				1		
								2.3							
							0.0	×CaC03=2.30	2	-			1		
						22	0-0	XC	6	-		1 i	11		
						Z		•		1			1	L	
										1				00	
										-		+		1.0	-
	B	B	B	1	m	1			cc	-		-	- 6		



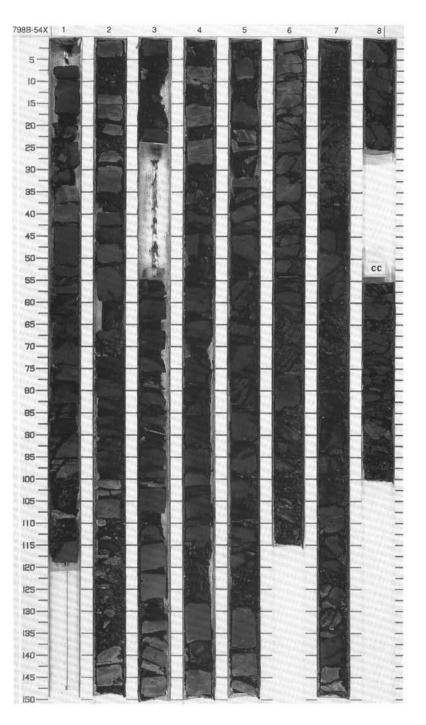
		CH		CTER		60										
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY 22 14 14 14 14 14 14 14 14 14 14 14 14 14	X X DRILLING DISTURB	SED. STRUCTURES			LITH	OLOGIC	DESCRIPTION
					z	0.48.3 0.1 80	%CaCO3=1.70 %T0C=0.90	1	0.5			*	(5Y 3/2), structureless to slip Section 1, sediments contai at 24-30, 44-55, 75-93, and size, with an average 0.2-0. bioturbating organisms distr	ane dom ghtly bio n GLAU 134-135 8 mm di ibuted th	inated by iturbated ICONITE- 3 cm. The ameter, a he glauco	with GLAUCONITE dark greenish gray (5Y 3/2) to dark olive gray SILTY CLAY and SILICEOUS CLAYSTONE. In rich intervals, which are particularly conspicuous glauconite particles are well-rounded, sand- ind are probably allochthonous. Burrowing and nite particles into surrounding sediments. o common throughout the core.
					z	•0=20.9					****			(%): 1, 28 D	2, 132 D	6, 27 D
								2		Li.	1		Silt	10 50 40		
						000				18			Diatoms	47 8	75 5	90 Tr
					N	• 0-52.8		3					Glass Glauconite Opaques Quartz	5 15 3 20 2	5 5 3 5 Tr	2 Tr 2 5 Tr
							3=2.00			11	1			~		
					z	•0=53.1	• XCaCO ₃ =2.00 XT0C=2.65	4			1					
											1	1				
					z	• 0=55.8	1000	5			Ĩ					
						-53.6	• XCaCO3=1.00 XTOC-3.33				ł	*				
					z	•	•	6								
										1-12	1					
8	8	B	6	8				7 CC		1.1	1					



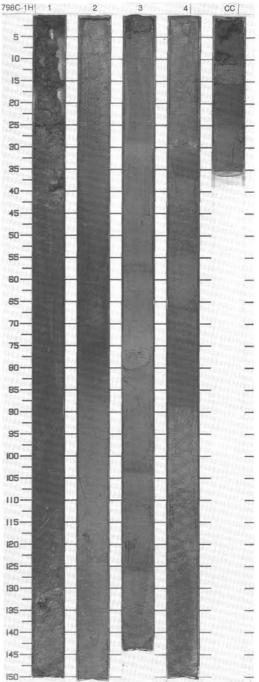
			CHA	RAC	TER		00										
A THE CHARGE CONTRACTOR OF THE PARTY OF THE	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	L	LITH	OLOGIC DESCRIPTION
								.30			*****	~~~~~	11		Moderate to severe drilling distu	urbani	Ce
								20		0.5-	* * * * *	13			SILICEOUS CLAYSTONE AND	SILT	TY CLAYSTONE
							• \$=51.7	%CaCO3-3. %TOC-2.	1	1.0			1 100		dark gray (5Y3/2) to olive gray ( interlayered sequences 5 to 15 c	(5Y 4/ cm th units	ad mainly of SILICEOUS CLAYSTONE. The rocks a (2): Characteristic structures for this core include hick of thickly to thinly laminated beds and 50 to 120 s. A water escape structure is present in Section 2,
		- 1							-				F		Contra Contra		
										1		1			1, 5 D		3.12 M
										4	* * * * *	1			TEXTURE		<u>m</u>
									2	1		1			Sand 1		1
1		5.1						50	2			L			Silt 29		7
							0.1	99		1	* * * * *	1			Clay 70		92
	e	e					6-5	x cacos		-		L	RYA		COMPOSITION:		
	sample	sample					-	×		-		1	=		Clay 65		90
	sal	sa				z		•				1	-	*	Diatoms B		
								30				T.	***		Dolomite 3		It
	20	ĉ		1.5				XCaCO3=0.20 XT0C=0.31		1.2		1			Glass 5 Mica -		Tr
								Su	3	1 1		1	-		Opaques 4		-
								P I		1 3		1	1		Quartz 15		10
- 1								Χŋ		1 4		1			Spicules Tr		
		1							10	1 8		1	1		le l		
								40		8		1	Ľ.				
								94			* * * * *	11					
								So		1 3							
-1								%CaCO3-0.40 %TOC-4.13		1 3		1	1.1		0		
1							1 C C C			1.4		1.		MB	-		
- (	- 1					13	1.6	8	4	1 2		3					
							2.0	320		6		13	11				
4		3.3						00		- 4		13	11				
								δų				13	"				
							0.8	B.F.				15					
							50.2	×	-	-		15	F				
												15	1				
-1		1							5			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	11				
										1.65		13	È				
									cc			X	T	1			
		11	Ξ	B	8				200	1 3		1	15				



