

Hole C0019J Core 1K, interval 82 to 85.255 m (core depth below seafloor)											
Major lithology: Olive black siliceous mud with black lamina.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
82.5	0										
83.0	100	1									PP SS
84.0	200	2									HS
85.0	300	3									PP CARB,XRD,XRF SS PMAG
		CC									PALW SS PP SS PAL SS

Hole C0019J Core 2K, interval 91.5 to 95.43 m (core depth below seafloor)

Major lithology: Olive black siliceous ash and ooze with black lamina.

Minor lithology: Dispersed pumice and tuff (grey/white) clasts with some green rims, rust orange/red clasts and occasional black clasts.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
92.0	1										PP
100											SS
93.0	2										PMAG
200											HS
94.0											PMAG
											IW
											PP
											CARB,XRD,XRF
											SS
300	3										SS
											PMAG
											pp
95.0	CC										SS
											PAL

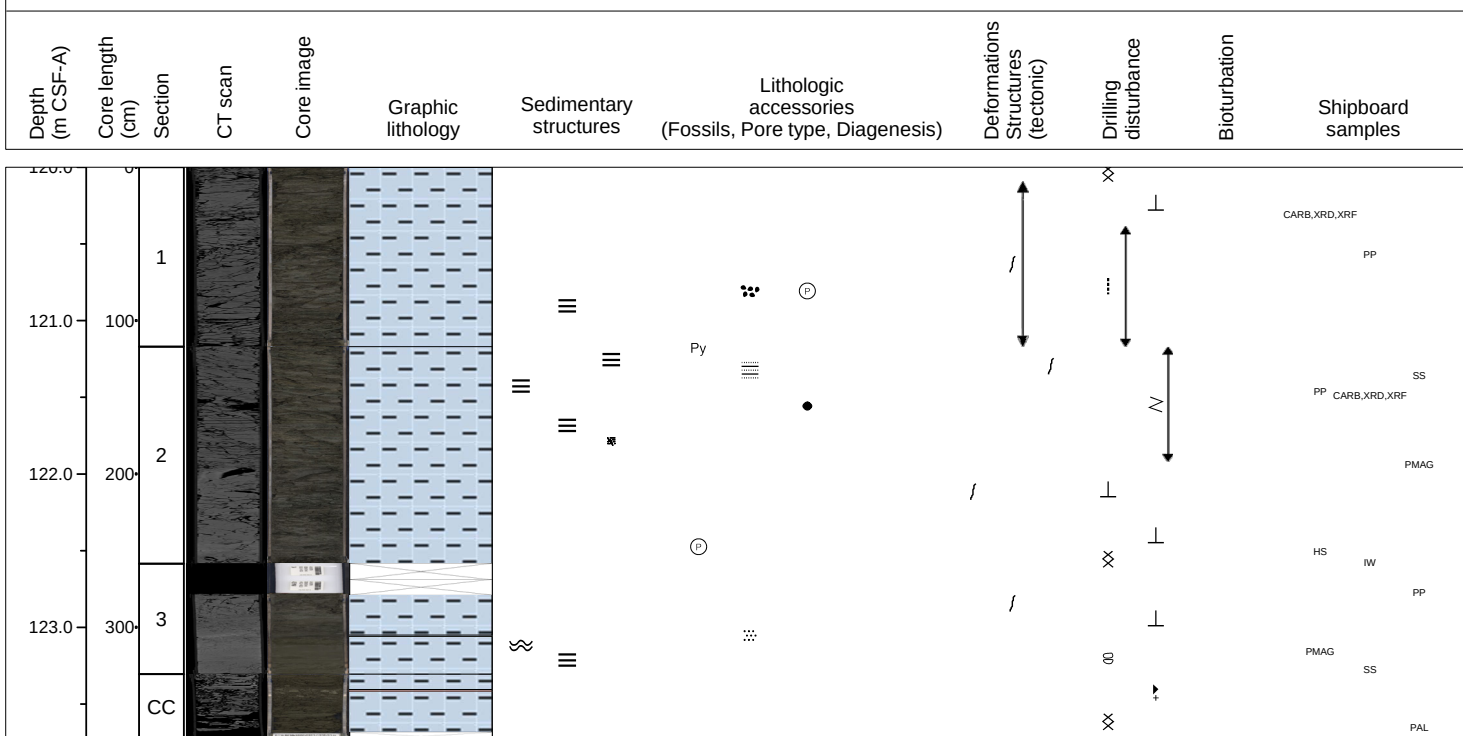
Hole C0019J Core 3K, interval 101 to 104.75 m (core depth below seafloor)											
Major lithology: Olive black to gray siliceous mud with black wavy sub horizontal lamina and is.											
Minor lithology:											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
101.0	0	1									
102.0	100	2									PMAG SS PP
103.0	200	3									HS IW PP CARB,XRD,XRF PMAG SS
104.0	300	CC									SS PMAG CARB,SS,XRD,XRFSS PP PMAG PAL

Hole C0019J Core 4K, interval 110.5 to 112.47 m (core depth below seafloor)											
Major lithology: Olive black to gray siliceous mud with black wavy sub horizontal lamina and is.											
Minor lithology: Isolated cobble.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
111.0	1						Py				PP CARB,XRD,XRF PALW SS PMAG
100	2						⊙				SS PALW HS SS
112.0						≡					
	CC					≈	Δ				PP PMAG
						≈	Δ				PAL

Hole C0019J Core 5K, interval 120 to 123.735 m (core depth below seafloor)

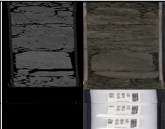
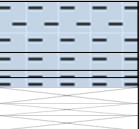
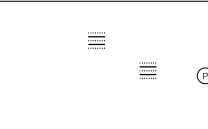
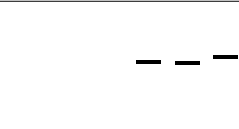
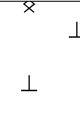
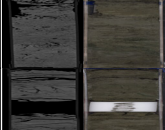
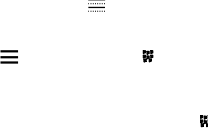
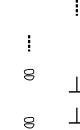
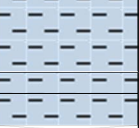
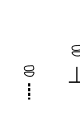
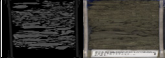
Major lithology: Olive black siliceous ooze with mottled black patches, subhorizontal lamination, discontinuous ash layers, and dispersed clasts.

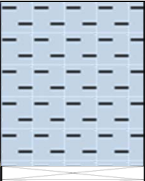
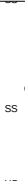
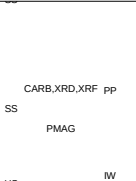
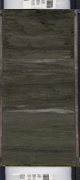
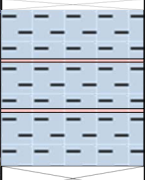
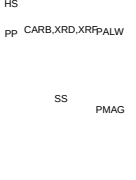
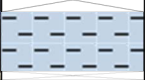
Minor lithology: Silt bedding (~ 4 cm thickness)(Sec 3).

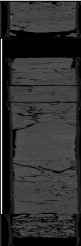
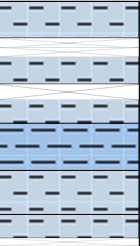
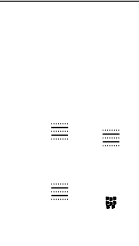
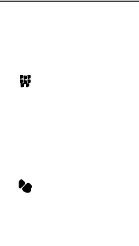
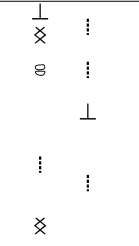


Hole C0019J Core 6K, interval 129.5 to 132.97 m (core depth below seafloor)											
Major lithology: Olive black siliceous ooze and siliceous mud (stone) with black laminae.											
Minor lithology: Black mud with subhorizontal laminae, and dark olive gray mud.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
130.0	100	1									SS IMP,PP,PWVD PP PMAG
131.0	200	2									IW HS SS PP PP CARB,XRD,XRF PMAG PALW
132.0	300	3									SS PP PMAG CARB,XRD,XRF SS SS
		CC									PAL

Hole C0019J Core 7K, interval 139 to 142.805 m (core depth below seafloor)											
Major lithology: Olive black siliceous mud (stone) with black wavy laminae.											
Note: Heavily disturbed due to drilling, so most sed structures are disturbed (Sec 1). Lots of drilling disturbance - hard to see sedimentary features (Sec 2). Sed structures hard to determine due to large drilling disturbance (CC).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
139.0	0										
140.0	100	1						f	⊥		PP PP
								f	⋮		
141.0	200	2						f	⊥		SS PP
						≈		↕	⊥		PMAG
142.0	300	3							⊗		HS IW
									⋮		PP PP
											CARB,XRD,XRF
							⊙				PMAG
						≈					SS
		CC				≈			⊥		PAL

Hole C0019J Core 8K, interval 148.5 to 151.5 m (core depth below seafloor)											
Major lithology: Olive black siliceous ash and siliceous mud with some darker patches and seams throughout.											
Minor lithology: Gray siliceous ash with ash or pumice pebble.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
149.0	100	1									SS PP SS IW HS
150.0	200	2									PMAG PALW
151.0	300	3									PALW SS PP CARB,XRD,XRF PMAG SS SS
		CC									SS PAL

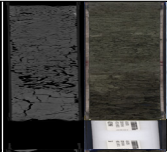
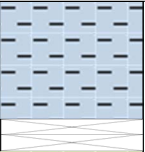
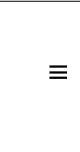
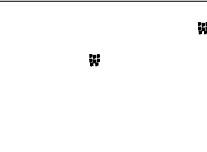
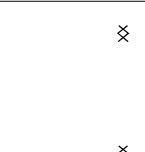
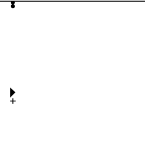
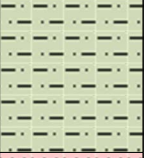
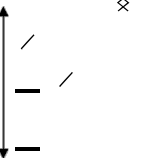
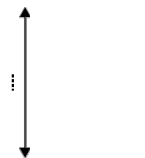
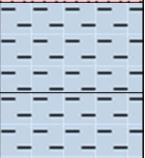
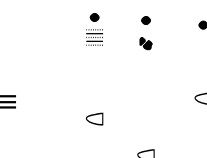
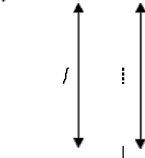
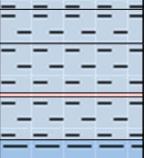
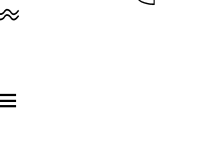
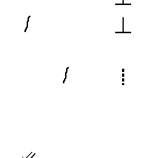
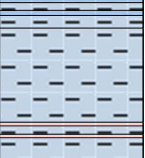
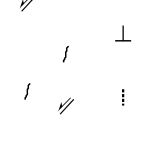
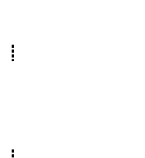
Hole C0019J Core 9K, interval 158 to 160.85 m (core depth below seafloor)											
Major lithology: Olive black to gray siliceous ash with black laminae.											
Minor lithology: Light gray ash, olive gray altered ash, green gray ashy mudstone and black laminae (color bands) with fresh and altered pumice layer and/or patches.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
158.0	0	1									
159.0	100										
160.0	200	2									
		CC									

Hole C0019J Core 10K, interval 167.5 to 169.095 m (core depth below seafloor)											
Major lithology: Olive black siliceous ash with pebble and white ash.											
Minor lithology: Gray siliceous ash with color bands.											
Note: Heavily fractured due to drilling(Sec 1). Quite a lot of drilling disturbance (Sec 2).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
168.0	100	1									HS SS IW PP CARB,XRD,XRF,PWVD
		2									SS CARB,XRD,XRF
169.0		CC									PMAG SS PAL

Hole C0019J Core 11K, interval 177 to 182.64 m (core depth below seafloor)

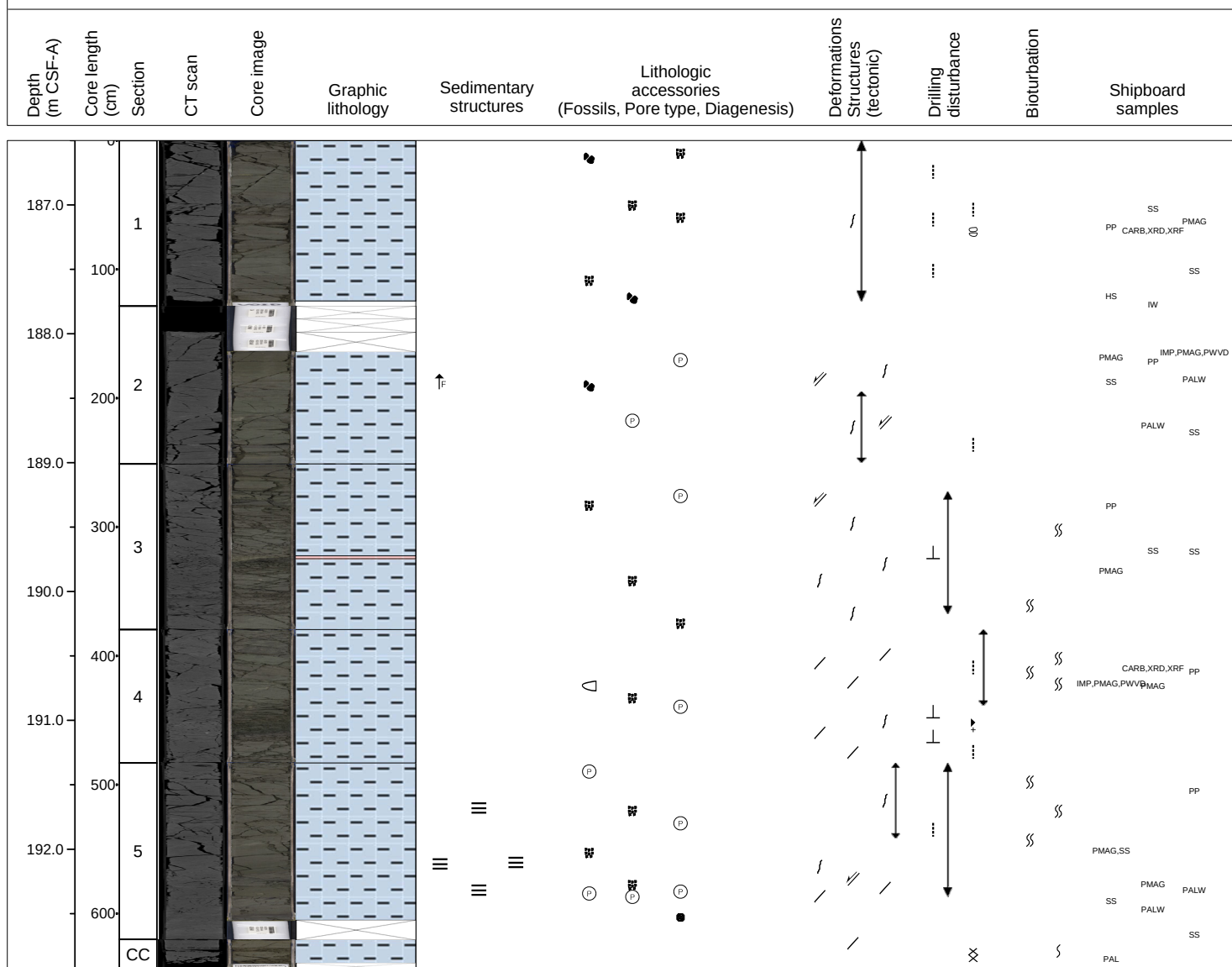
Major lithology: Olive black siliceous ooze with black laminae, pumice clasts and ash (starting from Sec 1 48cm and below, similar to 1K-8K lithology).

Minor lithology: Dark olive gray siliceous ash with interbedded light gray to gray ash layers.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
177.0	0	1									SS PP
178.0	100	2									IW HS SS PMAG SS PP
179.0	200	3									PMAG SS IMP, PMAG, PP, PWVD SS
180.0	300	4									PMAG CARB, XRD, XRF SS
181.0	400	5									PP CARB, XRD, XRF SS
182.0	500	CC									PMAG PALW PP SS PAL

Hole C0019J Core 12K, interval 186.5 to 192.935 m (core depth below seafloor)

Major lithology: Olive black to gray siliceous mudstone with fine sand, black lamina, and abundant pumice clasts.

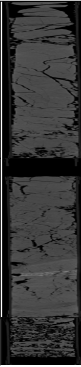
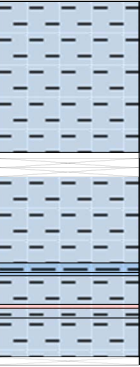
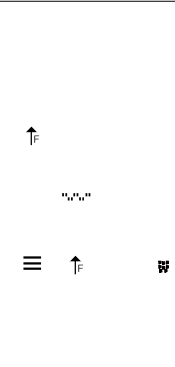
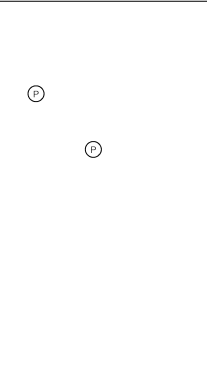
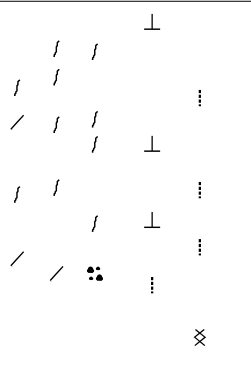
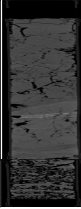
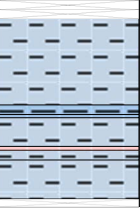
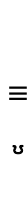
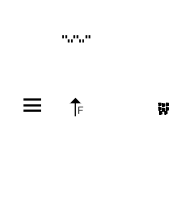
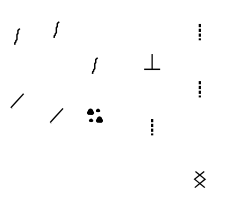


Hole C0019J Core 13K, interval 196 to 199.115 m (core depth below seafloor)											
Major lithology: Gray siliceous mudstone with dispersed pumice clasts (Sec 1 and Sec 2).											
Minor lithology: Dark gray siltstone and some normal grading at the base (Sec 3). Fine grained sandstone in the core catcher (CC).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
196.0	0										PAL, MP, PMAG, PWVD PP, CARB, XRD, XRF
197.0	100	1									W
198.0	200	2									PMAG, HS, PP
199.0	300	3									PMAG, SS, SS
		CC									PMAG, PP, SS, PAL

Hole C0019J Core 14K, interval 205.5 to 207.87 m (core depth below seafloor)

Major lithology: Gray siliceous mudstone. Some burrows and bioturbation (narrow and bulbous). Intermittent green bedding, pumice clasts, subtle normal grading.

Minor lithology (Specific features/structures): 65-70 cm: Large fragments, pumice clasts, clay in gouge, intermixed ash, loading structures, deformed fabric (Sec 2).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
206.0	100	1									PP PMAG SS
207.0	100	2									HS IW PP PMAG SS CARB,XRD,XRF PALW,SS XRD CARB,XRD,XRF
200		CC									SS PAL SS

Hole C0019J Core 15K, interval 215 to 221.94 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone and muddy ash with some very rare silt grade clasts. Intermittent black and green alteration bands and patches. Silt and mud with black lamina, upwards fining cycles. Degassing texture. Ash intermixed with mud with a mottled texture - turbidites.

