











Hole 402-U1616B Core 11, Interval 0.0-0.0 m (CSF-A) DRILLED INTERVAL 0 m-31.2 m Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) Natural gamma GRA radiation bulk density (cps) (g/cm³) S S S S C S S S C Luduuluuluu Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section Core image 10.0 0.0 0.3 0.5 1.0 0.0 5.0 0.0 LL. . 1. . 1 0.00 0











Hole 402-U1616B Core 7X, Interval 78.7-78.75 m (CSF-A) ALL TO PAL Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) GRA bulk density (g/cm³) ଓ ଓ ଓ ଓ ଓ ଦୁ Լուսիսովում Natural gamma radiation Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section (cps) Core image 10.0 0.0 0.3 0.5 1.0 0.0 5.0 0.0 L 1 1 PAL NANNO FORAM 78.70 MNQ19d

Hole 402-U1616B Core 8X, Interval 88.5-88.5 m (CSF-A)

NO RECOVERY 88.5 m-98.3 m																
Depth CSF-A (m)	Core length (cm)	Section		Shipboard samples	Core image	Lithology	Ave. grain size class rank 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bioturbation intensity	Lamination thickness	Grading type	Nannofossil zone	Planktic foraminiferal zone	Natural gamma radiation b (cps) 8 8 8 9 0 8 huuluuluuluuluu	GRA pulk density (g/cm³) ୧୦୦୦ ୧୦୦୦ ଅଧାରଣାରଣ	Magnetic susceptibility SHMSL WRMSL (IU) 0 5 5 5 5 7 Lundundund 0 5 5 5 8 0 Lundundund	Reflectance L* a* b* 00 I 00 I 00 I
88.50	0		<i>_</i>													

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Hole 402-U1616B Core 9X, Interval 98.3-98.48 m (CSF-A) Core catcher of volcaniclastic gravel and sandy silt Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) GRA bulk density (g/cm³) 8 8 8 8 8 Luuluuluuluul Natural gamma radiation Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 - 0.0 Ave. grain size Shipboard samples Lith. unit Lithology class rank Section (cps) Core image 10.0 1.050) 1.080 1.080 1.080 1.080 1.090 0.0 1.0 1.0 0.0 5.0 0.0 98.30 HS-PAL-FORAM NANNO 0 CC IC 4



































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Hole 402-U1616B Core 29X, Interval 292.8-293.58 m (CSF-A) Muddy consolidated breccia. Magnetic susceptibility SHMSL WRMSL Reflectance L* a* b* Lamination thickness Planktic foraminiferal zone Drilling disturbance (IU) 40.0 20.0 40.0 60.0 Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) 1000.0 2000.0 Natural gamma radiation GRA bulk density <mark>Е</mark> 0:0 Bioturbation intensity Grading type Ave. grain size class rank - 2.0 - 4.0 - 6.0 Shipboard samples 0.0 Lith. unit ستليتيتك Lithology Section (cps) (g/cm³) 1100.0 Core image 100.0 600.0 -10.0 10.0 10.0 0.0 5.0 3.2 4.2 1.0 1.5 2.0 5.2 0.0 بأتبيت L. L. 111 нĒ ъŤ Ъ uЦ Ь ÷. 1 Т 292.80 0 1 2 IV 293.30 _ PAL FORAM NANNO сс

Hole 402-U1616E Core 11, Interval 0.0-0.0 m (CSF-A) DRILLED INTERVAL 0.0 m-11.2 m Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) GRA bulk density (g/cm³) ଓ ଓ ଓ ଓ ଓ ଦୁ Լուսիսովում Natural gamma radiation Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section (cps) Core image 10.0 0.0 0.3 0.5 1.0 0.0 5.0 0.0 Ŀ . 1 0.00
Hole 402-U1616E Core 12, Interval 11.2-11.2 m (CSF-A)

DRIL	LED INTERV	AL 11.2 m-	250 m											
Depth CSF-A (m)	Core length (cm) Section Lith. unit	Shipboard samples	Core image	Lithology	Ave. grain size class rank Dulling disturbance	Bioturbation intensity	Lamination thickness	Grading type	Nannofossil zone	Planktic foraminiferal zone	Natural gamma radiation (cps) දි දි දී දී දී Imulaulaulaul	GRA bulk density (g/cm³) ଥି ଅ ଅ ଅ ସ பயியியியியி	Magnetic susceptibility SHMSL (IU) 0 5 5 5 5 7 Lundmindmin 0 5 5 8 7 Lundmindmind	Reflectance L* a* b* 0 1 0 1
0.00														