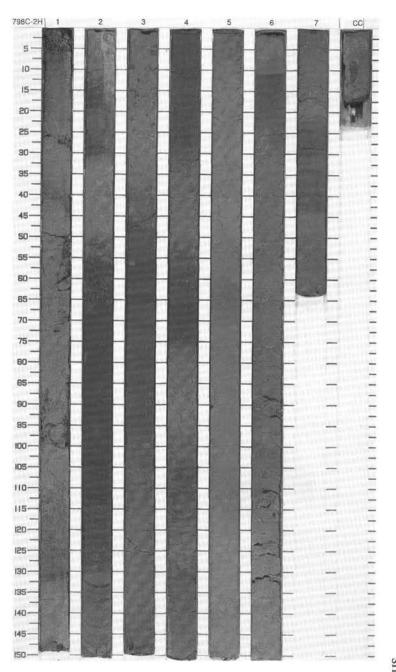
BIO FOS	STR	CHA						Π					Γ	
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	PHIC	ORILLING DISTURD	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
					z	\$-50.0 \$-1.79	x10C-4,10	1			44444		•	SILICEOUS CLAYSTONE Major Itihotogy. Olive gray to dark olive gray (5Y 4/2, 5Y 3/2), commonly fissile SILICEOUS CLAYSTONE. Numerous lammated sequences are encountered in Sections 1 to 5. Behut ion features are common in Section 1, conspicuous in Section 4, 60-105 cm, but not visible elsewhere. Compaction (do to local lissib), and some apparent laminations may actually represent flattened burrows. A normal microfault, pre-existent but opened by drilling distur- bance, is present in Section 5, 80 cm. SMEAR 5(LOE SUMMARY (%).
						.1.84					44-	1		1.54 2.122 4.25 7.45 CC.19 D M D D D
					2	•	XCaC03-0.80	2			4			Sand — 1 2 — Silt 5 10 5 4 10 Clay 95 90 94 94 90 COMPOSITION
							×.				444	-		Clay 88 79 84 84 90
						• \$ 51.0		з						Pouguait         2         -         -         2           Glass         10         Tr         5         -         2           Micronobule         -         1         -         -         2           Opaques         -         -         9         9         3           Phosphate         -         -         2         2         -           Quartz         -         20         -         5         2
					z	•					!			
						• 0.49.3	00-4-90	4			<	8		
					z	-8-40	• ×C3					1		
					z	• \$-19.0		5			5			
											15	-		
							XC3C0-1.70	6			~~~~~	-	00	
											1.2		•	
							• XCaCO_22.70	7			3			
80	8	8	8	B			*Ca	8 CC			1			



			CHA				60															
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LI	THOLOGIC	DESCRI	PTION			
	-	1				z				1	1222	www.			DIATOMACEOUS SILT	Y CLAY	and CLAY					
							● 85.4 ● 1.26	<ul> <li>%CaCO₃₌₅.80</li> <li>%TOC=1.15</li> </ul>	1	0 1 0 1		S			Major lithology: Dark ol ERS and greenish gray Bioturbation is commor mottling largely obscure are superimposed on a light. massive and clay- and core catcher. Boun cores, bedding rhythms	to dark g througho is a prima massive i rich bedd daries bet	reenish gra tut clay-rich ry weakly l and clay-ric ing couplet ween bedo	y (5Y 5/1, a intervals aminated th sedime s (rhythms ded units a	5Y 4/1) ( in the co fabric, wh nt. Dark l i) are we	CLAY wi re; in so hereas in aminated Il-develop	th DIATO me areas other and biogeni ped in Se	MS. , burrow eas burrows c versus ctions 3, 4,
										-				*	Minor lithology: A prom in Section 3, 73-78 cm;	nent, 5 cr a 1 cm-th	n-thick and ick vitric as	normally sh layer ap	graded V pears in	ITRIC A	SH layer 4, 35-36	is present
			B	0	sn					1					SMEAR SLIDE SUMM	ARY (%):						
			ueis	seminae	octangulatus		\$=79.0		2	1 1				*		2.3 M	2.73 D	2.110 D	3, 125 D	4, 85 D	4, 95 D	4, 96 M
2		4 b	davisi	em	Bue		-							*	TENTIOR	no.	D	D	U	U	U	. 100
UUAIEKNAHY		CN1			ct;					Ŧ	1====		Ĩ		TEXTURE:							
Y I		2	P.J	in	1921		11		-	1	/FEE		-		Sand Silt	Tr 50	5 30	1	10 30	2	15 24	3
		s	40	10	ns					7					Clay	50	65	80	60	23 75	61	32 65
		CN1	Cycladophor	Neodenticula	Distephanus					E	(E===				COMPOSITION:							
		0	e/a	00	ep		p=78.3		3	1	~ <u>F</u> ===											
			ã	Š	S		-18	.48	5.5	1	1		1		Amphibole Calcite	Tr	-		_	-	_	3
					0		90	XCaCO3-4		1	<b>TT</b>		1		Clay		65	78	60	74	60	65
1								100	63	1	1		.1.	*	Diatoms Fish	1	20	10	10	15	10	10
								X C	Ç. 1	F	1			w	Foraminifers	1	5	Tr	15	5	20	5
								•		1	2				Glass	70	Tr		-	Tr	Tr	Tr
- 1		[ ]]						0.0	1.1	1					Mica Nannofossils	Tr	Ξ	-	3		100	10
								6-		1			3.		Opaques	$\sim - 2$	2	1	1	1	1	1
							0,01	XCaCO3-9	4		_		8.		Pyrite	3	-	1	-	-		-
							1.1	N L R		1			_	*	Quartz Radiolarians	20 2	5	10	10	5	7	15
	1.1				8-6		-		2.3	1	1			**	Silicoflagellates	-	Tr	-		-		
						d.,	12	1.00							Spicules	3	2	Tr	Tr	-	Tr	Tr
		-	5	5	~	z					11		,		SMEAR SLIDE SUMM	RY (%):						
	A/G	C/M	R/M	C/M	R/M		11		сс	1	~		1	*		CC.	18					
	~	ľ	"	~	μ.					-		1	"	-	TEXTURE:	D						
															Sand Silt	1 15						
					1.1										Clay	84						
															COMPOSITION							
															Clay	55						
															Diatoms	20						
															Dolomite	3						
															Foraminifers Nannofossils	5 10						
															Quartz	2						
					1.1										Silicoflagellates	3						
	1.1	1			N 11		1.1	. 1							Spicules	2						