Minor lithology: The colour changes from grey to olive black at 83cm. Accumulation of pebbles, ash and pumice at 123 - 124 cm (Sec 1).

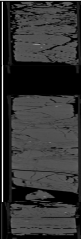
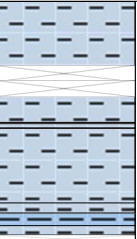
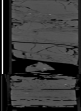
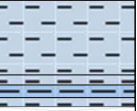
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
215.0	0										
216.0	100	1									PP
											PMAG
217.0	200	2									PMAG
											CARB,XRD,XRF
											PP
											IW
											IMP,PMAG,PWVO
218.0	300	3									SS
											PP
											PMAG
219.0	400	4									HS
											PP
220.0	500	5									PMAG
221.0	600										SS
											CARB,XRD,XRF
											PP
											PMAG
											SS
		CC									PAL

16

Hole C0019J Core 17K, interval 234 to 235.575 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with black laminae throughout, some intercalations of sand and ash (marked as pumice) - some mottled texture throughout - either burrows or dewatering or slumping.

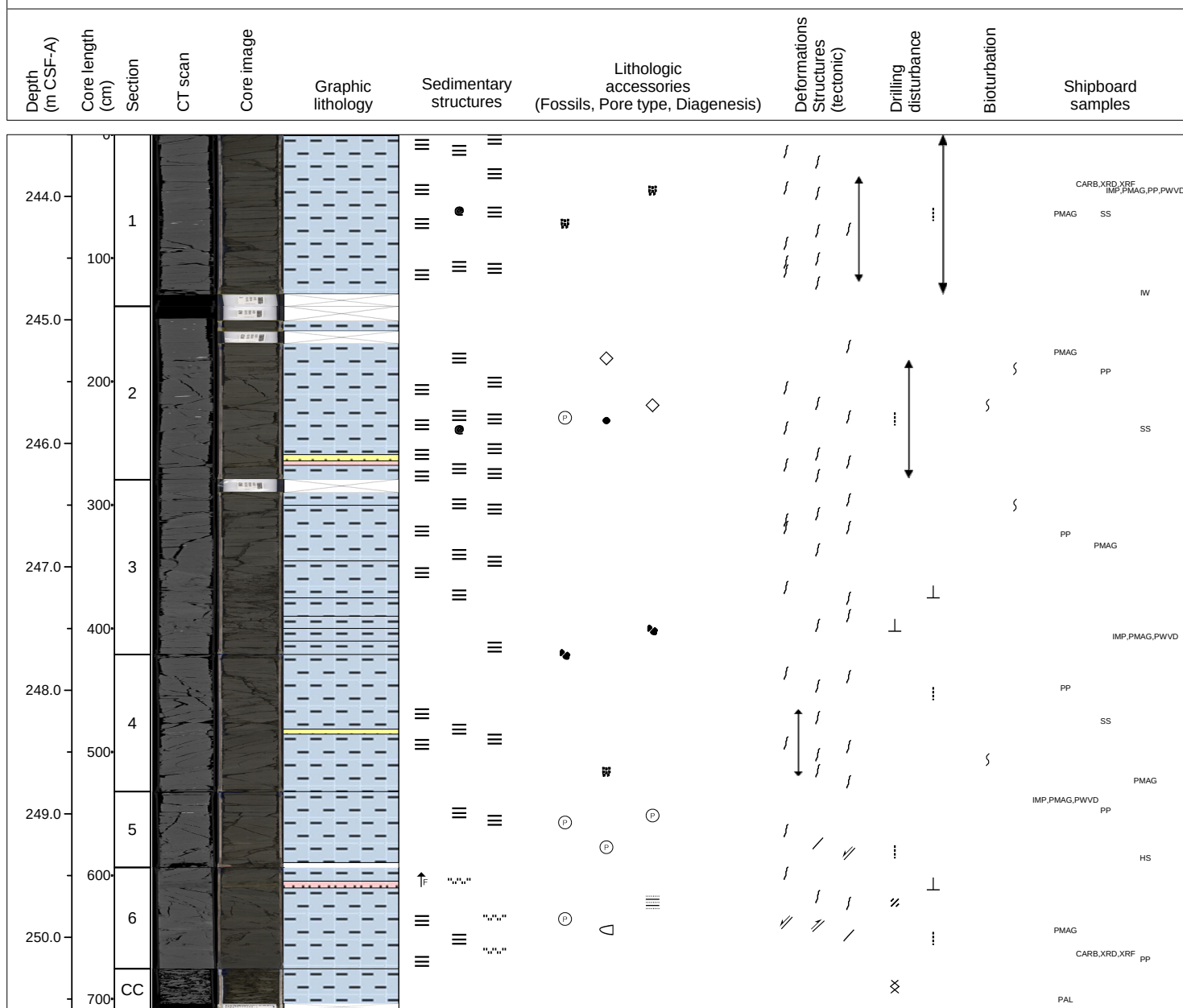
Minor lithology: Quite disturbed by the drilling which obscures sed structures - but a big lithological change from siliceous mud into brown clay (checked by SS) and then back to siliceous mud. Lots of intermixed ash (CC).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
234.0	0	1									HS CARB, XRD, XRF PP IW
235.0	100	2									SS SS PMAG SS
		CC									PP SS PAL SS

Hole C0019J Core 18K, interval 243.5 to 250.59 m (core depth below seafloor)

Major lithology: Olive black siliceous mud with green and black bedding(color banding) with intercalated ash granules, dipping seams, disseminated clasts, and burrows, black patches.

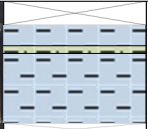
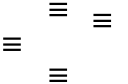
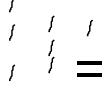
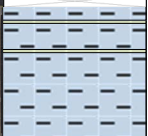
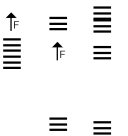
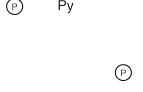
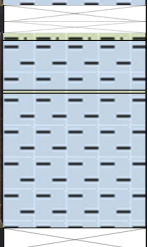
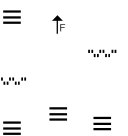
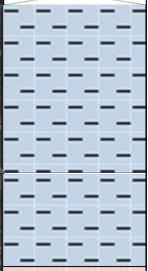
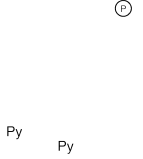
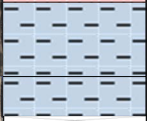
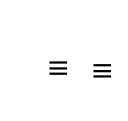
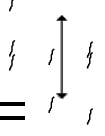
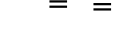
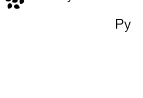
Minor lithology: Slumping and ashy sand (Sec 2). Colour banding with u-shaped alteration (?slumping), and some bands of pebbles (Sec 3). One coarser band with ash - sand grade material. Some wavy banding and burrows towards the top of the section (Sec 4). Intercalated ash throughout with abundant ash and pumice (Sec 5). Olive black siliceous mud with grading and loading structures - greyish ash (Sec 6).



Hole C0019J Core 19K, interval 253 to 258.88 m (core depth below seafloor)

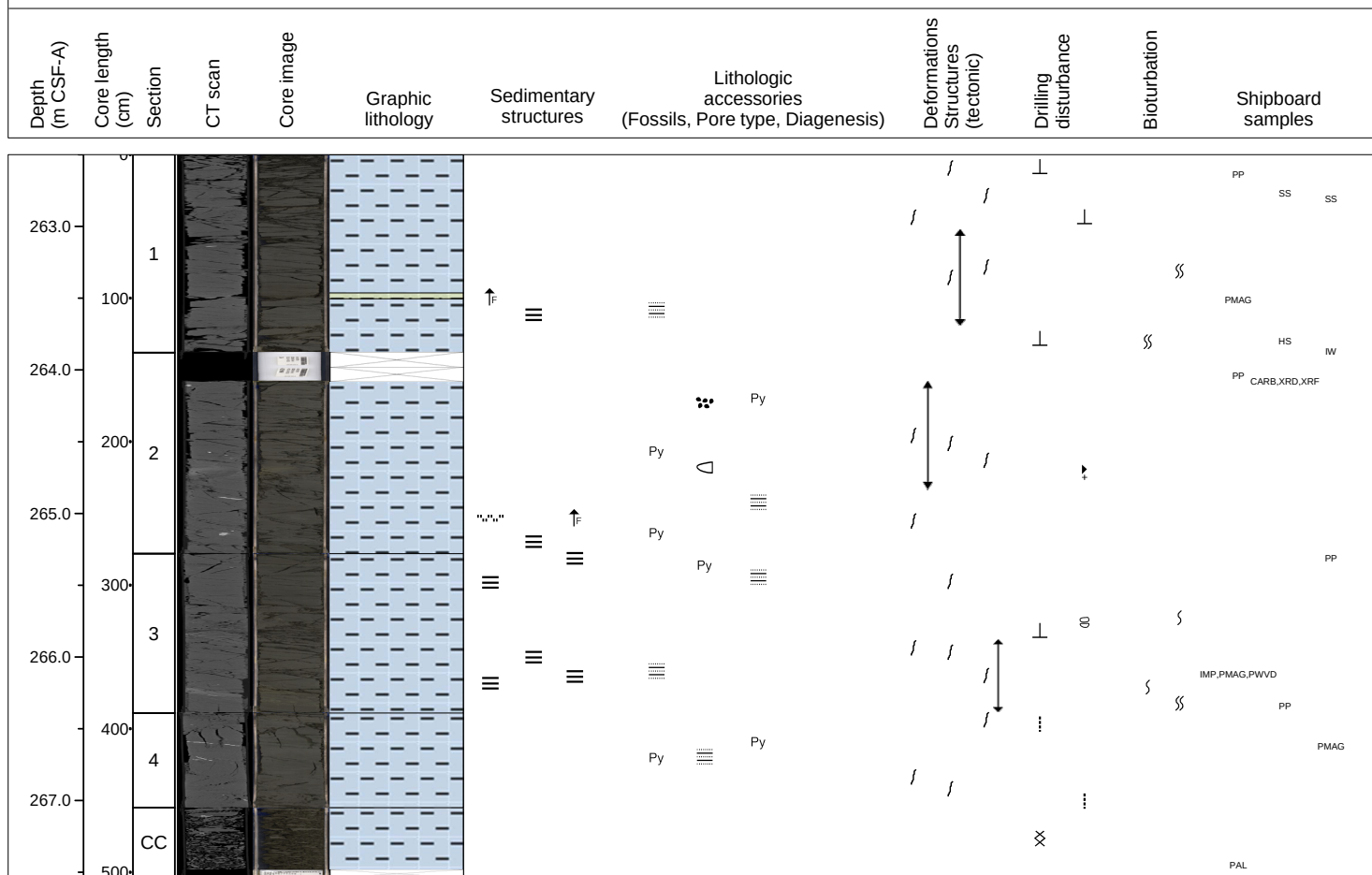
Major lithology: Olive black siliceous mudstone with gray-green laminations, occ., burrows and thin silt beds.

Minor lithology: Olive black siliceous mudstone, almost completely brecciated by drilling (CC).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
253.0	0	1									PP IMP, PMAG, PWVD
254.0	100	2									PMAG HS PMAG
255.0	200	3									PP IMP, PMAG, PWVD RW
256.0	300	4									SS CARB, XRD, XRF
257.0	400	5									PMAG IMP, PMAG, PWVD PP
258.0	500	CC									PAL

Hole C0019J Core 20K, interval 262.5 to 267.535 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with gray-green laminations, occasional burrows and thin silt beds.



Hole C0019J Core 21K, interval 272 to 276.855 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with lots of interspersed volcanisclastic material, colour bandings and burrows at top of the sedimentary structure.

Minor lithology: Lots of pumaceous clasts throughout (Sec 1). Highly disturbed so lacking sed structures (CC).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
272.0	0	1									
273.0	100	2									PMAG CARB,XRD,XRF PP
274.0	200	3									SS PMAG HS IW IMP,PMAG,PP,PWVD
275.0	300	4									SS PP PMAG
276.0	400	5									PMAG SS PP
		CC									PAL

Hole C0019J Core 22K, interval 281.5 to 288.43 m (core depth below seafloor)

Major lithology: Olive black to dark olive siliceous mudstone and siliceous ash - highly disturbed, colour banding throughout (black/greenish altered clay), burrows, ash granules, pyritized burrows, black clasts, ash (in bands and lenses), pumice.

Minor lithology: A clast of crystalline quartz (Sec 1). One ash-rich region, altered to clay. Lots of bioturbation throughout - likely Planolites. Disseminated ash at the base (Sec 3). Sometimes in larger pieces with disseminated pumice. 3 distinct colours in the section (Sec 4). Olive black ashy mudstone with lots of disseminated ash granules, pebbles, intermixed ash and pyritised clasts (Sec 5 and Sec 6).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
282.0	100	1									IMP, PMAG, PWVD PP
283.0	200	2									PMAG
284.0	300	3									SS
285.0	400	4									PMAG PP
286.0	500	5									RW HS PP
287.0	600	6									PALW SS
288.0		CC									CARB, XRD, XRF SS IMP, PMAG, PWVD

Hole C0019J Core 23K, interval 291 to 295.69 m (core depth below seafloor)

Major lithology: Olive black siliceous mud with interspersed colour banding, disseminated pumice throughout.

Minor lithology: Dark olive black siliceous mudstone with interspersed ash clasts and some bioturbation (Sec 4).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
291.0	0										
292.0	100	1					Py				PP
293.0	200	2									PMAG
294.0	300	3					Py				IMP, PMAG, CMB, XRD, XRF
295.0	400	4									HS
		CC									IW
											PP
											SS
											PMAG
											SS
											PP
											PAL

Hole C0019J Core 24K, interval 300.5 to 304.405 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone and grey fine sandstone to sandy silt with repeated fining upwards sequences.

Minor lithology: Interbedded turbidites with pelagic sediment - possible evidence of soft sediment deformation. Disseminated pumice clasts throughout (Sec 1). Almost completely brecciated - abundant ash (CC).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
301.0	1										PP CARB,XRD,XRF SS PALW
100							Py				PMAG PP CARB,XRD,XRF IMP,PMAG,PWVD
302.0	2										PALW,SS
200											HS PP
303.0	3										PMAG
304.0	CC										PAL

Hole C0019J Core 25K, interval 310 to 313.935 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone and ash with overturned beds evidenced by upside down burrows (Sec 2 and Sec 3).

Minor lithology: Grey to dark grey mudstone with evidence of soft sediment deformation throughout (Sec 1).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
310.0	0										
311.0	100	1				≡	Py ⊙	/ / / /	⊥ ↕ ⊥	≡	PP IMP, PMAG, PWVD, SS
312.0	200	2				≡ ≡ ≡		/ / / / / /	⊥ ⊥ ⊥	≡	HS IW PMAG PP SS
313.0	300	3				● ● ●	△	/ / / / / /	⊥ ⊥ ⊥	≡	PP CARB, XRD, XRF
		CC					△	/ / / / / /	⊥ ⊥ ⊥	≡	PAL

Hole C0019J Core 26K, interval 320 to 322.83 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with green colour banding (very steeply dipping) and pumice and ash interspersed.

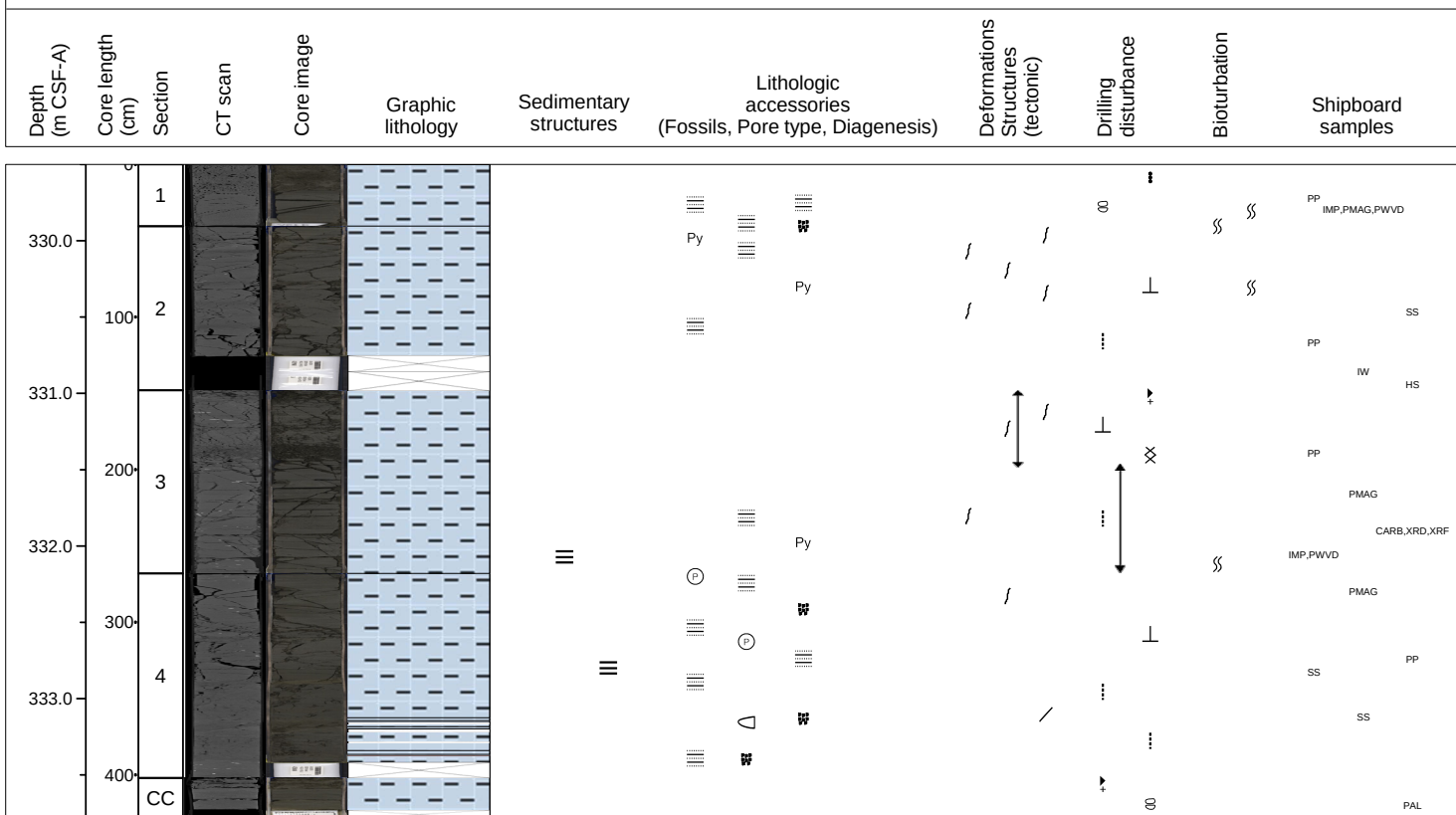
Minor lithology: Pyritised pebbles (Sec 2).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
320.0	0										
321.0	100	1									PP PMAG
											SS
											HS
											IW
											PP
322.0	200	2					Py				CARB,XRD,XRF
											PMAG
											SS
		CC									PAL

Hole C0019J Core 27K, interval 329.5 to 333.785 m (core depth below seafloor)

Major lithology: Olive black siliceous mud with intermittent black patched (likely burrows), colour banding, pyritised pebbles, and disseminated pumice.