	Hole 402-U1616E-5R Section 1, Top of Section: 279.4 m (CSF-A)																										
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											Pr min	imary eralogy ^{Biotite}	Av	veraç size Bio	ge grai (mm) otite	n											
	4 (m)	(cm)	er		amples		Мас	Inetic			Am Ortho	phibole Dxide pyroxene	0	Qu Amp Ox rthop	uartz hibole xide ovroxene	•	c.	Stru	uctures								
	th CSF-/	e length	e numbe	ntation	board s	image	susce (I	ptibilit U)	y nnit		C Plac Clino	plivine gioclase pyroxene	С	Oli Plagi linop	ivine ioclase yroxene	•	deformatic	ntensity	sense of sh	contact	Alteration intensity	bole	Vein	fill miner	als	Fabric Crystal-pla Brittle	:S astic
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	Hole 402-U1616E-7R Section 1, Top of Section: 289.0 m (CSF-A) Breccia with serpentinized clasts															
Breco	cia wi	ith sei	pentin	ized clast	S											
Depth CSF-A (m)	Core length (cm)	Piece number	Orientation Shipboard samples	Core image	Magnetic susceptibility (IU)	Lith. unit	Lithology	Primary mineralogy Biotite Quartz Amphibole Oxide Orthopyroxene Olivine Plagioclase Clinopyroxene	Average grain size (mm) Biotite Quartz Amphibole Oxide Otthopyroxene Olivine Plagiodase Clinopyroxene	Brittle deformation	CPF Intensity Fault sense of shear	Upper contact	Alteration intensity	Amphibole Carbonate Chlorite Chlorite	Magmatic Quartz Other	Fabrics Crystal-plastic Brittle 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
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289.40 - 289.50 -	40 - 50 -	9														0

Hole 402-U1616E Core 8R, Interval 293.8-294.08 m (CSF-A)









	Hole 402-U1616E-10R Section 1, Top of Section: 303.5 m (CSF-A)																	
Serp	entinize	d har	zburg	ite with ca	arbonate vei	ins												
								5										
								Primary mineralogy Biotite	Average gra size (mm) Biotite	in								
(E)	(E		nples		Magnetie			Quartz Amphibole Oxide	Quartz Amphibole Oxide			Struct	tures					
CSF-A	ength (c	ation	ard sai	nage	susceptibility (IU)	/ 		Olivine Plagioclase Clinopyroxene	Orthopyroxen Olivine Plagioclase	e	ormation	Isity	se of she	itact	Alteration	Vei	n fill minerals	Fabrics
Depth	Core le Piece r	Orienta	Shipbo	Core in	- 0.0 - 500.0 - 1000.0	Lith. un	Lithology	- 0.0 - 75.0		- 10.0	Brittle del	CPF Inter	Fault sen	Jpper col	intensity 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Amphibol Carbonat	Chlorite Magmatic Quartz Other	Brittle
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	Hole 402-U1616E-11R Section 2, Top of Section: 309.82 m (CSF-A) Serpentinized Iherzolite cross-cut by sub-vertical carbonate veins														(CSF-A	4)					
Serp	Serpentinized Iherzolite cross-cut by sub-vertical carbonate veins																				
									Primary mineralogy	Average grain											
				Se					Biotite Quartz Amphibole	Biotite Quartz			Struc	ctures							
(m) A	h (cm)	ber	_	sampl	Ø	Magnetic susceptibility			Oxide Orthopyroxene Olivine	Oxide Orthopyroxene		tion		shear				Voin f	ill minerolo		
th CSF	e lengt	se num	entatior	board	e imag	(IU)	unit		Plagioclase Clinopyroxene	Plagioclase Clinopyroxene	-	deforme	Intensity	sense of	r contact	Alteration intensity	ibole	te puere	z latic	C	Fabrics rystal-plastic Brittle
Dep	Core	Piec	Orie	Ship	Core	500 100	Lith.	Lithology	- 25.0 - 25.0 - 50.0 - 75.0		L 10:0	Brittle	CPFI	Fault	Upper		Amph	Carbo Chlori	Magm Quart:	Other	- 1.0 - 2.0 - 3.0 - 4.0
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Hole 402-U1616E Core 241, Interval 371.0-371.0 m (CSF-A) DRILLED INTERVAL 371.0 m-400.0 m Magnetic susceptibility SHMSL WRMSL Reflectance Lamination thickness Planktic foraminiferal zone L* a* b* Drilling disturbance Nannofossil zone 0.0 Depth CSF-A (m) Core length (cm) (IU) Natural gamma radiation GRA bulk density (g/cm³) 8 8 8 8 8 Luuluuluuluul Bioturbation intensity Grading type 0.0 0.3 1.0 8.0 1.0 1.0 1.0 1.0 1.0 Ave. grain size class rank 0.0 Shipboard samples Lith. unit Lithology Section (cps) Core image 10.0 0.0 0.3 0.5 1.0 0.0 5.0 0.0 Ĩ. . 1 371.00

