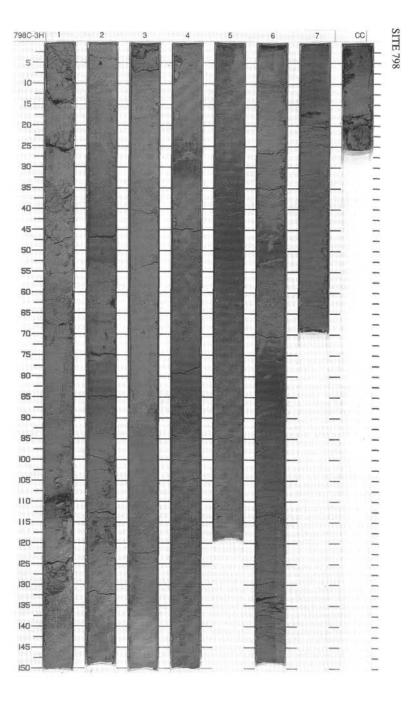


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TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS		LATES/EBRIDIANS	PALEOMAGNETICS	PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	٨	LIT	10L0GIC	DESCRI	PTION			
						z					*D===	Ť	Ø		CLAY and DIATOMACE	ous ooz	E					
								03=17.8 0C=1.70	1	0.5	(1)		an m	*	Major lithology: Section 1 olive gray (5Y 4/2) CLAY DIATOMS and FORAMII thinly laminated DIATOM Rhythmic bedding cycles and clay-poor sediments in addition, an upward de	with DIAT NIFERS. S IACEOUS between I are well de of Section	OMS and ection 7, OOZE wi ight, clay eveloped 2, 70-130	d SILT, C 13-61 cm th FORA -rich and in Sectio 0 cm, a d	LAY with consists MINIFER biogenic ons 2 and ark-light r	DIATOM of green S and N -poor, an 3. In lam hythmic l	IS, and Cl lish gray ( ANNOFO: d dark bio inated cal amination	LAY with 5BG 6/1 SSILS. ogenic-rid careous 1 is evide
							• \$=74.6	X TO			+G ===		11	**	Minor lithologies: a. Thin VITRIC ASH laye	re loce the	n t cm t	hick are	present is	Section	1.68.cm	and
								•		1				**	Section 7, 20 cm. b. A 3 cm large wood fra						1, 00 Cm	, 110
									2				***	*	<ul> <li>c. Small shell fragments</li> </ul>	are cluster	esent in ed in Sec	tion 5, 20	0 cm.	m.		
										1.3	VEE			*	SMEAR SLIDE SUMMA	RY (%):						
										1	Yest and the second sec		••••			1,56	2, 25	2, 28	2,63	2,97	2, 130	3, 80
							4.0				VEE			*	TEXTURE:	D	D	D	м	D	D	D
							● =76.4			1					Sand	Tr	2	ñ.,		1222	15	3
							•				0		111		Silt	35	30	15	5	45	45	15
1					1				3			83	_		Clay	65	68	84	95	55	40	82
														*	COMPOSITION:							
								00							Clay	49	39	53	75	45	16	75
			~					φŅ		1.1	0	÷ 1			Diatoms Fish	15	20 Tr	25	10 Tr	30	45 Tr	15
			davisina	seminae			0=75.6	×100	-						Foraminifers	1	10	2	Tr	Tr	15	Tr
4			1S	Lin			1-1	XC		- 3	X		11		Glass Nannofossils	15 Tr	5	-	2	8	3 Tr	Tr
			1av	sen				•			~		11		Opaques				_		з	57
			1.00	16.24					4	-	Se lesses	1	11	*	Pyrite Quartz	15	20	20	15	1 15	15	3
١I	. 1		20	5					1	1	交上	8.8	11		Radiolarians		-	-	-	-	Tr	<u> </u>
			40	1:0						1.12			"		Silicoflagellates	Tr	1	-	-	Tr	Tr	-
			Cycladophora	Neodenticula							Y 등 =		_		Spicules	2	2	Tr	Tr	3	1	5
1			cla	000			- 10			1					SMEAR SLIDE SUMMAI	RY (%):						
			ú	Š			76.				CYEE H		ø			4,68	6, 82					
							0-1-0						Ø			м	D					
										1.6	Yo EEE				TEXTURE:							
									5		C EEE	1			Sand	3	1111					
-1			1								~~===	1			Sand	3	20					
1			1		1			30		1					Clay	87	80					
							• 0=78.3	2-		1	RALE E	81	-		COMPOSITION:							
							8.3	100		_	CYLE H		1									
							1-1	XC	61	1 3	C				Clay Diatoms	1	50 20					
							•	•		1	~				Fish	-	Tr					
											1 MEEE				Foraminiters	Tr	-					
						1			6	1	VEEE				Glass	98 Tr	-					
											~ ====	ê .]		*	Mica Opaques	-	5					
											1 1 ====				Pyrite	1	-					
			6.5		2.7					1	VEEEE				Quartz Radiolarians	Tr	15					
							40								Silicoflagellates	Tr	5					
			1.1				•0=69.4			1					Spicules	Tr	5					
- 1	6.1					1	27		1	1.5	ドイズス	1										
- ļ	A/M	1 1	R/M	F/P	1	z	(Ger I	1 8	7		E1 12.2	1		2								