Minor lithology: Slush at top due to drilling (Sec 1). Layer of brownish black mud (Sec 4). Compacted from drilling but some colour changes evident - changes from dark olive grey (2.5 gy 4/1), black and greenish (2.5 gy 2/1), yellow (10y 3/2), brown (10Y 3/1) (CC).



Hole C0019J Core 28K, interval 339 to 343.805 m (core depth below seafloor)

Major lithology: Olive black siliceous mud with lots of banding and disseminated ash and pyrite bands.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
339.0	0										
340.0	100	1				≡	Py	/	⊥		SS IMP, PMAG, PWVD
341.0	200	2				≡		f	⊥		PP
342.0	300	3						f	⊥		PMAG
343.0	400	4						f	⊥		PP
		CC						f	⊥		HS
								f	⊥		IW
								f	⊥		PP
								f	⊥		SS
								f	⊥		CARB, XRD, XRF
								f	⊥		PMAG
								f	⊥		SS
								f	⊥		PP
								f	⊥		SS
								f	⊥		IMP, PMAG, PWVD
								f	⊥		PAL

Hole C0019J Core 29K, interval 348.5 to 352.37 m (core depth below seafloor)

Major lithology: Olive black and black to gray siliceous mudstone and siliceous ooze with pumice clasts, intermixed ash, intermixed coarse grains, and color banding/patches (Sec 1 and Sec 2).

Minor lithology: Grayish Olive siliceous mudstone with mottled texture, intermixed pebbles and pyritized pebbles (Sec 3).

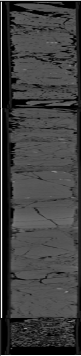
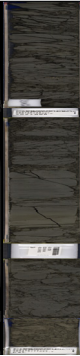
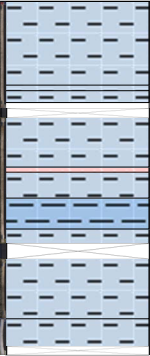
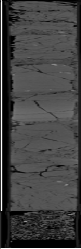
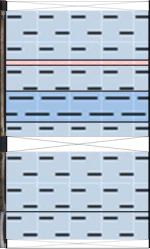
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
349.0	100	1									
350.0	200	2									PP, SS, PMAG, CARB, XRD, XRF
351.0	300	3									SS, IMP, PMAG, PWVD, HS, IW, PMAG, PP
352.0		CC									PAL

Hole C0019J Core 30K, interval 358.5 to 361.09 m (core depth below seafloor)											
Major lithology: Olive black siliceous mudstone with minor clay and ash, minor syn-sedimentary (?) faulting.											
Minor lithology: Olive gray silty mud almost completely disrupted by drilling (CC).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
359.0	100	1									PP
360.0	200	2									PMAG HS
361.0		CC									CARB,XRD,XRF PP IW SS PAL

Hole C0019J Core 31K, interval 368 to 371.515 m (core depth below seafloor)

Major lithology: Olive black siliceous ooze and siliceous mudstone, with a thin ash layer, pyritized, burrowing, and mild bioturbation.

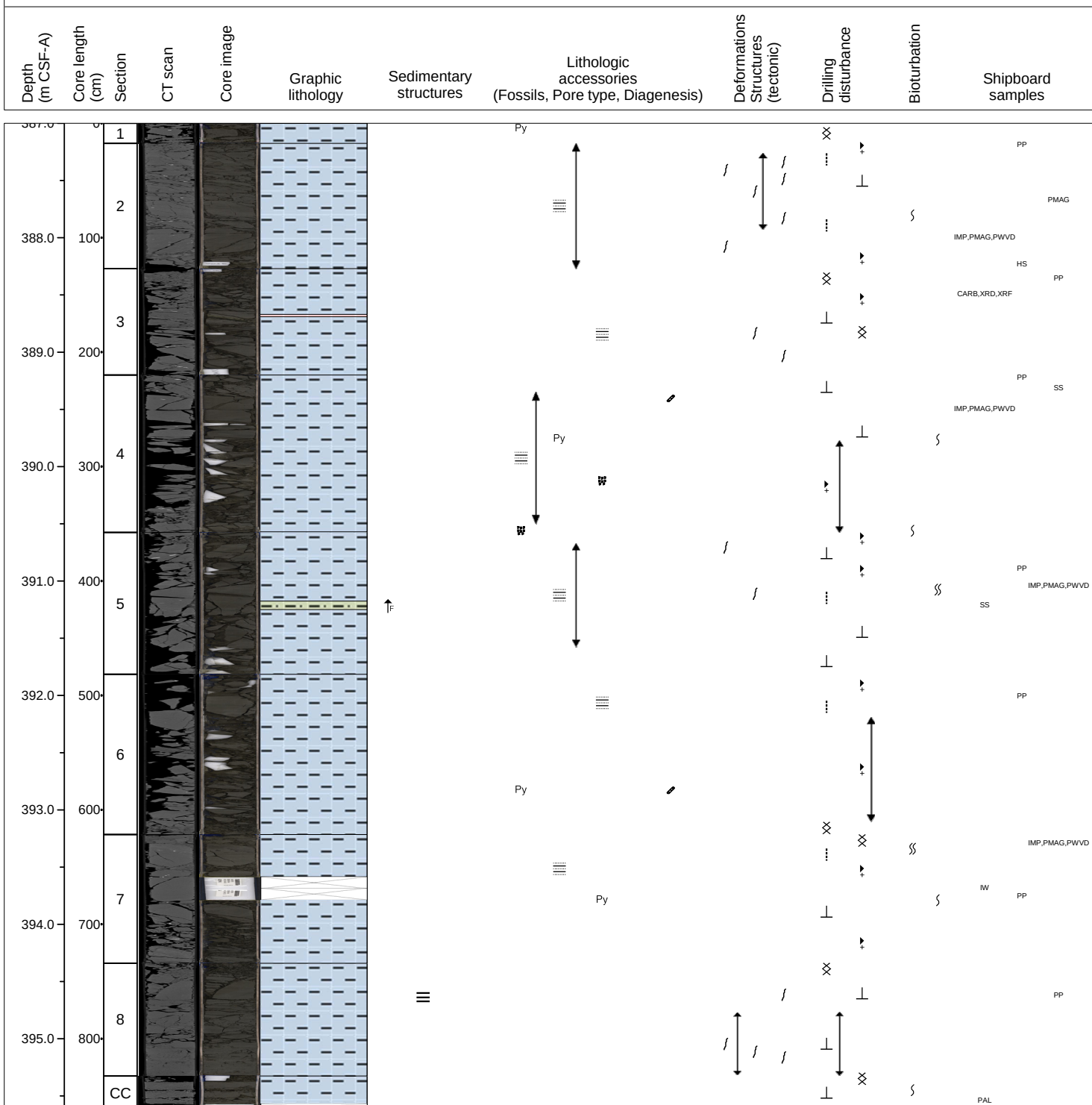
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
368.0	0										
	100	1					Py				CARB,XRD,XRF SS PP
369.0		2									IMP,PMAG,PWVD
370.0	200										IW PP HS
	300	3					Py				PP PMAG
371.0		CC									PAL

Hole C0019J Core 32K, interval 377.5 to 379.805 m (core depth below seafloor)											
Major lithology: Olive-black mud with minor ash and bioturbation											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
378.0	100	1				≡	Ⓟ	/ / / / /	⊥ ⊗	∞	PP PMAG
379.0	200	2				≡	Py ⦿	/ / /	⊥ ⊥ ⊥	∞	HS CARB,XRD,XRF IMP,PMAG,PWVD SS
		CC						/	⊥ ⊗		IW PP PAL

Hole C0019J Core 33K, interval 387 to 395.62 m (core depth below seafloor)

Major lithology: Olive black siliceous ooze and siliceous mudstone, with minor ash and bioturbation -silty material with pyrite, green color banding that changes dip, bioturbation, and slight disturbances.

Minor lithology: Olive Black silty - siliceous ooze material with intermixed pumice and pyrite, slight bioturbation, and ash (Sec 4). Olive Black - Brown siliceous mudstone with possible alterations, green color banding, and bedding (?) (Sec 8).



Hole C0019J Core 34K, interval 396.5 to 400.345 m (core depth below seafloor)											
Major lithology: Olive black siliceous mudstone with wispy color banding, pyritized burrows, high angle color banding, squashed pumice and small pebbles.											
Minor lithology: Additionally, olive black siliceous ash and siliceous mudstone, with slump fracture (Sec 3 71- 81.5 cm), coarse layers, slumped with dark seams (Sec 3 and CC).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
397.0	100	1									PMAG
											PP
398.0		2					Py				HS
											PP
											IW
399.0	200										SS
											PP
399.0	300	3									SS
											CARB,XRD,XRF
400.0		CC									SS
											PAL

Hole C0019J Core 35K, interval 406 to 410.805 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone highly disturbed, intermixed ash, dark flecks, squashed clasts, pumice, colour banding (Sec 1 to Sec 3).

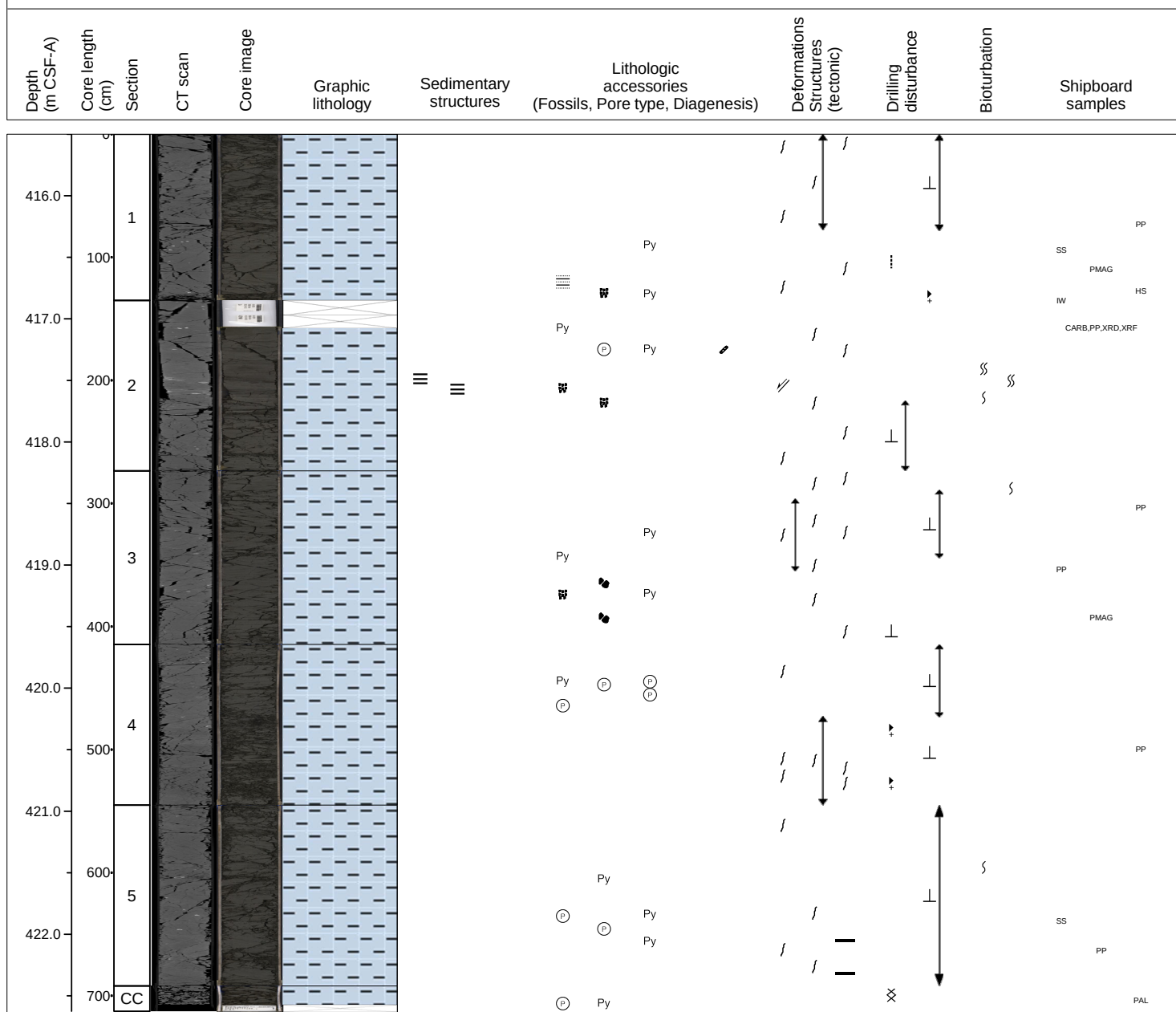
Minor lithology: Gray to Olive Black siliceous mudstone and ashy mudstone with green color banding (Sec 4).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
406.0	0										
	100	1									IMP, PMAG, PWVD PP
407.0		2									PP CARB, XRD, XRF PMAG
408.0	200	3									RW PP IMP, PMAG, PWVD SS
409.0	300										HS SS
410.0	400	4									PP
		CC									PAL

Hole C0019J Core 36K, interval 415.5 to 422.625 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with pumice clasts (some pyritized) and bioturbation.

Minor lithology: Olive black mud with a mottled texture, moderate drilling disturbance conceals some features, green high angle colour banding (Sec 1).



Hole C0019J Core 37K, interval 425 to 428.27 m (core depth below seafloor)											
Brittle fracures develop throughout the core.											
Fractured olive black silty claystone with steepy dipping silt beds.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
425.0	0										PP SS
		1					Py	/ /	...		PMAG
426.0	100										SS
		2							...		CARB,XRD,XRF,PMAG
											SS PP
427.0	200					≈		—	...		HS
		3							...		IMP,PMAG,PWVD
									...		PP SS
428.0	300	CC							+		IW
											PAL

Hole C0019J Core 38K, interval 434.5 to 440.195 m (core depth below seafloor)										
Olibe black silty-clay stone with color banding steeply dipping.										
Highly fractured interbedded ash layer.										
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Shipboard samples
435.0	100	1								SS CARB,XRD,XRF pp IMP,PMAG,PWVD
436.0	200	2								PP PMAG
437.0	300	3								HS IMP,PMAG,PWVD pp IW
438.0	400	4								SS PP
439.0	500	5								PP
440.0		CC								PAL

Hole C0019J Core 39K, interval 444 to 446.425 m (core depth below seafloor)											
Summary: Silty claystone and clayey siltstone highly fractured interval due to drilling disturbance.											
Structures: Scattered pumice, color banding.											
Munshell color: 5Y 3/2											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
444.0	0										
		1									
445.0	100										
		2									
446.0	200										
		CC									

Hole C0019J Core 40K, interval 453.5 to 463.04 m (core depth below seafloor)

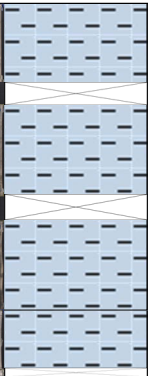
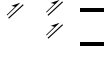
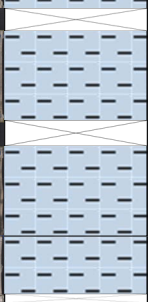
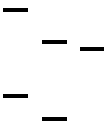
Summary: Olive black (7.5Y 3/2) bioturbated silty clay stone with steep dipping color banding, silt patches and burrows.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
454.0	100	1					Py				PP
455.0	200	2					Py				IMP, PMAG, PWVD
456.0	300	3					Py				HS
457.0	400	4					Py				PMAG, PP
458.0	500	5					Py				IMP, PMAG, PWVD SS
459.0	600	6					Py				PP
460.0	700	7					Py				PP
461.0	800	8					Py				CARB, PMAG, XRD, XRF
462.0	900										IMP, PMAG, PWVD
463.0		CC									PAL

Hole C0019J Core 41K, interval 463 to 467.22 m (core depth below seafloor)

Summary: Olive black (7.5Y 3/1) silty claystone to clayey siltstone. with steeply dipping and overturned sand layer and dark green bandings.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
463.0	0										
	100	1					Py				IMP, PMAG, PWVD CARB, XRD, XRF pp
464.0	200	2									HS PMAG SS SS SS
465.0	300	3									PP IMP, PMAG, PWVD pp
466.0	400	4									PP PMAG
467.0		CC									PAL

Hole C0019J Core 42K, interval 473 to 475.43 m (core depth below seafloor)											
Summary: Olive black biotiurbated silty claystone.											
Sturctures: Finging sequence, ash patches and color bandings.											
Munshell color: 7.5Y 3/1 and 2/1											
Features: Beddings are likely subvertial to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparant at where colour banding appear and/or patches with coares particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or propeties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
473.0	0	1									PMAG HS PP IW
474.0	100	2									SS IMP, PMAG, PWVD CARB, XRD, XRF
475.0	200	CC									PP PAL

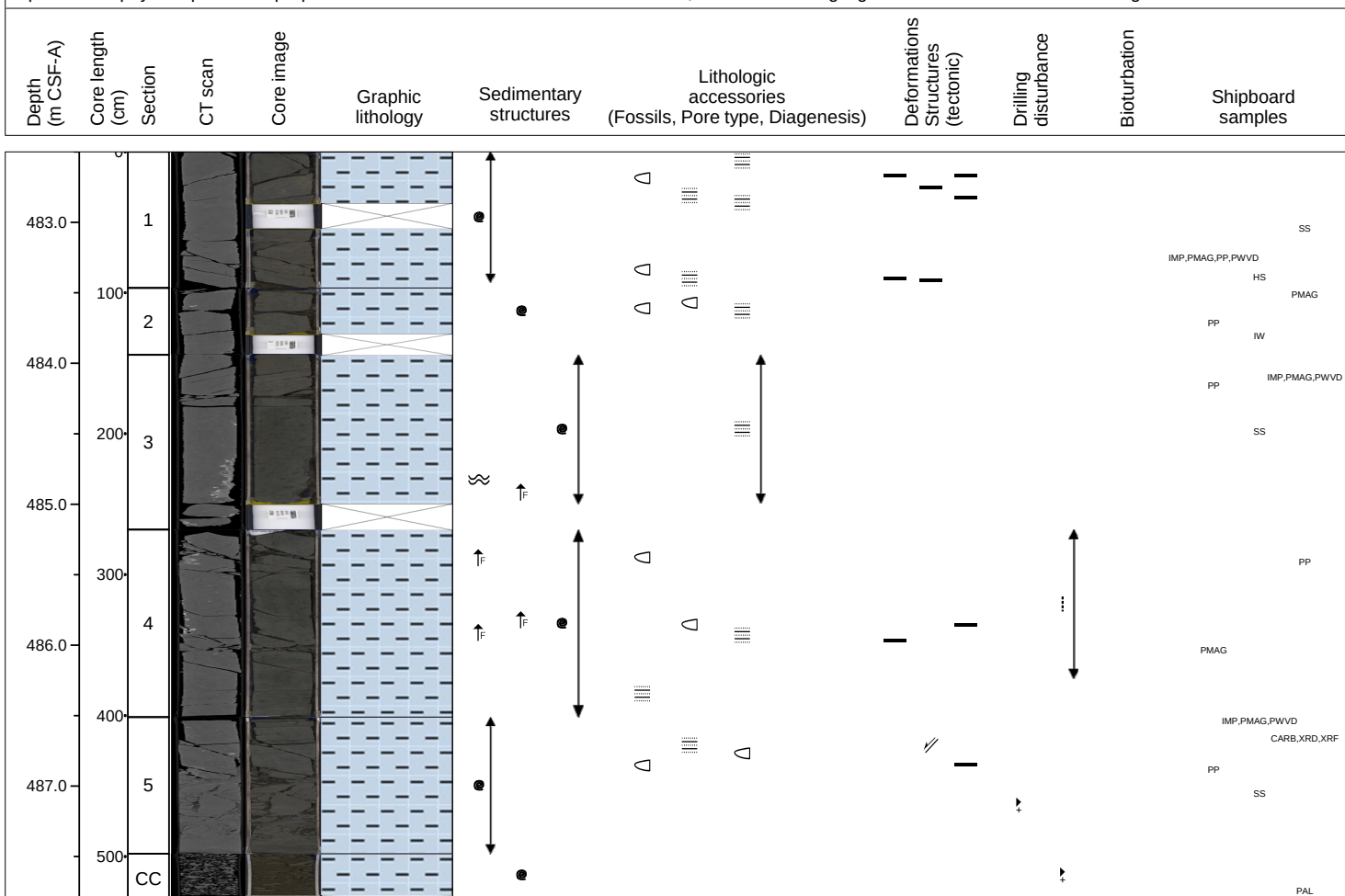
Hole C0019J Core 43K, interval 482.5 to 487.83 m (core depth below seafloor)

Summary: Olive black bioturbated silty claystone.