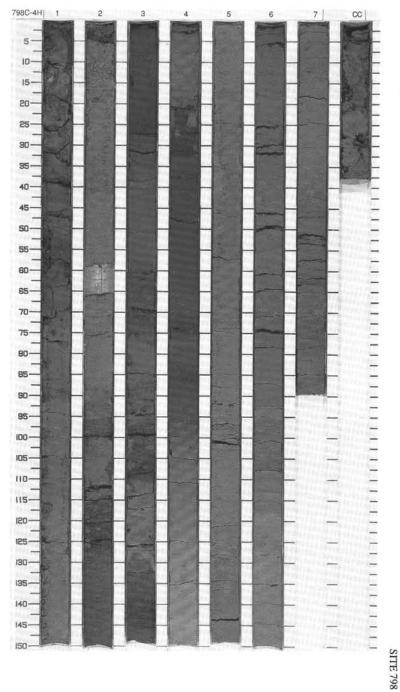


SITE 798

LIND		STRA		RAC	TER		ES				38.	59									
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHIC LITHOLOGY & U U W	DRILLING DISTURB	SED. STRUCTURES	SAMPLES		LITH	OLOGIC	DESCRI	PTION			
						Z	• \$=72.5		1	0.5		1	*	SILTY CLAY, DIATOMACI DIATOMACEOUS SILTY ( Major Ithology: This core of MIXED SEDIMENT, dark of Rhythmic interbeds of dar sediments are well develop	CLAY contains c plive gray k and lan	live gray (5Y 3/2) (	(5Y 4/2) CLAYEY	SILTY C DIATO	LAY, DIA	ATOMAC	EOUS CLAY
							74.8	%CaCO3=6.20 %TOC=3.22	2			1	*	Minor lithologies: a. PYRITE (up to 5% in Se b. WOOD FRAGMENTS a c. VITRIC ASH layers are 6, 53 cm. SMEAR SLIDE SUMMAR	re presen presen tir	t in Section	on 2, 112	cm	ection 3,	110 cm, a	and Secti
							1.94	*•	2		***	1		TEXTURE: Sand Silt	1, 10 D	1, 110 M 5 75	2.40 D	3. 4 D 30	3, 70 D	5, 48 D 5 60	6. 32 D
			eueis	nae	ulatus		• \$=66.0		3	5.05.05 2.05.05		8	*	Clay COMPOSITION: Clay Diatoms	60 45 10	20	60 35 40	35 42	70 55 5	35 25 40	60 50 15
		5 / CN14b	hora davisiana	icula seminae	us octangulatus			-0.70 -3.85				***		Feldspar Foraminifers Glass Nannolossils Opaques Plant Pyrite		1 	3 5 2		Tr 5 1	5 3 2	Tr 5 Tr 5
100	0	CN1	Cycladophor	Neodenticula	Distephanus		P=1.46	• × TOC	4			1		Ouartz Radiolarians Silicoflageflates Spicules	30 	2	10 	10 Tr Tr 10	20 	5 Tr Tr 20	10  10
							•0=78.6 P=1.60	<pre>%CaCO3=11.2 %TOC=2.85</pre>	5			2	*								
							• 0=71.5 P=1 54	30.	6			1	*								
	A/M	F/P	F/M	C/M	R/M	Z	• \$=72.9	%CaC03=3.	7												



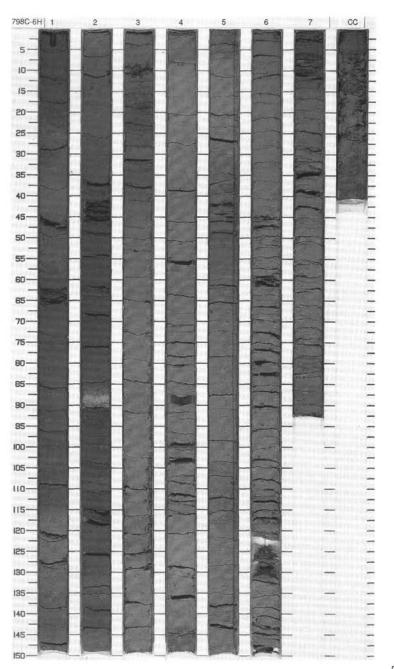
Е	BIO FO	SSIL	AT.	ZON	E/			Γ					Γ	
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Z		1	0.5				*	CLAYEY DIATOMACEOUS MIXED SEDIMENT, SILTY CLAY, DIATOMACEOUS CLAY, and DIATOM SILTY CLAY Major lithology: This core contains CLAYEY DIATOMACEOUS MIXED SEDIMENT with FO RAMINFERS and DIATOMS, DIATOMACEOUS CLAY with SPICULES, and DIATOMA- CEOUS SILTY CLAY. Color ranges from gray (5Y 61-5Y 51) to dark gray (5Y 41) and to olive gray (5Y 42), Clay-rich intervals are characterized by a cohesive texture. Rhythmic bedding is well developed in Sections 2 to 4. Bioturbated sediments are common and include <i>Chondrites and Planolites</i> . Extensively bioturbated intervals are clay rich: burrows commonly penetrate downward into laminated sediments and are infilled with light-colored clay-rich sediments, which closely resemble those of the overlying bioturbated layer. Minor lithologies: a. A normally graded VITRIC ASH layer is present in Section 2, 0-5 cm. Further vitric ash layers appear in Section 6, 97 cm and 107 cm, and vitric ash pods appear in Section 6, 44 cm.
								2	- den			111. F 8		b. Isolated GLAUCONITE and abundant PYRITE particles are observed in Section 3, 24 cm. SMEAR SLIDE SUMMARY (%);
QUATERNARY		CN15/ CN14b	Cycladophora davisiana	Neodenticula semine	Distephanus octangulatus			3		승승승 <u>수 수 수 수 수 수 수 수 수</u> 수 승승승승승 수 수 수 수 수 수 수		1	*	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	A/G	F/P	F/M	F/M	R/M	N		6 7 CC	the second se	\$5.\$5.\$5.\$5.\$5.\$5.\$5.\$5 1411111111111111111111111111111111111				



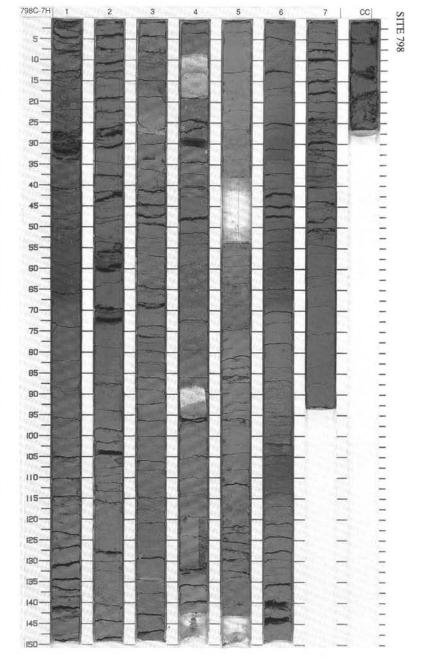
26	Ch	
6	51	
5	10	
	S	

	PHYS, PROPERTIES CHEMISTRY SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURS. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION	5-10-	
Z	0.3			SILTY CLAY and DIATOMACEOUS MIXED SEDIMENT Major limbiogy: This core contains dark gray to gray (5Y 41, 5Y 511) SILTY CLAY with DIATOMS, and DIATOMACEOUS MIXED SEDIMENT with SPICULES. Compositorial bedding mythms between day-rich and structureless sediments and biogenic-rich and liaminated sediments are common, especially in Sections 5 through 7. Burroweg (Chor- drites) is very common and generally dense in clay-rich sediments, and penetrales down- ward into liaminated sediments. Minor lithologies:		
	2		*	a. Greenins gray (5Y 42) NANNOFOSSEL CLAY with FORAMINIFERS, generally lami- nated, is present in Sections 7, 8 and core catcher b. VITRIC ASH layers appear in Section 6, 97 cm and 107 cm. SMEAR SLIDE SUMMARY (%): 2, 63 4, 66 7, 81 D D M TEXTURE:	30	
	3			Sand 5 - 1 Sit 30 60 9 Clay 65 40 90 COMPOSITION: Accessory mnerals 2 Clay 50 30 50	45	
rmann ICN14b ra davisiana curvirostris octangulatus	4		1 1	Diatoms         10         40         2           Dolomita         —         Tr         —           Foraminifers         —         Tr         S           Glass         10         Tr         2           Glasconitie         —         Tr         35           Opaques         —         4         2           Pyrite         1         —         —           Outz         20         15         2           Silcoflagelitets         1         —         —		
UDALETRAART CN15 /CN14b Cycladophora davi Rhizosolenia curvir Distephanus octang			1	Spicules 3 10 2	75 80 85	
0 0	5				80	
	6					
	7					
	8		*			
A/M C/P R/M R/M R/M N	8 CC		#			

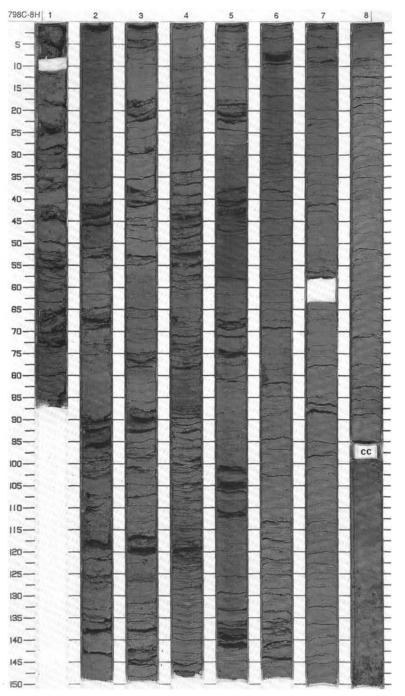
LIND			CHA	RAC	TER	00	ES		COF	RE 6H		88.	8		
TIME-ROCK U	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL - LATES/EBRIDIAN	PALEOMAGNETICS		CHEMISTRY	SECTION		APHIC IOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						Z		%T0C=3.99	1	لمنتقدية ۲ < < {يتقييقية	]		1		SILICEOUS OOZE, DIATOMACEOUS-CLAYEY MIXED SEDIMENT, CLAYEY-NANNO- FOSSIL OOZE, and DIATOM OOZE Major lithology: This core consists of dark olive gray (5Y 3/2) SILICEOUS OOZE with CLA and NANNOFOSSILS, greenish gray (5GY 5/1) DIATOMACEOUS CLAYEY MIXED SEDIMENT with FORAMINIFERS and DIATOMS, oive gray (5Y 5/2) CLAYEY NANNO- FOSSIL OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATO OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with FORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with MORAMINIFERS and DIATOMS, and dark olive gray (5Y 3/2) DIATOM OOZE with MORAMINIFERS and DIATOMS, and dark olive gray (5Y 5/2) DIATOM OOZE with PONGE SPICULES. Rityholive intervolution of the moraminifers, in some areas, small
									2	111111				*	pebble sized pods of nearly 100% foraminifers were observed. Minor lithology: VITRIC ASH LAYERS are observed in Section 1, 20 cm, Section 2, 87-90 cm, Section 3, 144 and 147 cm, Section 4, 143-149 cm, and Section 5, 0-6 cm. SMEAR SLIDE SUMMARY (%):
											~ ~		2		2,80 3,80 4,79 7,80 D D D D D
									3		\$\$ \$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		•	*	Sand          5         3           Silt         80         60         30         37           Clay         20         40         65         60           COMPOSITION:
		14D		curvirostris	octangulatus				-		+4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		•		Accessory minerals          1            Clay         20         30         30         22           Diatoms         55         30         20         25           Dolomite         Tr             Feldspar         Tr             Foraminifers          10         10         5
		CN15 / CN1		Rhizosolenia cur	Distephanus oct				4	10101010101010101010101010101010101010	+++++++++++++++++++++++++++++++++++++++			•	Glass          Tr             Namotosils         Tr         3         30         35           Opaques         3         4         1         1           Quartz         5         10         2         2           Spicules         15         10         6         10
				Rhiz	Dist			-	5				1		
									6						
									7		<u>5000000000000000000000000000000000000</u>		1	*	
	A/M	F/P	8	C/M	R/M	z			сс				T		



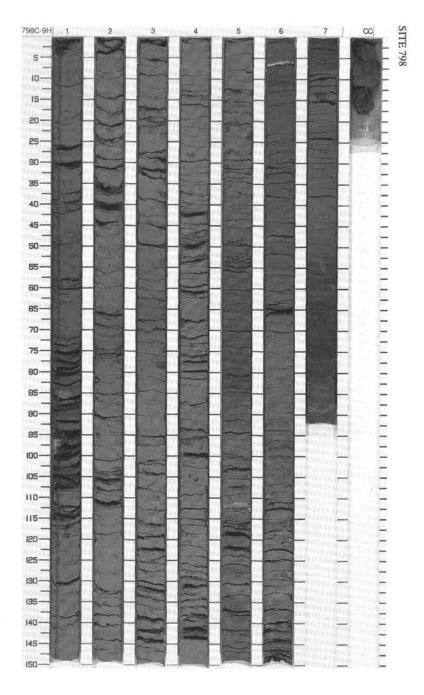
	SSI			ACT	ER			Sa							Т	ERVAL 952.8-962.4 mbsl: 52.7-62.3 mbsf
FORAMINIFERS	NANNOFOSSILS	DADIOI ADIANO		DIATOMS	SILICOFLAGEL- LATES/EBRIDIANS	PALEOMAGNETICS		PHYS. PROPERTIES	CHEMISTRY	SECTION	WETERS	GRAPHIC LITHOLOGY	DRILLING DISTURE	SED. STRUCTURES		LITHOLOGIC DESCRIPTION
						2	-			1	0.5			Tim inner	*	SILICEOUS CLAYEY MIXED SEDIMENT and CALCAREOUS SILICEOUS OOZE with SPICULITE Major lithology: This core contains SILICEOUS CLAYEY MIXED SEDIMENT and CAL- CAREOUS SILICEOUS OOZE with CLAY and SPICULES. The mixed sediment is olive gray (554 s/2) to gray (554 s/1) and greenible gray (56 s/1). The calcareous siliceous doze (mainly nannolossils and diatoms) is olive gray (57 5/2). These sediments occur in regular thythmic sequences, which are crudely laminated at the base, biolurbated in the middle, and homogeneous at the top. A gradual decrease in foraminifers toward the middle, biolurbated part may reflect normal grading.
										2	and and and and			**** ***		Minor lithologies: a. A layer of light olive gray (5Y 5/3) SPICULAR OOZE occurs in Section 3, 10-17 cm, with three pale yellow (5Y 7/3) laminae of nearly pure spiculite (about 90% spicules). b. This core contains also numerous VOLCANIC ASH layers, millimeters to10 cm thick, particularly in Sections 3 to 5. Thick layers have a sharp basal contact, show normal gradin and a gradational top contact. They are either white to gray (5Y 8/1-5Y 5/1) when acidic or dark gray (5Y 4/1-5Y 3/1) when basic. SMEAR SLIDE SUMMARY (%):
														***	*	1,60 1,90 3,13 3,60 D D M D
										3					*	TEXTURE: Sand 1 2 Sit 59 50 95 60 Clay 40 48 5 40 COMPOSITION:
									5	4				***		Clay         40         15         —         35           Diatoms         30         30         5         15           Dolomite         —         —         —         Tr           Feldspar         —         —         —         Tr           Foraminifers         10         5         —         3           Glass         3         2         —         —           Namofossiis         Tr         30         —         Tr           Opaques         2         2         —         2           Quartz         5         5         3         15           Silcoflagellates         —         —         5         —           Spicules         10         10         87         30
										5				1-11		
										6		000000			•	
F/P			K/M	C/M	R/M		z			7		00000000000000000000000000000000000000		25 25		