Structures: Fingering sequence, ash patches and color bandings.

Munshell color: 7.5Y 3/1 and 2/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparent at where colour banding appear and/or patches with coarser particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or properties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.



Hole C0019J Core 44K, interval 492 to 495.82 m (core depth below seafloor)

Summary: Olive black bioturbated silty claystone with deformed ash layers and patches.

Structures: Fingering sequence, ash patches and color bandings.

Munsell color: 7.5Y 3/1 and 2/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparent at where colour banding appear and/or patches with coarser particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or properties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
492.0	0										
493.0	100	1					Py Py		×		IMP, PMAG, FWVD
									×		CARB, XRD, XRF
									+		PP SS
											HS IW
											PP PMAG
494.0	200	2									
495.0	300	3									
									×		PP PMAG
									+		PAL
		CC							+		

Hole C0019J Core 45K, interval 501.5 to 504.505 m (core depth below seafloor)											
Summary: Olive black bioturbated silty claystone with scattered pumice.											
Sturctures: Finging sequence, ash patches and color bandings.											
Munshell color: 7.5Y 3/1 and 2/1											
Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparant at where colour banding appear and/or patches with coares particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or propeties can be found within the intervals. Instead, it was used to highligt the vertical to subvertical bedding.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
502.0	1										PP IMP,PMAG,PWVD
100											IW HS
503.0	2										PMAG PP CARB,XRD,XRF
200											IMP,PMAG,PWVD
504.0	3										SS
300	CC										PP PAL

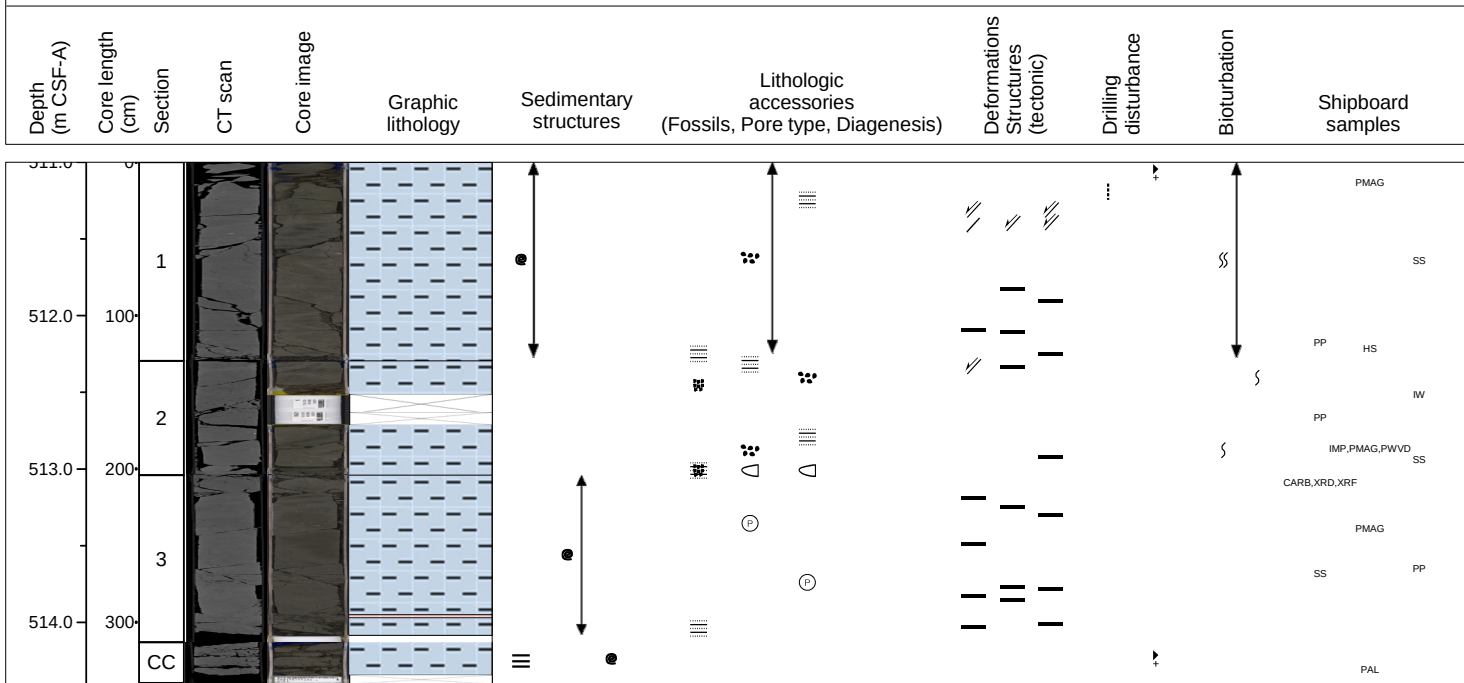
Hole C0019J Core 46K, interval 511 to 514.395 m (core depth below seafloor)

Summary: Gray clayey siltstone claystone with intervals of dark greenish gray separated by black seams with offsets.

Structures: Bioturbation, mottling, dispersed pumice fragments.

Munsell color: 7.5Y 4/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparent at where colour banding appear and/or patches with coarser particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or properties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.



Hole C0019J Core 47K, interval 520.5 to 523.78 m (core depth below seafloor)

Summary: Deformed olive black silty clayey stone claystone.

Structures: Dark seams, silty to very fine sand patches.

Munsell color: 7.5Y 4/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparent at where colour banding appear and/or patches with coarser particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or properties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
521.0	100	1									SS PMAG PP HS CARB.XRD.XRF IW IMP.PMAG.PWVD
522.0	200	2									PP SS
523.0	300	3									PP SS PMAG
		CC									PAL

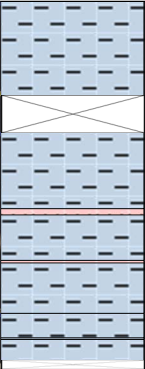
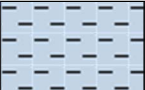
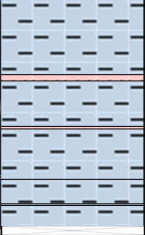
Hole C0019J Core 48K, interval 530 to 532.395 m (core depth below seafloor)

Summary: Olive black clayey siltstone and silty claystone.

Sturctures: Sediment-filled veins, deformed ash layers, patches, dark seams.

Munshell color: 7.5Y 3/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparant at where colour banding appear and/or patches with coares particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or propeties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
530.0	0	1									IMP, PMAG, PWVD CARB, XRD, XRF PP IW HS
531.0	100	2									SS SS PMAG PP PAL
532.0	200	CC									

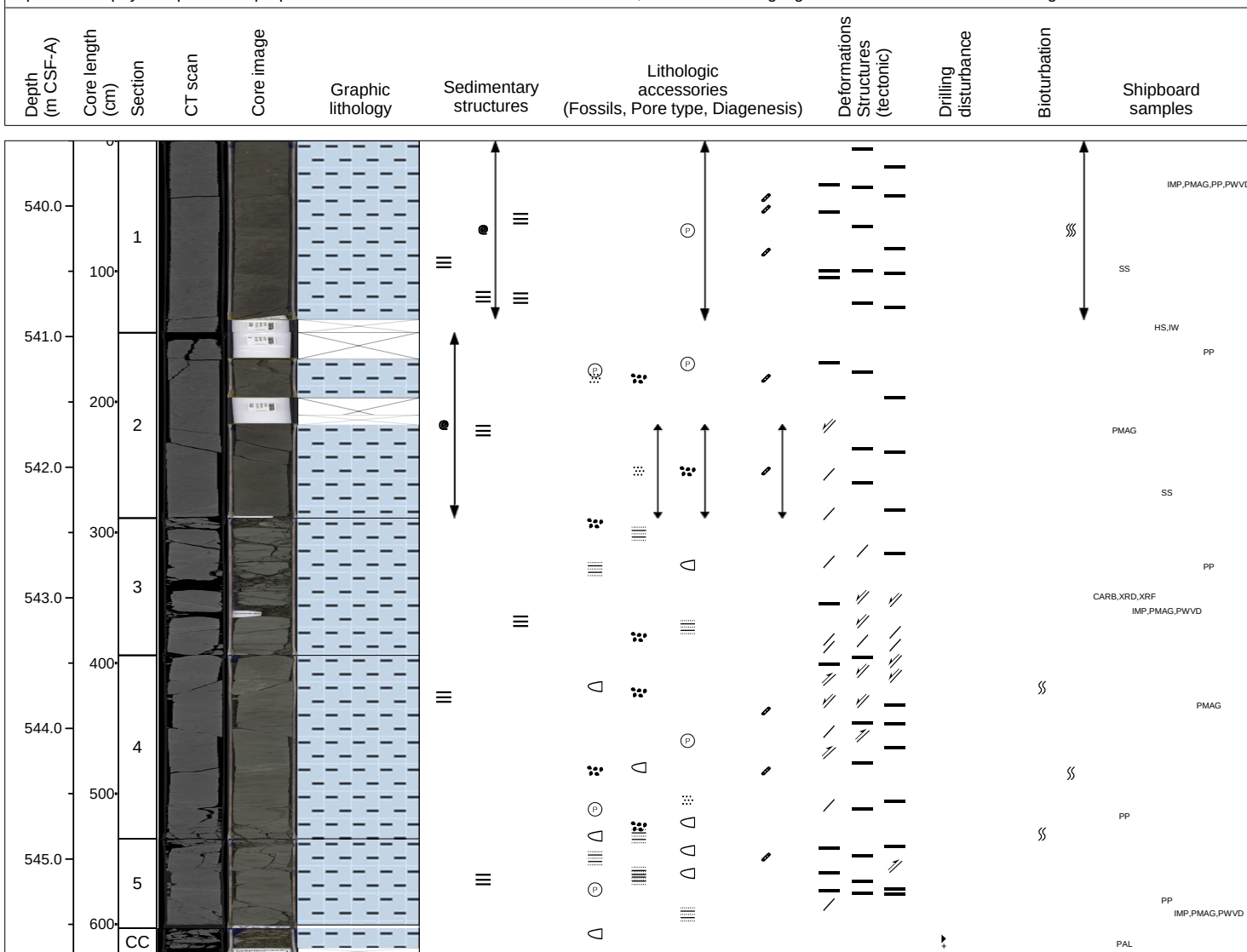
Hole C0019J Core 49K, interval 539.5 to 545.735 m (core depth below seafloor)

Summary: Gray clayey siltstone. The bedding angle becomes flat from the lower part of the third or the upper part of the fourth sections.

Structures: Sediment-filled veins, mottled structures, color banding, ash patches are sheared by dark seams.

Munshell color: 7.5Y 4/1

Features: Beddings are likely subvertical to vertical, so the changes in sedimentary structures are sub-horizontal to horizontal. The subvertical beddings are more apparent at where colour banding appear and/or patches with coarser particles are aligned linearly. Noted that the term *chaotic bedding* used here does not represent no physical pattern or properties can be found within the intervals. Instead, it was used to highlight the vertical to subvertical bedding.



Hole C0019J Core 50K, interval 549 to 553.42 m (core depth below seafloor)

Major lithology: Grey mudstone with ash layer, dark mm scale lamination in places, and heavily burrowed.

Minor lithology: Some evidence of soft sediment deformation (Sec 1). Light grey mudstone at base overlain by light grey ash which is heavily bioturbated (Sec 3 and 4). Top of the section is olive grey mudstone (Sec 4).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
549.0	0										PP IMP, PMAG, PWVD
550.0	100	1									SS PMAG SS
551.0	200	2									HS
552.0	300	3									PP CARB, XRD, XRF PMAG IW RMS
553.0	400	4									IMP, PMAG, PWVD SS PP
		CC									PP SS PAL

Hole C0019J Core 51K, interval 558.5 to 561.655 m (core depth below seafloor)											
Major lithology: Grey mudstone with modelate bioturbation, lots of scattered ash and pumice (Sec 1 and 2).											
Minor lithology: Dark grey to light grey interlaminated mudstone with grey ash interbeds. Quite heavily disturbed due to being from the core catcher (CC).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
559.0	100	1					P	X X X f	f	SS	PP PMAG
560.0	200	2					P	-	f	HS	IMP, PMAG, PWVD
561.0	300	CC									CARB, PP, XRD, XRF
											IW
											PAL

Hole C0019J Core 52K, interval 568 to 571.355 m (core depth below seafloor)											
Major lithology: Gray mudstone with black lamina, ash and pumice.											
Minor lithology: Yellowish gray mudstone with deformed black seam, very fine to fine sand bedding, mottled texture (Sec 2).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
568.0	0										
	100	1									PP
569.0											IMP, PMAG, PWVD
	200	2									PMAG SS
570.0											CARB, XRD, XRF pp
											HS, PP
											SS
571.0	300	3									SS
											PMAG
											PAL

Hole C0019J Core 53K, interval 577.5 to 581.24 m (core depth below seafloor)

Major lithology: Dull yellowish brown ashy mudstone with dull brown intermixed sand-silty layers, fining upward, green to black color banding, scattered pumice.

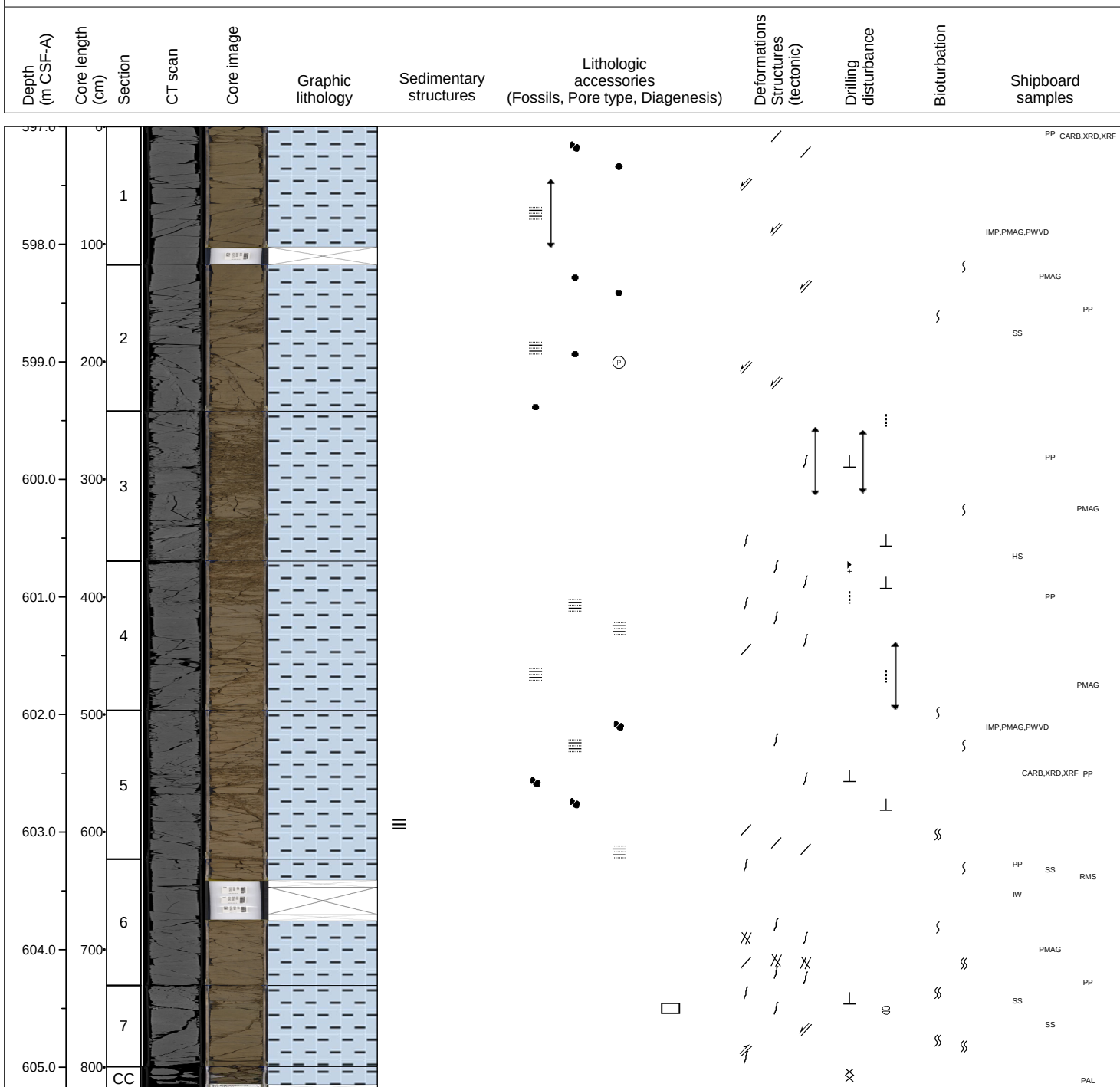
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
578.0	100	1									CARB, PP, XRD, XRF PMAG SS
579.0	200	2									SS SS CARB, XRD, XRF SS IMP, PMAG, PWVD SS SS CARB, XRD, XRF
580.0	300	3									PAL IMP, PMAG, PWVD XRF
581.0		CC									SS PMAG PP HS, PAL CARB, IW, XRD, XRF CARB, PMAG, XRD SS PP SS SS PAL

Hole C0019J Core 54K, interval 587.5 to 589.885 m (core depth below seafloor)											
Major lithology: Yellow/Gray/Brown and olive brown ashy mudstone with a flame structure, silt layering, multicolors with depth, burrowing, and intermixed pumice/ash. Color banding green-brown present.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
588.0	100	1									SS SS SS PMAG
589.0	200	2									IW SS PP IMP, PMAG, PWVD HS CARB, XRD, XRF PP PMAG PAL SS

Hole C0019J Core 55K, interval 597 to 605.2 m (core depth below seafloor)

Major lithology: Olive brown ashy mudstone, with black patches (burrows), large variation in volcanoclastic and siliciclastic component.