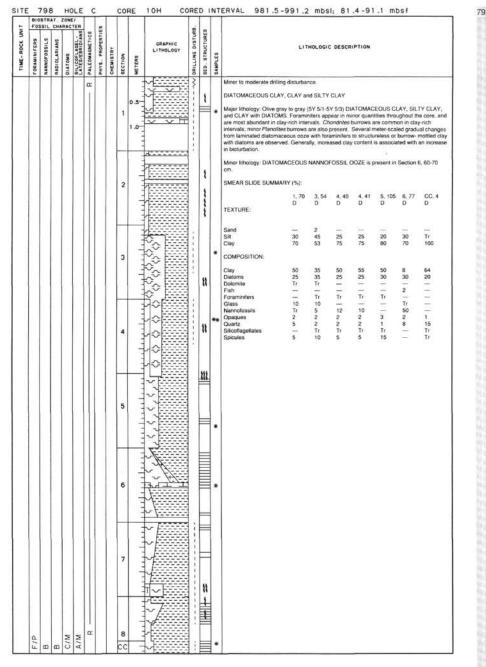


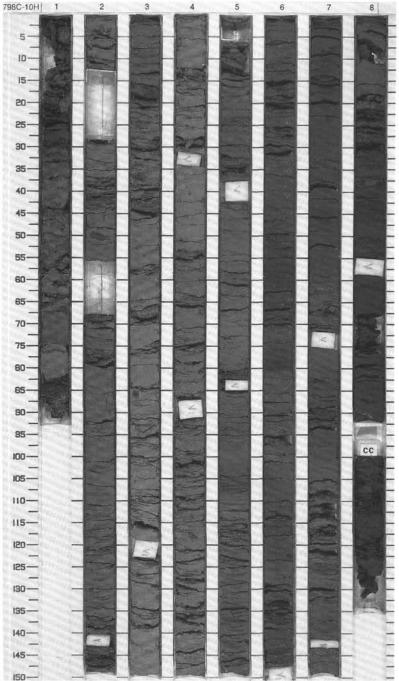
	810	791 05TR	AT.			Γ		Π	COR		8H C(	1	Γ	Г	ERVAL 962.3-971.8 mbsi: 62.7-71.8 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNDFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL		PHYS, PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						N		× CaCO3=10.7 × TOC=5.84	1	0.5			1	•	Minimal to moderate drilling disturbance. CLAYEY DIATOMACEOUS OOZE and DIATOMACEOUS CLAY Major Hihology: This core records regular hythmic variations in sediment composition and Tabric between dark onlive gray (5Y 42; 5Y 32): taimated DIATOMACEOUS CLAY to CLAYEY DIATOM OOZE, and massive to biotivated greensh gray (5Y 52; 5Y 51) DIATOMACEOUS CLAY with nanofossis and foramméres, intensive biotubation is present in the clay-rich sediments. The composition of the matrix is deflucit to assess in many sample's (e.g. Section 6, 100 cm), subsit-sized monocystalline grains with low bierfingence and highly domainal exitiction may be clay mineral so required dust.
									2	مبيبوليتهم بالم			1	•	Minor Mitologies: a. VITRIC ASH layers occur at Section 2, 111-117 cm; Section 3, 101-102 and 126 cm; Section 4, 30 cm; and Section 5, 45 cm. b. Section 4, 20 cm contains 3 specent sill-sized polycrystalline quartz-rock fragments; crystal domains show undulose extinction (melamorphic quartz). SMEAR SLIDE SUMMARY (%)
									+		``		-		1, 46 2, 37 3, 10 3, 48 4, 20 5, 115 6, 100 D D D D D D D D TEXTURE:
									з	mpron			1	•	Sand           1         1           Site         3         10         10         7         2         10         10         Clay         97         90         90         92         97         90         90         90         COMPOSITION:
			a	ris	us					Juriet			1		Amphibole            Tr           Clay         35         40         45          58         5           Datoms         10         17         25         45         15         25         53           Figh         Tr         Tr         0
DUATERNARY		5 / CN14b	hora davisina	via curvirostris	is octangulatus				4				1	•	Foramolities         5         10         3         5         5         2           Glass         5
QUA		CN15	Cycladophora	Rhizosolenia	Distephanus				5			1	22		Spoolins 2 3 3 5 2 4 5
									6	Ling trighter					
									7	hardnesstar			1 1 1		
						z			8				1 24		
	F/M	A/M	R/M	F./M	R/M				cc		ĩ				



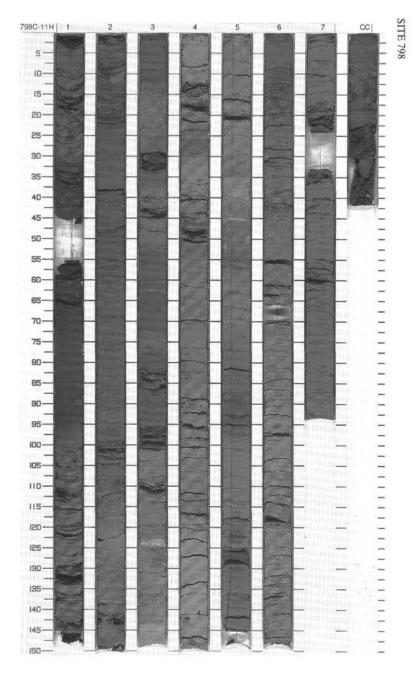
TE	810	T98	AT .	ZONE	TER	Γ			COF	RE 9H		Γ	Γ	ERVAL 971.9						
TIME-ROCK UN	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	GRAPHI LITHOLO		SED. STRUCTURES	SAMPLES		LIT	HOLOGIC	DESCRI	PTION		
				U		2	-	XCaCO3= 24.5 CHEMISTRY XTOC=2.03		0.5	222	1	*	DIATOMACEOUS CLA DIATOMACEOUS CLA Major lithology: This co	Y and CLAY	(				
1.50 11 0								%CaC %T0	1			1		detrital, and biocalcare CLAY, CLAYEY DIATO and CLAY, Color rang with lighter colors predi Sections 1 to 4 are stru ers. Sections 5 to 7 rec	ous compon MACEOUS es from gree ominant in cl ctureless to ords rhythm	ents. Sec OOZE, S nish gray lay-rich s burrow-r ic compo	dimentary SILTY CL y (5GY 5/ ediments nottled, d isitional vi	types inc AY, SILT 1), olive g <i>Chondril</i> atomace ariability b	Hude Dia Y DIATC ray to g tes mott bus and between	ATOMACEOUS DMACEOUS CLAY, ray (5Y 4/2, 5Y 5/1) ling is very common enriched in foramini laminated-biosili-
												1	*	ceous and massive-bio ter-scale are evident in winnowed horizons) are high-angle truncation o	most diaton present in	aceous Sections	strata; mi 5, 125-13	nor foram 35 cm (wh	initer grane they	ainstones (probably
									2			1		Minor lithology: VITRIC tures at their upper bou	indaries are					
												10A		SMEAR SLIDE SUMM	ARY (%): 1, 17 D	2, 24 D	4, 30 D	5. 125 D	6, 7 M	7, 6 D
			е	is	sn				3			1 10A 1		TEXTURE: Sand Silt Clay	5 25 70	 45 55	5 35 60	10 40 50	5 85 10	 15 85
RY		14b	davisiana	curvirostris	octangulatus							1		COMPOSITION: Calcite Clay	20	25	47	50	-	2 75
DUATERNARY		5 / CN1	1.00		1000							1	*	Diatoms Feldspar Foraminifers Glass	70	40 	35 Tr	30 	Tr 99	5 
00		CN1	Cycladophora	Rhizosolenia	Distephanus				4			1		Nannolossils Opaques Quartz Radiolarians	3 Tr 5 Tr	5 3 15	10 3 Tr Tr	5 1 1 Tr		15 
			Û	Rhi	Dis						222	24		Silicoflagellates Spicules	2	10	Tr 5	3	11	Ξ
									5		~~	1								
									5		~~	1+								
													*							
						N			6											
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												1	*							
	A/G	A/M	R/M	C/M	A/G	R-			7 CC		2	1								



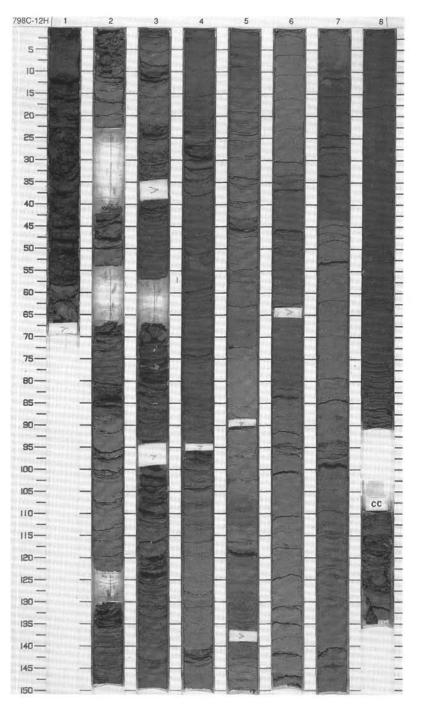




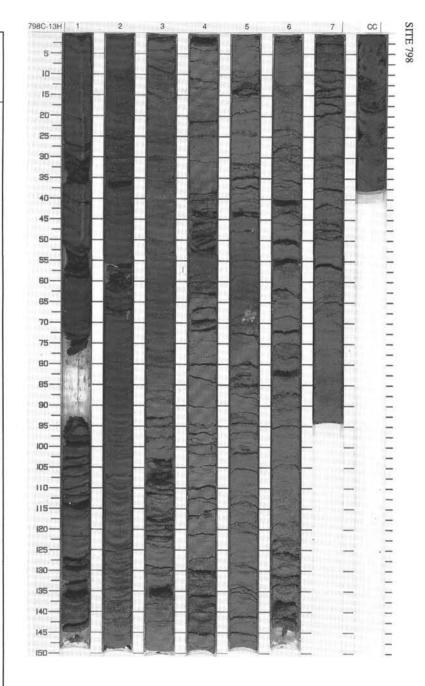
TE	810	SSIL		ZONE	E/		C s	1	CO	RE 11H C		T	T	ERVAL 991.2-1000.9 mbsl; 91.1-100.8 mbsf
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS		SILICOFLAGEL-	PALEOMAGNE TICS	PHYS, PROPERTIES		SECTION	GRAPHIC LITHOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						2			1			11	*	DIATOMACEOUS CLAY, DIATOMACEOUS OOZE, and CLAY Major lithology: Rhythmic variations occur between diatomaceous, laminated, foraminifer and nannofossil-enriched sediment and clay-rich, massive or burrow-motified and foram- inifer-poor sediment are common in this core. Dominant sediment types are olive gray (SY 4/2) DIATOMACEOUS CLAY, olive (SY 4/3) DIATOMACEOUS OOZE with CLAY and NANNOFOSSILS, and CLAY with DIATOMS. In Section 1, 70-90 cm, laminated diatoma- ceous ocze with clay exhibits prominent 0.8 cm rhythmic sublayering of clay-rich strata wi diatom and foraminiter-rich layers. 2% opaques are evident in most samples.
									2			**	•	Minor lithology: VITRIC ASH in Section 5, 35-46 cm, where an upward trend of finer grain size and lighter color is well-developed. This ash bed has a sharp base. SMEAR SLIDE SUMMARY (%): 1, 81 2, 33 3, 139 4, 128 5, 83 D D D D M TEXTURE:
												1		Silt 60 30 40 10 10 Clay 40 70 60 90 90 COMPOSITION:
			ana	us	05				3			#		Clay         34         35         35         55         60           Datoms         60         50         20         8         10           Foraminifers          -         3         Tr            Glass          5         3         5         5           Mica            Tr           Nannolossiis         1          38         20         10
THANALERINAL			Cycladophora davisiana	Actinocyclus oculatus					4					Opaques         Tr         2         Tr         2         2           Quartz         Tr         2         1         5         3           Radiolarians         Tr         —         Tr         —         —           Silcoflagellates         —         Tr         Tr         Tr         —           Spicules         5         5         Tr         5         5
									5				-	
									6		/s/s/s/s/s/s/s/s/s/s/s/s/s/s/			
	R/M	8	F/M	C/M	C/M	N			7					