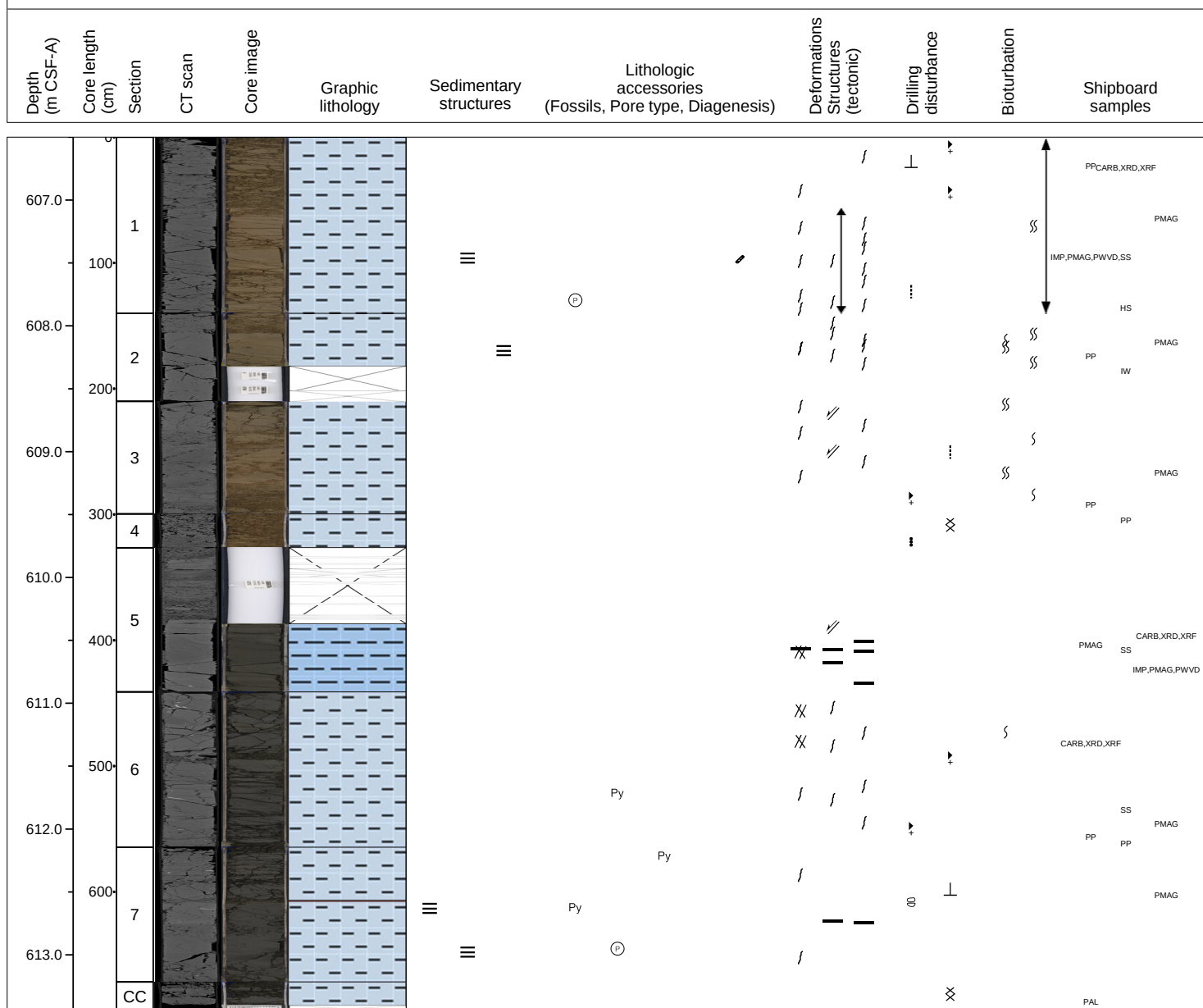
Minor lithology: Olive brown siliceous ooze with mild bioturbation, possible deformation bands (Sec 6), calcite vein, and black patches/burrows (Sec 7).



Hole C0019J Core 56K, interval 606.5 to 613.455 m (core depth below seafloor)

Major lithology: Olive brown mudstone (mostly ashy mudstone) with variable bioturbation throughout.

Minor lithology: Very fractured as close to fault zone - see Structural section (Sec 5). Olive black siliceous mudstone material, bioturbated in places, pyritized burrows and pumice (from Sec 6).



Hole C0019J Core 57K, interval 616 to 624.63 m (core depth below seafloor)

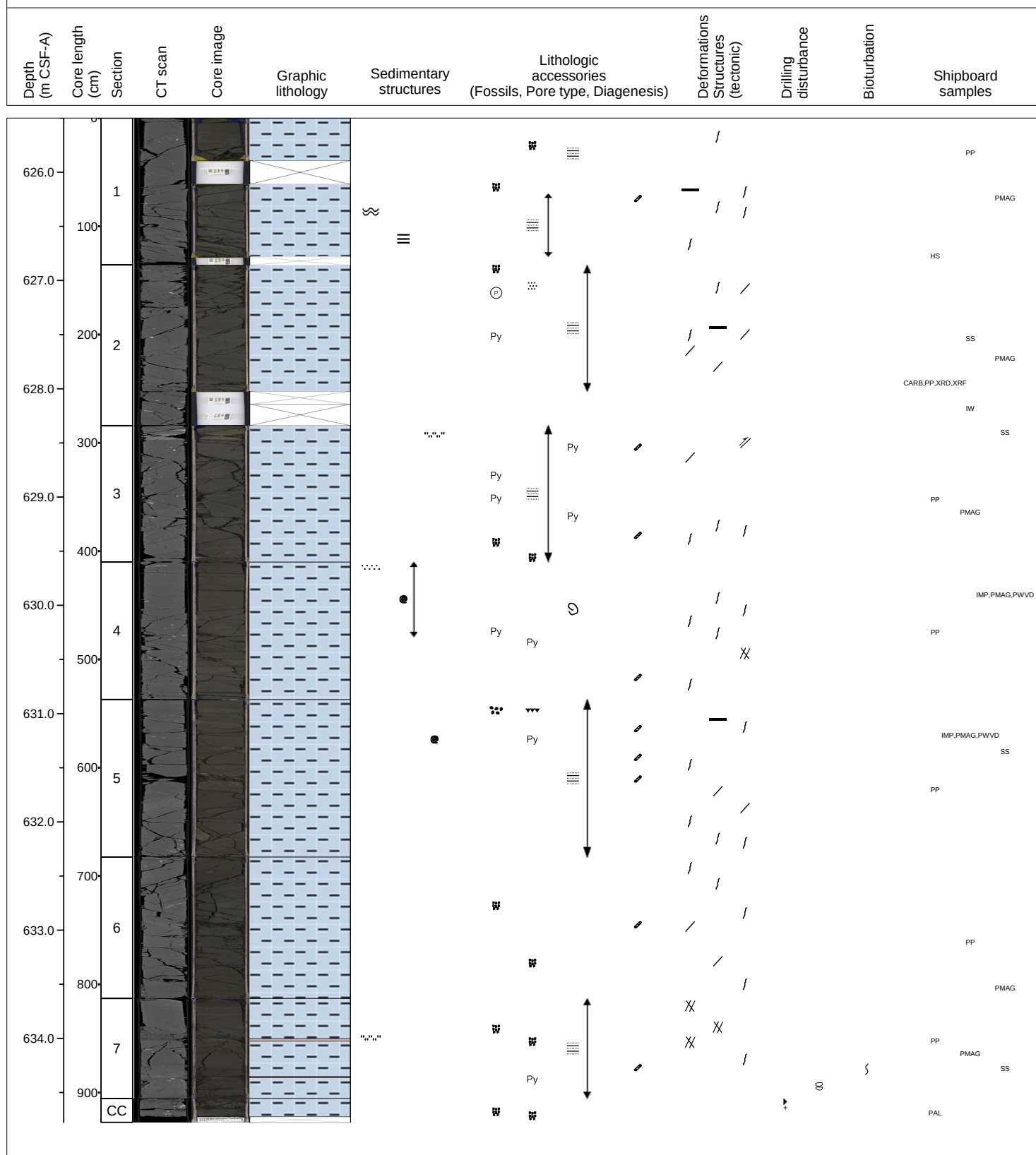
Major lithology: Olive black siliceous mudstone with subtle green banding of black lamination, pyritized burrows, inverse grading, pumice clasts, convolute bedding, high angle laminae, bioturbation, intermixed ash, and horizontal lamina sections.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
616.0	0										
617.0	100	1					Py				PP
618.0	200	2					Py				SS IMP,PMAG,PWVD
619.0	300	3					Py				PMAG
620.0	400	4					Py				PP
621.0	500	5					Py				IMP,PMAG,PWVD
622.0	600	6					Py				CARB,XRD,XRF
623.0	700	7					Py				PP
624.0	800						Py				PP
		CC									PAL

Hole C0019J Core 58K, interval 625.5 to 634.775 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone material with pumice/ash intermixed, green-black banding/alterations, convolute bedding, burrows, and pyritized alterations.

Minor lithology: Olive gray calcareous mudstone material with clay, black-green colorbanding, burrows, pyritized pebbles, and pumice (Sec 3).

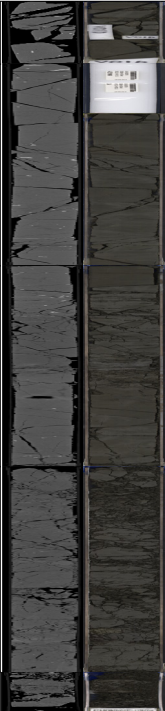
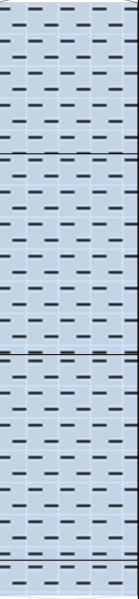
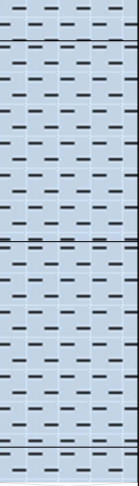
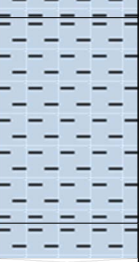


Hole C0019J Core 59K, interval 635 to 639.135 m (core depth below seafloor)											
Major lithology: Olive black mudstone with green-black color banding, pumice, ash intermixed.											
Minor lithology: Dull orange mudstone with sandy-silty sections, sub vertical bedding, black deformation bands, many colors, green-black color banding, fining upward grains (Sec 1). Olive gray calcareous ooze with folding ashy faults (Sec 2 and 3).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
635.0	0	1									PALW IMP, PMAG, PWVD CARB, XRD, XRF HS SS IW PP
636.0	100	2					Py				PALW PALW CARB, XRD, XRF PMAG, SS
637.0	200	3					Py				PP PMAG
638.0	300	4					Py				PP
639.0	400	CC									PAL

Hole C0019J Core 60K, interval 644.5 to 648.615 m (core depth below seafloor)											
Major lithology: Olive black mudstone with high disturbance, slight bioturbation, green-black color banding/alterations, ash, soft deformation.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
645.0	100	1									PMAG
											PP
646.0	200	2									HS
											PMAG
											PP
647.0	300	3									IW
											CARB,SS,XRD,XRF
648.0	400	CC									IMP,PMAG,PWVD
											PP
											CARB,SS,XRD,XRF
											PAL

Hole C0019J Core 61K, interval 654 to 658.655 m (core depth below seafloor)

Major lithology: Olive black mudstone with disseminated pumice, pyritized clasts, some isolated burrows/bioturbation, and some deformation bands throughout.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
654.0	0	1					Py				PP
655.0	100	2					Py				IW PMAG SS
656.0	200	3					Py				IMP, PMAG, PWVD CARB, XRD, XRF
657.0	300	4					Py				PP HS
658.0	400	CC									PMAG PP PAL

Hole C0019J Core 62K, interval 663.5 to 669.73 m (core depth below seafloor)

Major lithology: Olive gray to olive black siliceous mudstone material with bioturbation, bedding, convolute laminae, and calcareous clasts - probable slump deposit.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
664.0	100	1					Py				PP CARB.XRD.XRF
665.0	200	2					Py				SS PMAG PP
666.0	300	3									PMAG HS
667.0	400	4									PP SS PMAG IW PP
668.0	500	5					Py				IMP.PMAG.PWVD
669.0	600	6									PP PMAG SS PP
CC											PAL

Hole C0019J Core 63K, interval 673 to 678.995 m (core depth below seafloor)											
Major lithology: Olive black mudstone with moderate bioturbation and mottling throughout, occ. , pyritized burrows.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
673.0	0										PALW
		1					Py	/ —		↕	PALW
674.0	100						Py	f f —		§§	CARB,XRD,XRF
		2					Py	f f X		↕	SS
675.0	200					≈		f f		↕	PMAG
		3				↑ _F		f —			PP HS
676.0	300					≡		f —		§	PMAG
		4				≡	Py	f f +			PP SS
677.0	400							f f			PMAG PP
		5						f + ∞ ∞			PP IW
678.0	500					≈	Py	f ⊥		§	PAL
		CC						X			

Hole C0019J Core 64K, interval 682.5 to 688.62 m (core depth below seafloor)

Major lithology: Olive-black mudstone, convolute bedding through most of the core, some of which is offset by possible syn-depositional (soft-sediment) faulting, variable bioturbation.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
683.0	100	1									CARB_XRD,XRF
684.0	200	2					Py				PMAG
685.0	300	3									HS PP
686.0	400										PP
687.0	500	4					Py				SS
688.0	600	5									PP
		CC									PMAG
											PP
											IW
											IMP,PMAG,PWVD
											SS
											PP
											SS
											PAL

Hole C0019J Core 65K, interval 692 to 698.375 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with green-black color banding/alterations, slight bioturbation and burrows.

Minor lithology: Gray to Olive black clay layer (Sec 1 103-110cm, Sec 2 103-110 cm). Squashed pumice layer, crystal filled fracture sections.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
692.0	0										
693.0	100	1									SS
694.0	200	2									PP HS PMAG PP
695.0	300	3									PMAG
696.0	400	4									CARB.XRD,XRF PP IW
697.0	500	5									SS PP IMP,PMAG,PWVD
698.0	600	CC									PP SS PMAG PAL

Hole C0019J Core 66K, interval 702 to 705.66 m (core depth below seafloor)

Major lithology: Olive black to black siliceous mudstone with high-angle black bedding and color banding, some pumice layers, and bioturbation.

Minor lithology and specify features: Highly disturbed olive black, subangular disaggregated pieces with pumice and clay intermixed (Sec 1). Ash layer (Sec 3 84-93 cm). Black mudstone with color banding/deformation (Sec 4).

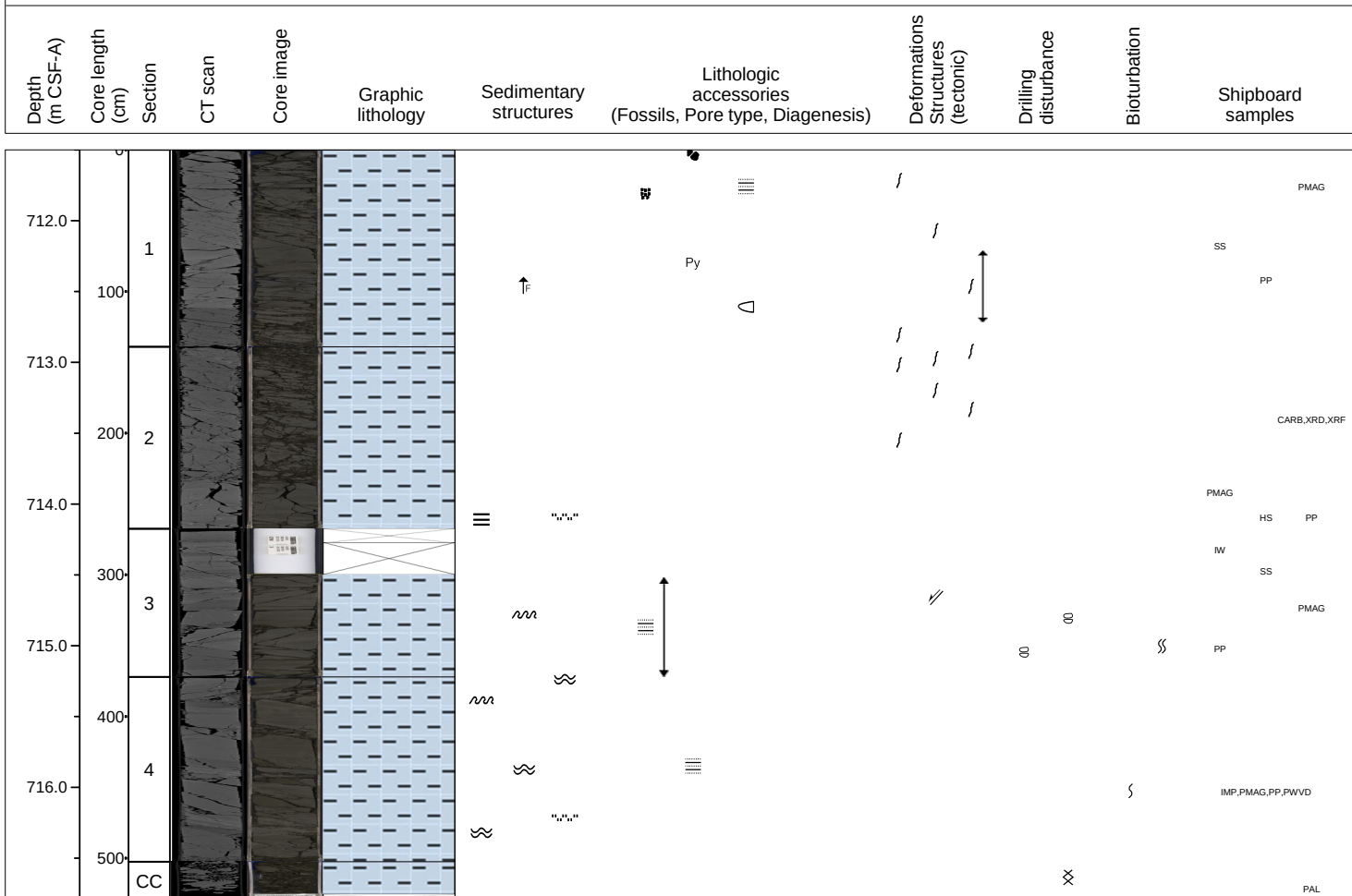
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
702.0	0	1									
703.0	100	2					Py				HS IMP, PMAG, PWVD SS
704.0	200	3									PP IW PMAG PMAG _{CARB, XRD, XRF} PP SS
705.0	300	4									
		CC									PAL

Hole C0019J Core 67K, interval 711.5 to 716.805 m (core depth below seafloor)

Mass Transport Deposits(MTD)

Major lithology: Olive black mudstone with slight bioturbation, subhorizontal to medium-angle wavy laminae and bedding which are composed of the coarser sandstones, wispy black bands, and wispy disseminated ash (+slumping structure).

Minor lithology: Granule grade clasts of black material(Sec 1). Heavily disturbed from drilling(Sec 2). Slumping(Sec 3 64-70 cm, Sec 4 10-22 cm).



Hole C0019J Core 68K, interval 721 to 724.525 m (core depth below seafloor)

Mass Transport Deposits(MTD)

Major lithology: Olive black siliceous mudstone with medium-angle wispy bedding and significant bioturbation throughout.

Minor lithology: An inclined band of grayish olive mudstone (Sec 1at 10-20 cm). Band of greenish olive mudstone (inclined). Inclined bedding (Sec 2 at around 13-25cm). Convolute laminations in places (Sec 3 at ~30-70 cm).

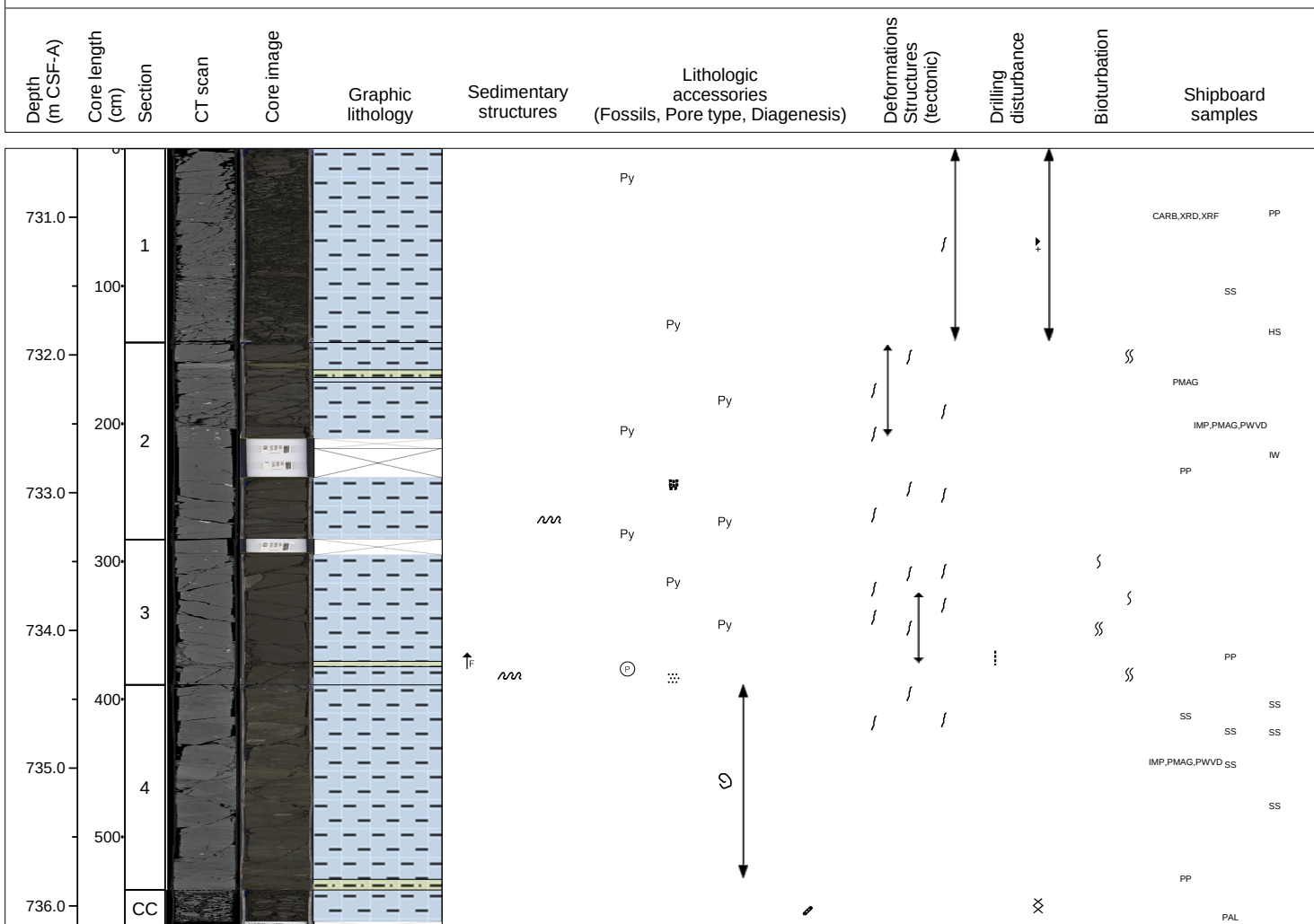
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
721.0	0	1									
722.0	100	2									PMAG SS PP HS
723.0	200	3									PP CARB,XRD,XRF,PMAG IW
724.0	300	CC									IMP,PMAG,PWVD PP PAL

Hole C0019J Core 69K, interval 730.5 to 736.165 m (core depth below seafloor)

Mass Transport Deposits(MTD)

Major lithology: Olive black siliceous mudstone with convolute bedding, medium to high angle bedding w/pyritized and/or aligned burrows. Completely obscured by drilling brecciation (Sec 1).

Minor lithology: Muddy silt (coarser than major lithology; Sec 2 19.8 cm). Greenish olive calcareous mudstone (probably a clast; Sec 2 25.3 cm). Conglomerate, with a range of sub-rounded to angular clasts up to 20 cm diameter, in a muddy matrix. Clasts include a range of marine sedimentary rocks, similar to those observed in the units above, but also a small chert granule, among other rock types. This is interpreted as a muddy debris (Sec 4).



Hole C0019J Core 70K, interval 740 to 744.905 m (core depth below seafloor)

Major lithology: Olive black siliceous mudstone with scattered pumice clasts throughout, color banding, bioturbation.

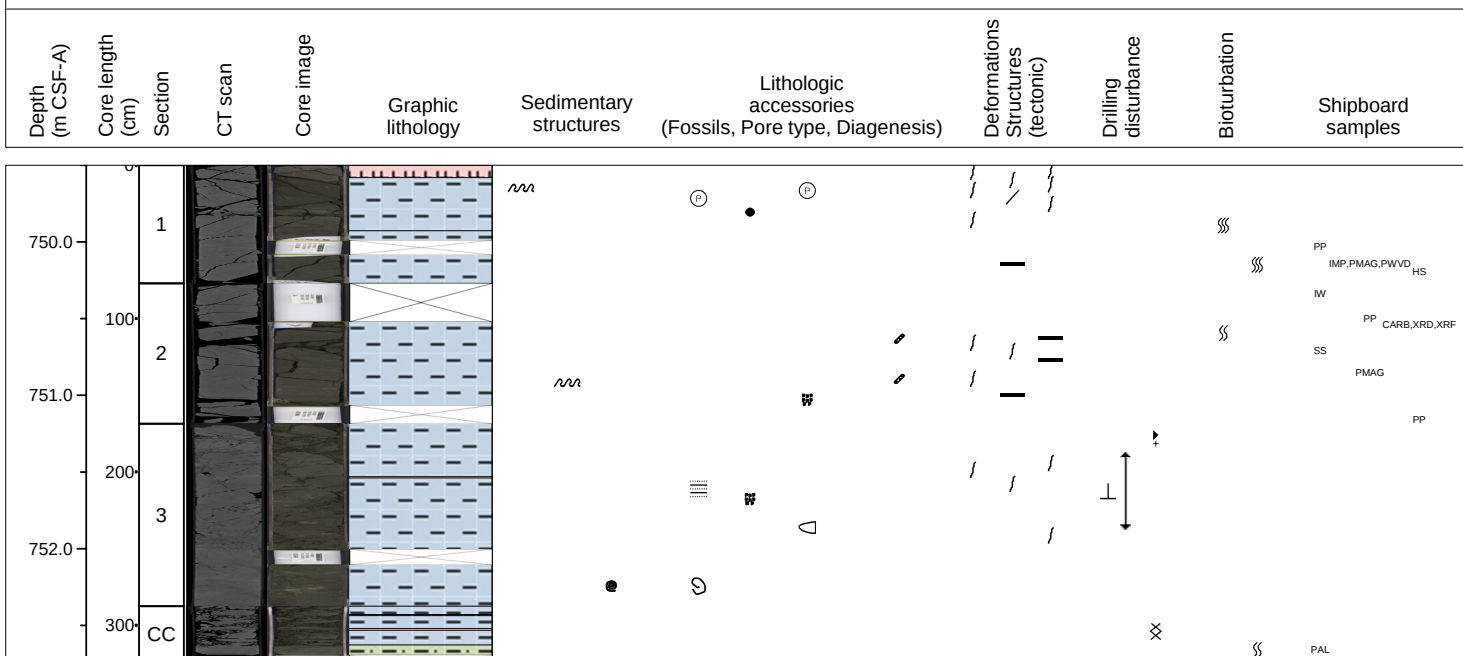
Minor Lithology: Occasionally features significant convolute and overturned bedding, indicative of slumping.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
740.0	0										
	100	1									IMP, PMAG, PWVD
741.0											PP HS
		2									IW PP CARB, XRD, XRF
742.0	200										PMAG
		3									SS
743.0	300										PMAG PP
		4									SS
744.0	400										PP
		CC									PAL

Hole C0019J Core 71K, interval 749.5 to 752.745 m (core depth below seafloor)

Major lithology: Olive black and gray siliceous mudstone with color banding (greenish gray and brown) mainly in burrows, silt bedding and convolute bedding - slump.

Minor lithology: Conglomerate with squashed ash clasts/layers, often altered to chlorite (Sec 3 form 92.3 cm).



Hole C0019J Core 72K, interval 759 to 763.205 m (core depth below seafloor)

Major lithology: Olive black mustone with wavy or convolute bedding with black-green colour banding, intermixed ash, crystallised granules, pebbles, pumice and bioturbation.

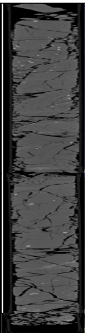
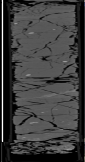
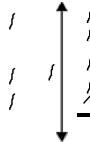
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
759.0	0										
760.0	100	1									PP SS IMP, PMAG, PWVD
761.0	200	2									HS PP
762.0	300	3									PMAG SS CARB, XRD, XRF PP
763.0	400	CC					Py				PMAG SS IW SS PAL

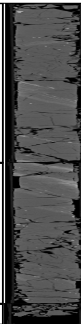
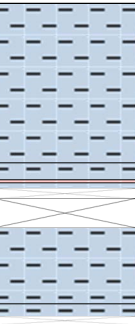
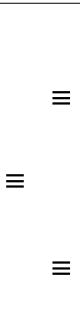
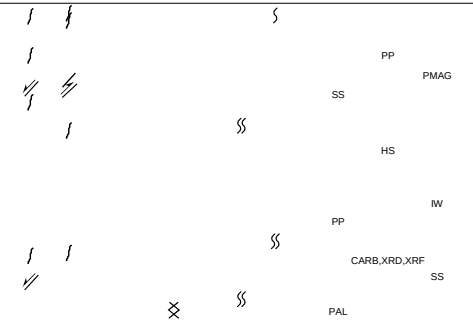
Hole C0019J Core 73K, interval 768.5 to 775.83 m (core depth below seafloor)

Major lithology: Olive black - olive gray mudstne material with bioturbation, green-black colour banding, coarse laering, squashed or pyritized pumice and ash intermixed.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
769.0	100	1									PP SS PMAG PMAG
770.0	200	2					Py				HS IMP, PMAG, PWVD PP SS
771.0	300	3					Py				SS IMP, PMAG, PWVD
772.0	400	4					Py				IMP, PMAG, PWVD SS PP CARB, XRD, XRF IW
773.0	500	5					Py				PP PMAG
774.0	600	6					Py				IMP, PMAG, PWVD PP
775.0	700	CC					Py				PAL

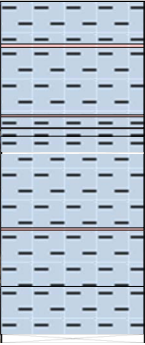
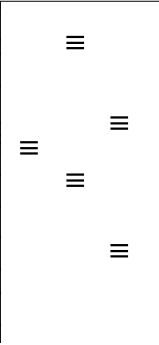
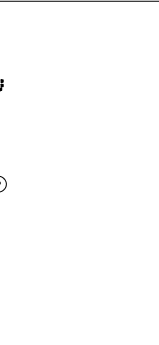
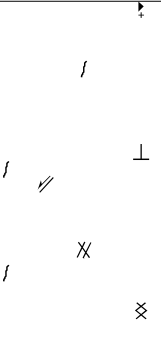
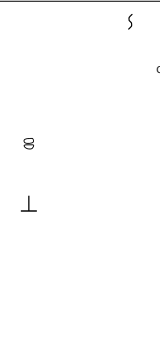
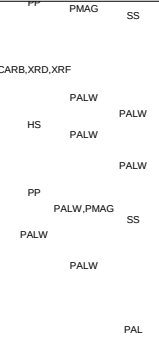
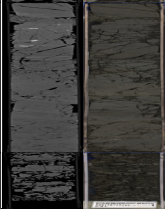
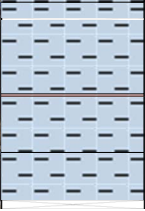
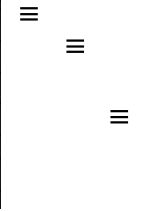
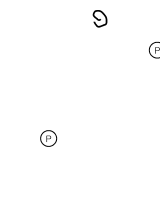
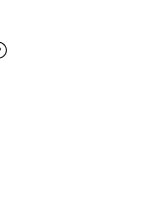
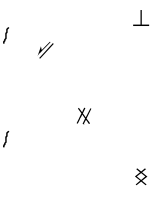
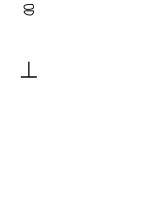
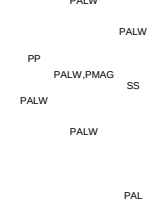
Hole C0019J Core 74K, interval 778 to 784.385 m (core depth below seafloor)											
Major lithology: Olive black mudstone with green-black colour banding/alterations, pyritizing pumice clasts, bioturbation patches.											
Minor lithology: Black mudstone with colour banding, bioturbation, pyritized pebbles, coarse laminae (from Sec 5).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
778.0	0										
	100	1					Py	/	:		PMAG
779.0								/			PP
	200	2						/			IMP, PMAG, PWVD
								-			PP CARB, XRD, XRF
780.0								/			IW
										{	PP IMP, PMAG, PWVD
	300	3					Py	f		{ }	PMAG
781.0								f		{ }	PP
	400	4						-			HS PP
782.0								/		{	IMP, PWVD
	500	5						f		{	PP
	600	6					Py	/	⊥	{	PMAG
784.0		CC					Py	//	⊥		
									⊗		PAL

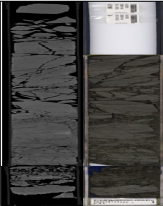
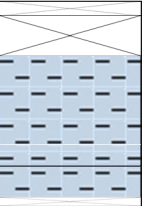
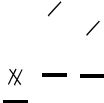
Hole C0019J Core 75K, interval 787.5 to 789.645 m (core depth below seafloor)											
Major lithology: Olive black mudstone with brownish pyriteized clasts and greenish sandy layer.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
788.0	100	1					Py		×		SS PP
789.0	200	2					Py			∞	HS CARB,XRD,XRF SS PP SS PMAG PAL

Hole C0019J Core 76K, interval 792 to 794.095 m (core depth below seafloor)											
Major lithology: Olive black mudstone with faulted patches of silt with laminations at the top - some mild to moderate bioturbation towards top, and green clays.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
792.0	100	1									
793.0		2									
794.0	200	CC									

Hole C0019J Core 77K, interval 795 to 797.445 m (core depth below seafloor)											
Major lithology: Olive black mudstone with coarse (basically sandy) bedding, black-green color banding, bioturbation, pyrite, and some dispersed ash.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
795.0	0										
	100	1					Py				IMP, PMAG, PWVD
796.0											IMP, PMAG, PWVD
	200	2					Py				PP HS PMAG
797.0											SS
		CC									CARB, XRD, XRF
											PP
											PAL

Hole C0019J Core 78K, interval 798 to 800.96 m (core depth below seafloor)											
Major lithology:Olive black mudstone with coarse-fine sand laminae, bioturbation, pumice, and ash layers.											
Minor lithology: Gray ashy mud with laminae.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
798.0	0										
	100	1					Py				IW PP
799.0							Py				SS
	200	2									CARB,XRD,XRF
800.0											IMP,PMAG,PWVD
											SS
											HS
											PP
											PMAG
											PAL

Hole C0019J Core 79K, interval 801 to 803.225 m (core depth below seafloor)											
Major lithology: Olive black mudstone with intermixed sandy laminae, colour banding, pumice and ash.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
801.0	0	1									PMAG SS CARB,XRD,XRF PALW HS PALW PALW PP PALW,PMAG SS PALW PALW PAL
802.0	100	2									
803.0	200	CC									

Hole C0019J Core 80K, interval 804 to 805.33 m (core depth below seafloor)											
Major lithology: Olive black mudstone with intermixed sandy laminae, colour banding, pumice and ash.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
804.0 805.0	100	1 CC									RW PMAG PP CARB,XRD,XRF SS HS PAL

Hole C0019J Core 81K, interval 807 to 809.04 m (core depth below seafloor)											
Major lithology: Dark greenish gray to gray mudstone, darker beds with higher silt content, heavily bioturbated in some areas, mottled olive black mudstone and greenish color banding. Minor lithology: Black mudstone.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
807.0	0										
		1									
808.0	100										
		2									
809.0	200	CC									

Hole C0019J Core 82K, interval 810 to 812.425 m (core depth below seafloor)											
Major lithology: Greenish gray to gray mudstone, extensively bioturbated, significant ash components (ash ebbeds, pumice, dispersed ash).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
810.0	0										
		1									
811.0	100										
		2									
812.0	200										
		CC									

Hole C0019J Core 83K, interval 813 to 816.005 m (core depth below seafloor)											
Major lithology: Gray to gray green mudstone with ash, bioturbation, burrows, color banding and fine sandy laminae.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
813.0	0										PP
		1									PMAG
814.0	100										SS
		2									HS,PP,CARB,XRD,XRF
815.0	200										SS
											PMAG
											SS
816.0	300	CC									IMP,PWVD
											PAL