TE	81	79	AT.	ZON	DLE	T	c		-		12H CC				ERVAL 1000.9	1010	0.0 m	ual;	00.0	-110.4 11051
TIME-ROCK UNIT	FORAMINIFERS	NAWNOF OSSILS	RADIOLARIANS 2	DIATOMS	SILICOFLAGEL -	PALEOMAGNETICS	PHYS. PROPERTIES	2. CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURG.	SED. STRUCTURES	SAMPLES			HOLOGI			
						α 		XCaCO3+16.2	1	0.5		www			FOSSILS and/or CLAY, d gray (5Y 5/1) NANNOFO	d NANN consists NT, olive ark olive SSIL CL/ intervals	of dark g gray (5) gray (5) AY, Bedd with cen	CLAY. ray to oliv ( 4/2) DV 4/1) DVA ing rhythi timeter-si	e gray (5 TOMACE TOMACE ns are sin cale dark-	by 4/1-2) DIATOMACEOUS EOUS CLAY with NANNO- OUS OOZE with CLAY, and milar to those described in -light cycles are well-devel-
						11									SMEAR SLIDE SUMMAR			140 611	10000	1010, 2078 bit
										-	1 (mage)	3		٠		1, 61 D	2, 17 D	5,80 D	7, 35 D	8.36 D
									2	transfer of			ŧ.		TEXTURE: Sand Silt Clay	2 30 68	2 23 75	1 25 74	25 26 49	5 49 46
									_	-					COMPOSITION					
									3			~			Accessory minerals Clay Diatoms Feldspar	2 52 3 Tr	56 5	2 69 3 1	1 24 25	45 20
										10 March		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Fish Foraminiters Glass Nannofossils	Tr 1	32	3 1 10	5 Tr 15	1 2 2 1
									_	-	图~~~	>	1		Opaques Pyrite Quartz	25 	2 10	-	2	3
<b>DUATERNARY</b>			a davisiana	us oculatus	subarctios				4	dament in the					Coanz Radiolarians Silicoflagellates Spicules	5 Tr Tr 10		7 Tr 1 3	2 Tr 3 25	5 Tr 2 15
QUATE			Cycldophora	Actinocyclus	Dictyocha				5											
									6	metrofore										
									7	to other lines			* * *	•	).					
	R/M	8	R/M	A/M	A/M	æ			8 CC	Per contract	۰,۰ ^{,۰} ,۰ [,] ۰,۰	~~~~								



5	BI0 FOS	STR	CHA	RAC	TER		00								
TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	SILICOFLAGEL-	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	RAPHIC THOLOGY	DRILLING DISTURB	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
						8			1					*	CLAY, CLAYEY MIXED SEDIMENT, CLAYEY NANNOFOSSIL MIXED SEDIMENT Major lithology: This core contains dark olive gray (5Y 3/2), dark gray (5Y 4/1), and dark greenish gray (5GY 4/1) CLAY, CLAYEY MIXED SEDIMENT, and CLAYEY NANNOFOS- SIL MIXED SEDIMENT. Minor constituents are represented by diatoms, nannofossils, and spicules. This core is rather uniform, except for the interval from Section 3 to Section 5, 73 cm, where well-developed dark-light alternating intervals occur. Minor lithology: A very light gray to white (N8-N9) VITRIC ASH layer is present in Section 3, 32 cm. A vitric ash layer appears in Section 4, 23 cm.
										-~		1			SMEAR SLIDE SUMMARY (%):
									2	1~		1			1, 66 3, 85 5, 66 7, 64 D D D D TEXTURE:
										1.					Sand – 2 1 2 Silt 35 45 34 38
						H						i		ľ	Clay 65 53 65 60
											1	1			COMPOSITION: Accessory minerals 1 1 1 -
										<u></u>	-	1			Clay 64 38 60 32 Diatoms 20 15 15 10
									3		-	1			Feldspar Tr Tr — Tr Fish Tr Tr Tr Tr
			ana	SD	so					문					Foraminifers         —         15         2         5           Glass         1         1         2         —           Nannofossils         Tr         20         5         30
>			davisiana	oculatus	reti					₩	-				Nannofossils         Tr         20         5         30           Opaques         2         1         1         2           Quartz         5         5         2         3
QUATERNARY					subarctios					14	-		11		Silcollagellates 2 1 2 2 Spiculas 5 3 10 15
ER		~	Cycladophora	Actinocyclus						1			Ŧ		
NA			Idop	1000	Dictyocha				4						
0			ycla	ctil	Dict					10					
			S	4									ŧ		
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										10	81 -	1			
										10	圖	1			
	5	0	5	5	5	a a			7	10	81 -	1		1	
	R/M	R/P	R/M	A/M	F/M			F.	cc	1 30	- 1	1			



128-798B-44X-02 (Piece 1A,71-72 cm) OBSERVER: POU WHERE SAMPLED:

ROCK NAME: Vitric ash

GRAIN SIZE: Coarse silt to fine sand

## TEXTURE: None

PRIMARY MINERALOGY Glass Quartz Feldspar	85 10 5	ORIGINAL 85 10 5	.03-0.2 .12 .12	COMPO- SITION	MORPHOLOGY Fragments Fragments Fragments		COMMENTS d micropumices.	
VESICLES/ CAVITIES Vesicles		LOCATIO	SIZE		FILLING	SH	APE	
COMMENTS: Colo	orless glas	55.						
		LA,53-54	cm)	OBSERVER: POU	WHERE SAMPLED:			
128-798B-46X-0 ROCK NAME: Pum	ice	LA,53-54	cm)	OBSERVER: POU	WHERE SAMPLED:			
ROCK NAME: Pum GRAIN SIZE: No	ice ne	LA,53-54	cm)	OBSERVER: POU	WHERE SAMPLED:			
	ice ne yaline PERCENT	PERCENT ORIGINAL	SIZE	OBSERVER: POU COMPO- SITION	WHERE SAMPLED: MORPHOLOGY ?		Comments	