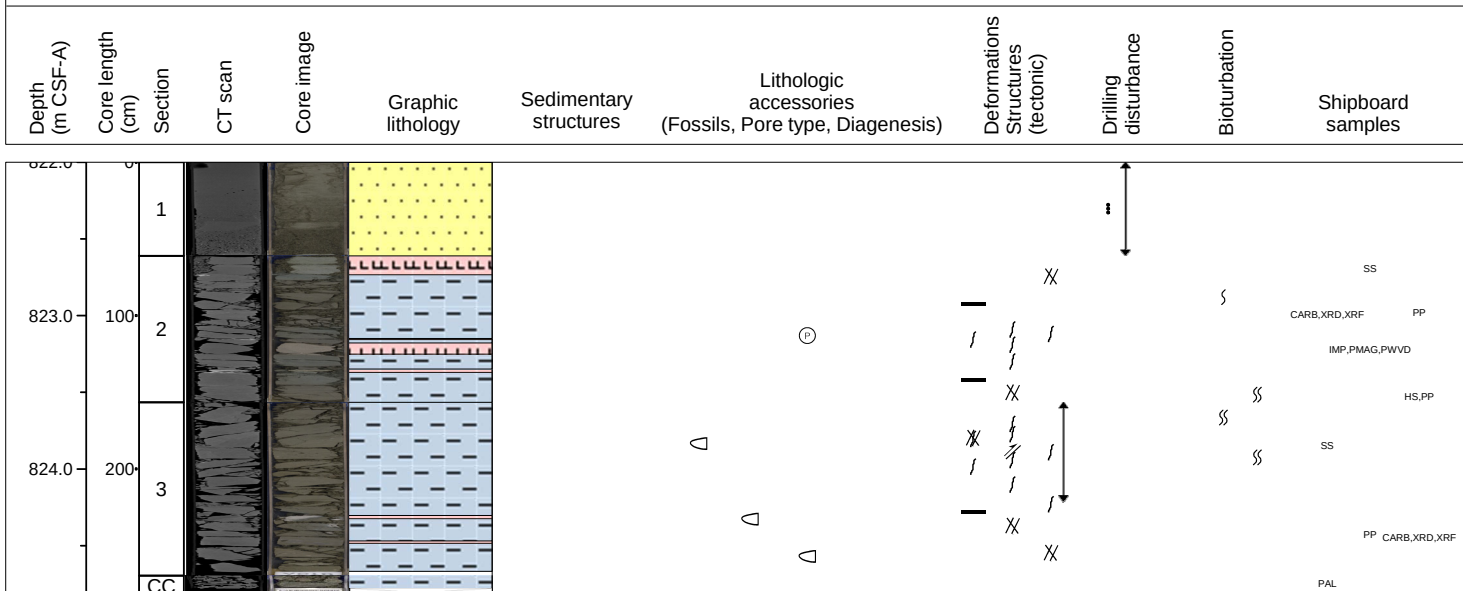
Hole C0019J Core 84K, interval 816 to 818.46 m (core depth below seafloor)											
Major lithology: Gray mudstone with clasts, pyrite, lenses and greenish color banding.											
Minor lithology: Olive black mudstone with moderate bioturbated ash layering.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
816.0	0										
	100	1									
817.0											
	200	2									
818.0											
		CC									

Hole C0019J Core 85K, interval 819 to 821.945 m (core depth below seafloor)											
Major lithology: Greenish gray (occ. bluish gray) to gray mudstone.											
Minor lithology: Abundant veins and mineral filled fractures of a green-blue colour, which are at least partly calcite (Sec 3).											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
819.0	0										
	100	1									SS
											IMP, PMAG, PWVD
820.0	100	2									PMAG
	200	3									CARB, XRD, XRF pp HS
821.0	200										PMAG
											SS SS
											IMP, PMAG, PWVD SS
											PP
											PAL CARB, XRD, XRF
		CC									

Hole C0019J Core 86K, interval 822 to 824.83 m (core depth below seafloor)

Major lithology: Grayish olive loose mudstone at Sec 1 and greenish gray mudstone Sec 2, and dark grayish yellow mudstone with burrows from Sec 3.

Minor lithology: Appears as coarse grained to fine grained sandstone sequence but this is almost certainly fine drilling breccia/material collapsed into the hole (Sec 1). Light brownish ash patch or layer (Sec 2).



Hole C0019J Core 87K, interval 825 to 827.03 m (core depth below seafloor)

Major lithology: Color banded clay and chert.

Detail features: Brown-gray and bluish gray mudstone (0-59 cm), overlying dark brown, orange, yellow and black clays (59-110 cm) and pale yellow, laminated chert. The clay and chert show extensive evidence of shear deformation (Sec 2). Brown gray and bluish gray mudstone(Sec 2).

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
825.0	0	1						X			SS PALW PP
								— X //			PP IW HS PMAG
826.0	100	2									CARB,XRD,XRF SS PALW SS XRD PALW SS XRD
											PP PALW XRD CARB,XRD,XRF SS PALW SS CARB,XRD,XRF
827.0	200	CC				≡ ≡					CARB,XRD,XRF SS PALW

Hole C0019J Core 88K, interval 828 to 829.09 m (core depth below seafloor)											
Rest of section - rubble											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
828.0	0	1									HS,PP SS SS SS
829.0	100	CC									PAL

Hole C0019K Core 1K, interval 815 to 819.595 m (core depth below seafloor)

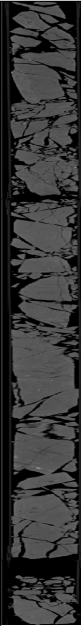
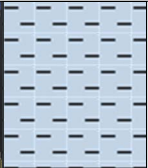
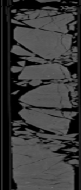
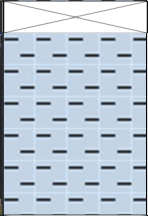
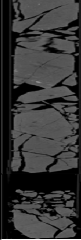
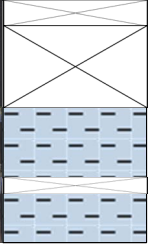
Summary: Olive black mudstone with fining upwards silt bands, and green colour banding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
815.0	0										
	100	1				↑ _F					IMP, PMAG, PWVD
816.0	100	2				↑ _F	Py				PP
817.0	200										HS
	300	3				↑ _F					IV
818.0	300					↑ _F					CARB, SS, XRD, XRF
	400	4				↑ _F	Py				PP
819.0	400					↑ _F	Py				IMP, PMAG, PWVD
		CC									PAL

Hole C0019K Core 2K, interval 820 to 824.21 m (core depth below seafloor)											
Summary: Olive black mudstone with small isolated turbidity currents, burrows, scattered pumice and pyrite .											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
820.0	0					↑ _F	Py Py Py	/			PP
821.0	100	1				↑ _F	Py Py	/		§§	PMAG,PWVD
822.0	200	2					Py Py Py	/			HS
823.0	300	3					Py Py	/		§§	PP, CARB,XRD,XRF
824.0	400	CC						/		§§	SS PP PAL

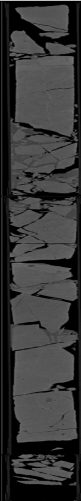
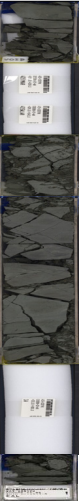
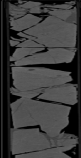
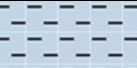
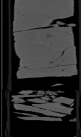
Hole C0019K Core 3K, interval 825 to 827.335 m (core depth below seafloor)											
Summary: Olive black mudstone with small turbidites, pumice dissemination, and some pyrite.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
825.0	0										
		1									SS
											SS
											PP
											W
826.0	100										HS
		2					Py				PMAG
											CARB,XRD,XRF
											PP
827.0	200										IMP,PMAG,PWVD
		CC									PAL

Hole C0019K Core 4K, interval 828.5 to 830.275 m (core depth below seafloor)											
Olive black mudstone with steeply inclined (overturned) and convolute bedding, minor pyrite and bioturbation.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
829.0	1						Py	X		§	IMP, PMAG, PWVBS CARB, XRD, XRF PP HS
100	2							X ◆			SS
830.0						≈		∩		≈	PMAG
						≈		∩		≈	PP SS
	CC					≈					PAL

Hole C0019K Core 5K, interval 830.5 to 832.48 m (core depth below seafloor)											
Summary: Dark greenish grey mudstone, olive black mudstone with some very fine grained sand, some disseminated ash.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
831.0	100	1					⊙ ⊙ ◊ ⚡	/ /			SS PMAG SS
		2					⚡	/ / / / / / / /			HS CARB,PP,XRD,XRF IW
832.0		CC				≡ 	⊙ ⊙	/ /			PAL

[illegible]

Hole C0019K Core 7K, interval 836 to 838.855 m (core depth below seafloor)											
Summary: Grey-green ashy mudstone with LOTS of convoluted and chaotic bedding + .											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
836.0	0							/			
		1				u	•••	/		§	PP
							W	/		§§	
837.0	100							/			
						~	•••	/		§	PALW
								/		§§	PALW
							W				PMAG
											HS
838.0	200	2									CARB,XRD,XRF
							△				SS
											PP
								/			IMP,PMAG,PWVD
		CC				~	Py			§	PAL
						•••••					

Hole C0019K Core 8K, interval 839 to 840.59 m (core depth below seafloor)											
Summary: Dark olive gray to dark greenish gray mudstone, ash patches and moderate bioturbation.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
839.0	0	1									PP
											HS
840.0	100	2									PMAG SS PP CARB,XRD,XRF
		CC									IW PAL

Hole C0019K Core 9K, interval 842.5 to 844.705 m (core depth below seafloor)

Summary: Olive black (5Y 4/2) mudstone highly mottled/marble with scattered pumices and ash filled burrows.

Specific features/structures: Load structure, deformed and sharp mudstone color change, scattered pumice.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
843.0	1										PP
											IMP, PMAG, PWVD
100											CARB, SS, XRD, XRF
											HS
844.0	2										SS
											CARB, XRD, XRF
											PMAG
200											PP
											PAL
	CC										

Hole C0019K Core 10K, interval 845.5 to 847.36 m (core depth below seafloor)

Summary: greenish gray mudstone with chaotic mottled bedding. high inudrated pumice clast with green alteration and scattered pumice. plate boundary appear at this core (section 2). Diverse colour variations and deformation structures developed around the fault zone.

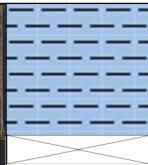
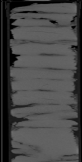
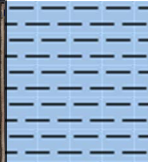
Specific structure/feature: Multiple micro normal faults (in echelon). Scattered ash patches, highly deformed, and oblique.

Munsell color: 10GY 5/1 (greenish gray). Ash patch (5GY 6/1). Olive gray.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
846.0		1									PMAG CARB,XRD,XRF PALW
											IW HS SS
											IMP,PMAG,PP,PWVD
											SS PALW PMAG CARB,XRD,XRF SS
											SS PALW,SS PALW,SS
											PALW,SS PP
											SS SS
											SS SS
											IMP,PWVD CARB,XRD,XRF
											HS,PAL SS CARB,XRD,XRF
847.0		CC									

Hole C0019K Core 11K, interval 848.5 to 850.34 m (core depth below seafloor)											
Summary: Brownish black scaly clay.											
Specific structures/features: Sclay fabric, patches.											
Munshell											
Matrix: Brownish black 5YR 2/1											
Patches: Dull redish brownb 5YR 5/4											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
849.0	1										IMP,PWVD
100	2										PP SS
850.0	CC										IW HS,PP CARB,XRD,XRF PMAG SS PAL SS

Hole C0019K Core 12K, interval 851.5 to 853.765 m (core depth below seafloor)											
Summary: Brownish black scaly clay.											
Specific structures/features: Sclay fabric, patches.											
Munshell Matrix: Brownish black 5YR 2/1 Patches: Dull redish brownb 5YR 5/4											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
852.0		1									IMP,PWVD PP SS
											HS PMAG
100											PP CARB,XRD,XRF
853.0		2									SS
200											
		CC									PAL

Hole C0019K Core 13K, interval 854.5 to 855.98 m (core depth below seafloor)											
Summary: Brownish black to dark reddish brown scaly clay with dull reddish brown patches.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
855.0		1					Δ				IMP, PMAG, PP, PWVD
		2					Δ				HS
	100		CC								
											PAL

Hole C0019K Core 14K, interval 859.5 to 861.795 m (core depth below seafloor)

Summary: Dark reddish brown clay with few dull reddish brown and brownish black clay patches and layers.

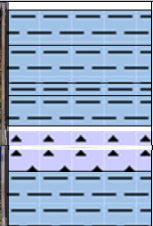
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
860.0	1						Δ	Δ			IMP, PMAG, PWVD
							Δ	Δ	/		PP
							Δ	Δ			CARB, XRD, XRF
							Δ	Δ			SS
							Δ	Δ			
							Δ	Δ			
							Δ	Δ			HS
100							Δ	Δ			CARB, XRD, XRF
							Δ	Δ			IMP, PMAG, PP, PWVD
							Δ	Δ			SS
								/			
								/			
								/			
								/			XRD, XRF
								/			PMAG
								/			
							Δ	Δ			
200											
	CC										PAL

Hole C0019K Core 15K, interval 862 to 866.415 m (core depth below seafloor)

summary: Massive brownish black clay with scattered patches, dots and inclined contact of oxidised clay.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
862.0	0										PP IMP, PMAG, PWVD
		1					Δ	/	/		
863.0	100						Δ	/	/		PMAG
							Δ	/	/		SS
							Δ	/	/		
							Δ	/	/		
							Δ	/	/		HS
							Δ	/	/		CARB, XRD, XRF IMP, PMAG, PWVD PP
											IW
864.0	200	2						/	/		SS
								/	/		
865.0	300							/	/		
								/	/		
		3					Δ	/	/		IMP, PMAG, PP, PWVD
							Δ	/	/		SS
								/	/		
866.0	400						Δ				
		CC					Δ				PAL
											SS

Hole C0019K Core 16K, interval 868 to 871.135 m (core depth below seafloor)											
Summary: Brownish black clay with reddish brownish patches and layers.											
Specific structures/features: Patches and color banding.											
Munshell Matrix: 5YR 2/1 Patches: 5YR 3/3 Banding; 5YR 2/2, 7/1, 2/1											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
868.0	0										
	100	1						/			PP CARB,XRD,XRF PMAG
869.0								/ /			
	200	2						/ /			
870.0								/			HS
	300	CC						/			
871.0								/			SS
								/			PP CARB,IMP,PMAG,PWVD,XRD
								/			SS PAL

Hole C0019K Core 17K, interval 873 to 873.715 m (core depth below seafloor)											
Summary: Various color-banded clay with fragmented chert due to drilling disturbance.											
Specific structures/features: Laminated clay beds.											
Munshell Dark color to light color. 7.5YR 5/6, 2/2,7/1 --> 7.5 YR 3/4, 2/1 --> 2.5Y 7/3											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
873.5	9	1									SS CARB,XRD,XRF PMAG,PP,PWVD SS SS PMAG,PP,PWVD SS SS IMP,PMAG,PP,PWVD SS CARB,PP,XRD,XRF IMP,PMAG,PP,PWVD CARB,XRD,XRF PAL SS
		CC									

[illegible]

Hole C0019M Core 1H, interval 0 to 3.325 m (core depth below seafloor)

Summary: distorted mud and clay beds interbedding with diverse color (grayish olive (5Y4/2), olive gray, olive black (5Y 2/1) to black (7.5 Y 3/2)).

Specific features/structures: patches, subvertical to vertical bedding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
0.0	0										
1.0	100	1					Δ				PMAG PALW PALW
2.0	200	2					Δ				PALW
3.0	300	3					Δ				SS PP HS
		CC					Δ				PMAG PP SS

Hole C0019M Core 2H, interval 6.5 to 15.64 m (core depth below seafloor)

Summary: Chaotic silty clay/clayey silt (7.5 Y 4/2) with silt beds+silt (black) filled veins.

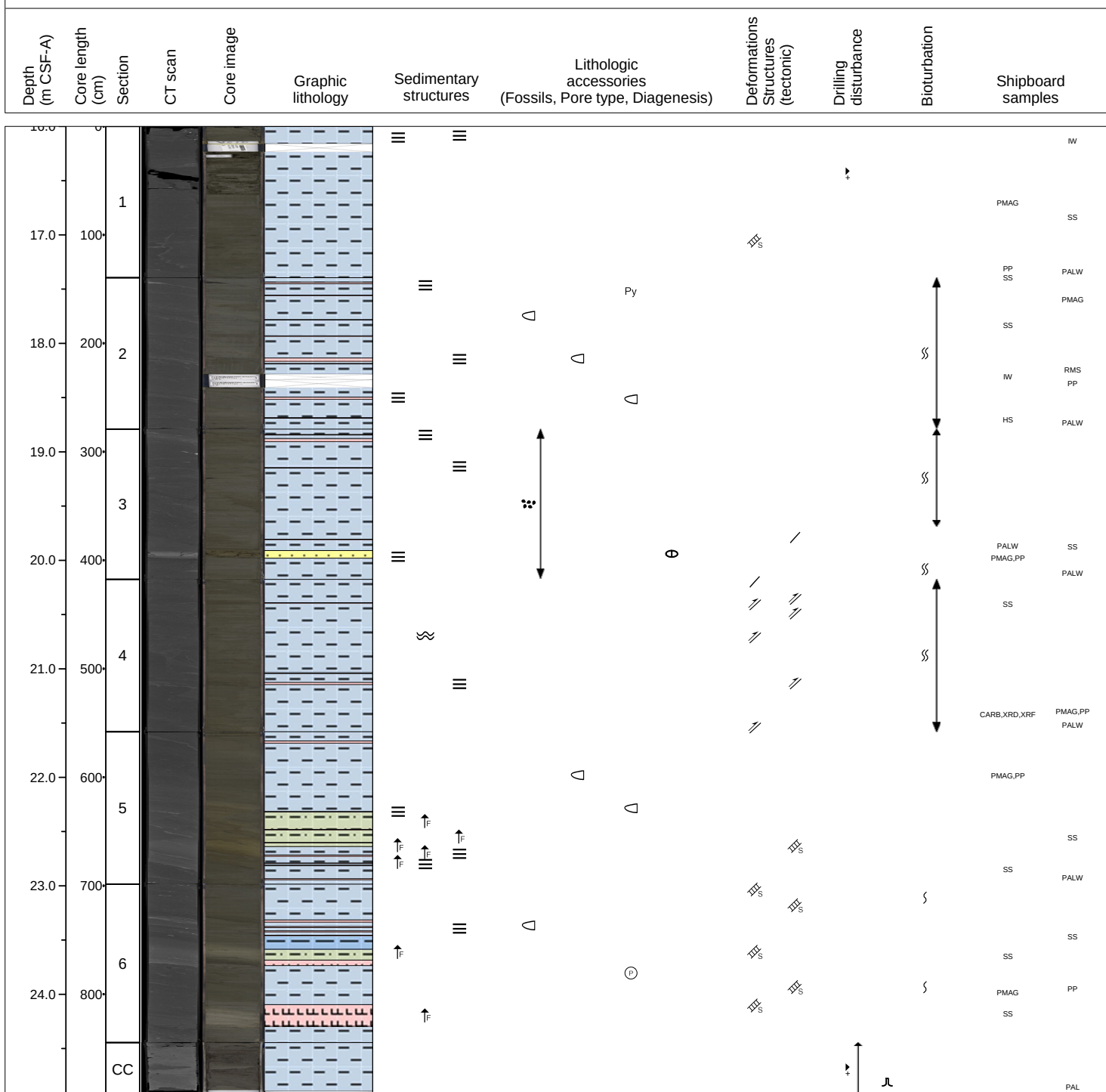
Specific features/structures: patches, sediment-filled veins, subvertical to vertical bedding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
6.5	100	1									PALW
7.0											
7.5											PMAG
8.0											PP
8.5											IW
9.0											SS
9.5											SS
10.0											PALW
10.5											HS
11.0											
11.5											
12.0											PMAG, PP
12.5											CARB, XRD, XRF
13.0											SS
13.5											PALW
14.0											SS
14.5											PP
15.0											PMAG
15.5											IW
16.0											PALW
16.5											SS
17.0											PALW
17.5											PMAG
18.0											PP
18.5											PALW
19.0											SS
19.5											PMAG, PP
20.0											PALW
20.5											SS
21.0											IW
21.5											PMAG, PP
22.0											PALW
22.5											SS
23.0											PMAG, PP
23.5											PALW
24.0											SS
24.5											PMAG, PP
25.0											PALW
25.5											SS
26.0											PMAG, PP
26.5											PALW
27.0											SS
27.5											PMAG, PP
28.0											PALW
28.5											SS
29.0											PMAG, PP
29.5											PALW
30.0											SS
30.5											PMAG, PP
31.0											PALW
31.5											SS
32.0											PMAG, PP
32.5											PALW
33.0											SS
33.5											PMAG, PP
34.0											PALW
34.5											SS
35.0											PMAG, PP
35.5											PALW
36.0											SS
36.5											PMAG, PP
37.0											PALW
37.5											SS
38.0											PMAG, PP
38.5											PALW
39.0											SS
39.5											PMAG, PP
40.0											PALW
40.5											SS
41.0											PMAG, PP
41.5											PALW
42.0											SS
42.5											PMAG, PP
43.0											PALW
43.5											SS
44.0											PMAG, PP
44.5											PALW
45.0											SS
45.5											PMAG, PP
46.0											PALW
46.5											SS
47.0											PMAG, PP
47.5											PALW
48.0											SS
48.5											PMAG, PP
49.0											PALW
49.5											SS
50.0											PMAG, PP
50.5											PALW
51.0											SS
51.5											PMAG, PP
52.0											PALW
52.5											SS
53.0											PMAG, PP
53.5											PALW
54.0											SS
54.5											PMAG, PP
55.0											PALW
55.5											SS
56.0											PMAG, PP
56.5											PALW
57.0											SS
57.5											PMAG, PP
58.0											PALW
58.5											SS
59.0											PMAG, PP
59.5											PALW
60.0											SS
60.5											PMAG, PP
61.0											PALW
61.5											SS
62.0											PMAG, PP
62.5											PALW
63.0											SS
63.5											PMAG, PP
64.0											PALW
64.5											SS
65.0											PMAG, PP
65.5											PALW
66.0											SS
66.5											PMAG, PP
67.0											PALW
67.5											SS
68.0											PMAG, PP
68.5											PALW
69.0											SS
69.5											PMAG, PP
70.0											PALW
70.5											SS
71.0											PMAG, PP
71.5											PALW
72.0											SS
72.5											PMAG, PP
73.0											PALW
73.5											SS
74.0											PMAG, PP
74.5											PALW
75.0											SS
75.5											PMAG, PP
76.0											PALW
76.5											SS
77.0											PMAG, PP
77.5											PALW
78.0											SS
78.5											PMAG, PP
79.0											PALW
79.5											SS
80.0											PMAG, PP
80.5											PALW
81.0											SS
81.5											PMAG, PP
82.0											PALW
82.5											SS
83.0											PMAG, PP
83.5											PALW
84.0											SS
84.5											PMAG, PP
85.0											PALW
85.5											SS
86.0											PMAG, PP
86.5											PALW
87.0											SS
87.5											PMAG, PP
88.0											PALW
88.5											SS
89.0											PMAG, PP
89.5											PALW
90.0											SS
90.5											PMAG, PP
91.0											PALW
91.5											SS
92.0											PMAG, PP
92.5											PALW
93.0											SS
93.5											PMAG, PP
94.0											PALW
94.5											SS
95.0											PMAG, PP
95.5											PALW
96.0											SS
96.5											PMAG, PP
97.0											PALW
97.5											SS
98.0											PMAG, PP
98.5											PALW
99.0											SS
99.5											PMAG, PP
100.0											PALW

Hole C0019M Core 3H, interval 16 to 24.945 m (core depth below seafloor)

Summary: Olive gray (7.5 Y 4/2) silty clay with sequences of brown, fining-upward silt-rich layers.

Specific features/structures: Sediment filled veins, possible faults with offsets



Hole C0019M Core 4H, interval 23.5 to 32.82 m (core depth below seafloor)

Summary: olive black (10Y 3/1) silty clay and clayey silt.

Specific features/structures: Interbedded with dark silty tephra laminae. fining upward layers. Inclined angles of bedding is between 20 and 50 degrees.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
24.0		1									PALW PMAG
24.0	100	2				"w,w" ≡ ≡		≡ ≡			SS PMAG
25.0						"w,w" ≡ ≡		/			PP
25.0						↑ _F ↑ _F		≡ _S		└	PALW HS IW PALW
26.0	200					≡ ≡	▷				PMAG
26.0		3				≡ ≡	▷				IW PP
27.0	300					≡ ≡		≡ _S			PALW
27.0		4				≡ ≡		≡ _S			SS PMAG
28.0	400					≡ ≡ ↑ _F ↑ _F ↑ _F ↑ _F	▷	≡ _S ≡			CARB,XRD,XRF PALW PP
29.0	500					≡ ≡ ↑ _F ↑ _F	▷	≡ _S /			PMAG
29.0		5				↑ _F ↑ _F ≡	▷	≡ _S /			PP PALW
30.0	600					↑ _F ↑ _F ≡	≡	≡ _S			SS
30.0		6				↑ _F ↑ _F ≡		≡ _S		└	PMAG SS
31.0	700					≡ ≡ ↑ _F		/ ≡ _S			PALW PP
31.0		7				≡ ≡		≡ _S ≡			PMAG
32.0	800					≡ ≡		≡ _S /			PP
32.0		8				↑ _F ↑ _F ≡		≡ _S ≡			PALW PMAG CARB,XRD,XRF
32.0	900					≡ ≡					SS PP
		CC				≡ ≡				⋮	PAL

Hole C0019M Core 5H, interval 33 to 43.15 m (core depth below seafloor)												
Summary: olive black silty clay, and clay.												
Specific features/structures: scattered pyrite patches and lineation, several fining-upward turbidite beds.												
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples	
33.0	0											
34.0	100	1				≡	▽				SS	CARB,XRD,XRF PMAG PP
35.0	200	2				≡ ↑F ↑F ↑F	Py Py				PALW PMAG PP	
36.0	300											
37.0	400	3				≡ ≡	Py	/			PP SS	PALW HS
38.0	500	4									PMAG	
39.0	600	5				≡ ≡	Py				PP PALW PMAG	PMAG IW PP
40.0	700	6				≡	Py				SS	PALW
41.0	800										IW PMAG	PP PMAG
42.0	900	7				↑F ≡ ↑F	▽	/ /			PP PALW	PMAG PP
43.0	1000	8					● ▽				PAL	

Hole C0019M Core 6H, interval 42.5 to 49.755 m (core depth below seafloor)											
Summary: olive grey (10Y 3/1) silty clay.											
Specific features/structures: dark grey mottles and scattered pyrite and pumice.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
43.0	1										SS
100	2							/			PMAG PP PALW IW PMAG PP HS,PALW
200	3							/			PMAG,PP CARB,XRD,XRF
300	4										SS PALW PALW,PMAG,PP SS
400	5							/			PALW
500	6							/ /			PMAG PP
600	CC							/ /			PALW PMAG,PP
700								/ /			SS PAL

Hole C0019M Core 7H, interval 51.5 to 61.2 m (core depth below seafloor)

Summary: olive black (10Y 3/1) silty clay with dark grey/green mottles. Internal of silty part has banding.

Specific features/structures: mottled structures, color banding.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
52.0	1							/	...	↕	PMAG PP
100											PALW
53.0	2						Py			↕	PMAG, PP
200											HS PALW PMAG
54.0	3										PP
300											
55.0	4										CARB, XRD, XRF PALW, PMAG, PP
400											SS
56.0	5										CARB, XRD, XRF PALW, PMAG, PP
500											
57.0	6										PALW
600											PMAG SS
58.0	7										PP
700											PALW
59.0	8										SS
800											PMAG, PP
60.0											PMAG, PP
900											SS
61.0	CC										PAL

Hole C0019M Core 8H, interval 59 to 69.135 m (core depth below seafloor)

Summary: olive black (7.5 Y 3/2) silty clay with many thin (<0.2cm) ashly beds in some sections.

Specific features/structures: fining-upward layers, mottled structures, scattered pumice, ashly patches.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
59.0	0										
60.0	100	1									
61.0	200	2									PREW PMAG SS
62.0	300	3									CARB,XRD,XRF PMAG,PP
63.0	400	4									HS PP
64.0	500	5									PP PALW
65.0	600	6									SS
66.0	700	7									PMAG
67.0	800	8									SS
68.0	900	9									PALW
69.0	1000	CC									PP

Hole C0019M Core 9H, interval 67.5 to 75.22 m (core depth below seafloor)

Summary: olive black (7.5Y 3/2) clayey silt to silty clay with inclined ashy beds fining upward.

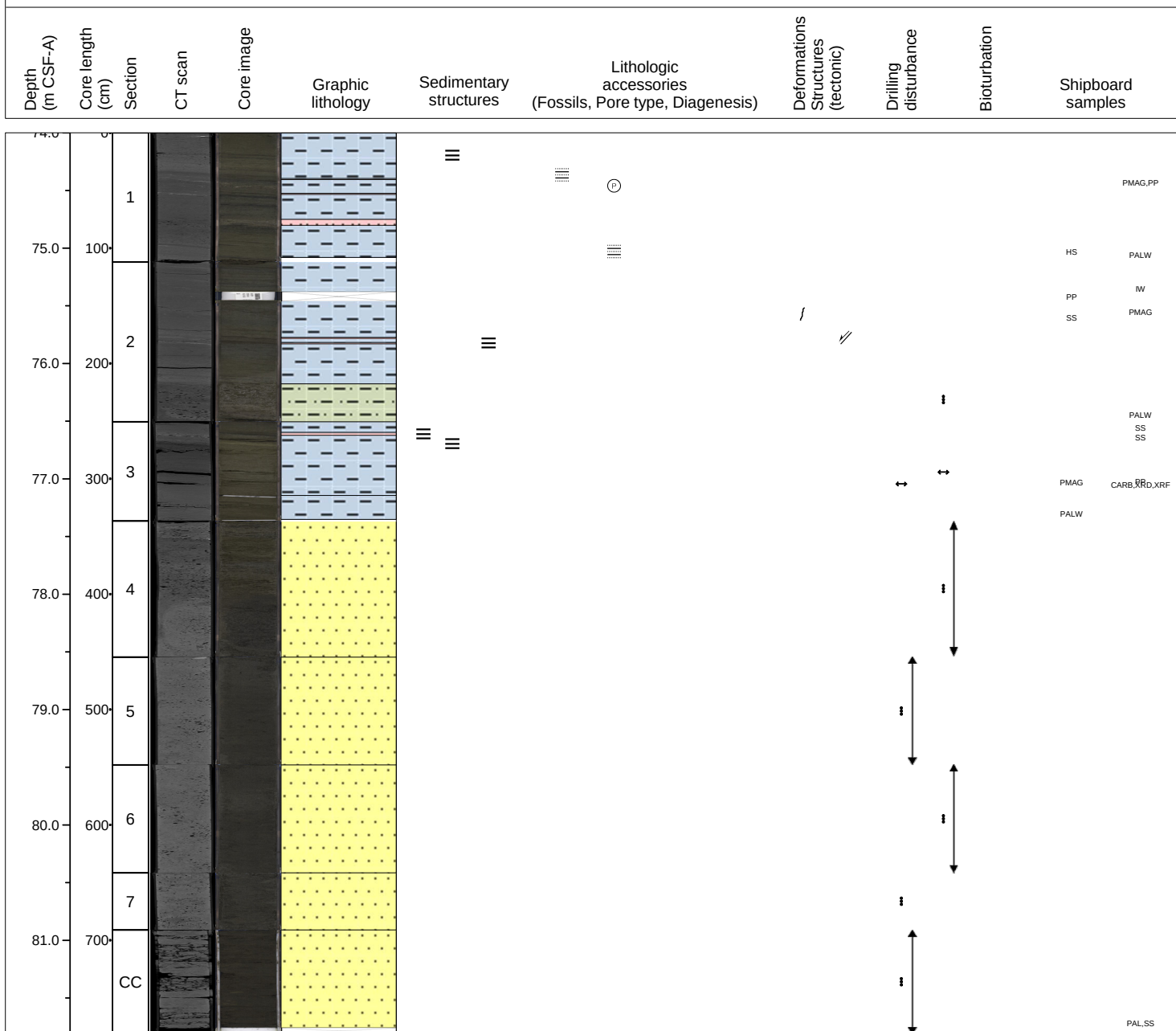
Specific features/structures: Interbedded tephra layers, patches, color banding and mottling.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
68.0	100	1				↑ _F ↑ _F ↑ _F					PMAG PALW
69.0	200	2				↑ _F ↑ _F	•	Δ	Δ		SS SS
70.0	300	3					Δ	Δ	•••		CARB,XRD,XRF PP PMAG RMS
71.0	400	4					Δ	Δ	•••		PP PALW
72.0	500	5					Py	Δ	•••		PMAG
73.0	600	6				↑ _F ↑ _F	Py	Δ	•••		PALW
74.0	700	7									SS
75.0		CC									PMAG
											PP
											PALW
											PMAG
											PP
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Hole C0019M Core 10H, interval 74 to 81.81 m (core depth below seafloor)

Summary: olive black (7.5Y 3/2) clayey silt with black bands and light gray ash layers.

Specific features/structures: Flow-in sandy sediments appear since section 4.



Hole C0019M Core 11X, interval 76.5 to 77.055 m (core depth below seafloor)											
Summary: heavily disturbed olive black silty clay.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
77.0	1 CC										CARBON SS XRF PALW PAL

Hole C0019M Core 12X, interval 86 to 89.77 m (core depth below seafloor)

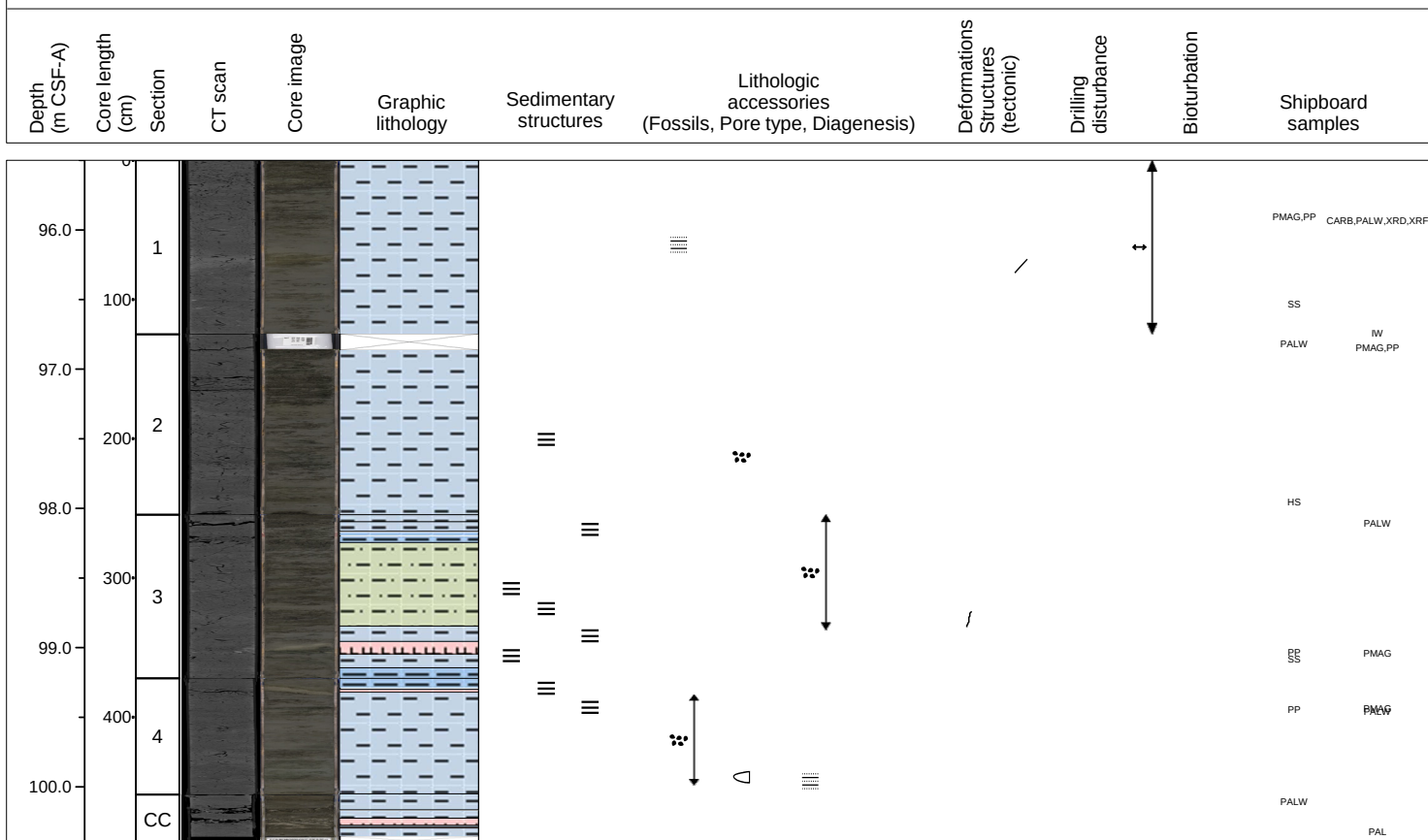
Summary: olive black silty clay disturbed by gas cracks.

Specific features/structures: Black mottles, patches, gas-caused cracking.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
86.0	0										PMAG
											PALW PP
87.0	100	1									SS PP IW HS
											CARB,XRD,XRF PALW,PMAG,PP
88.0	200	2									PALW
											SS PMAG,PP
89.0	300	3									PAL PP
											PMAG PP
		4									PALW

Hole C0019M Core 13X, interval 95.5 to 100.41 m (core depth below seafloor)

Summary: olive black (10Y 3/1) silty clay with dark and light patches. Streak of grey green contacts of colour change are gradational



Hole C0019M Core 14X, interval 105 to 107.505 m (core depth below seafloor)

Summary: dark olive black clayey silty. Very brittle so heavily disturbed by coring.

Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Sedimentary structures	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
106.8	9							/			SS PMAG PP
107.0	200	CC					Py				PAL
106.0	100	2				III		/			CARB MAG XRF SS HS PALW PP
105.0	9	1						/			

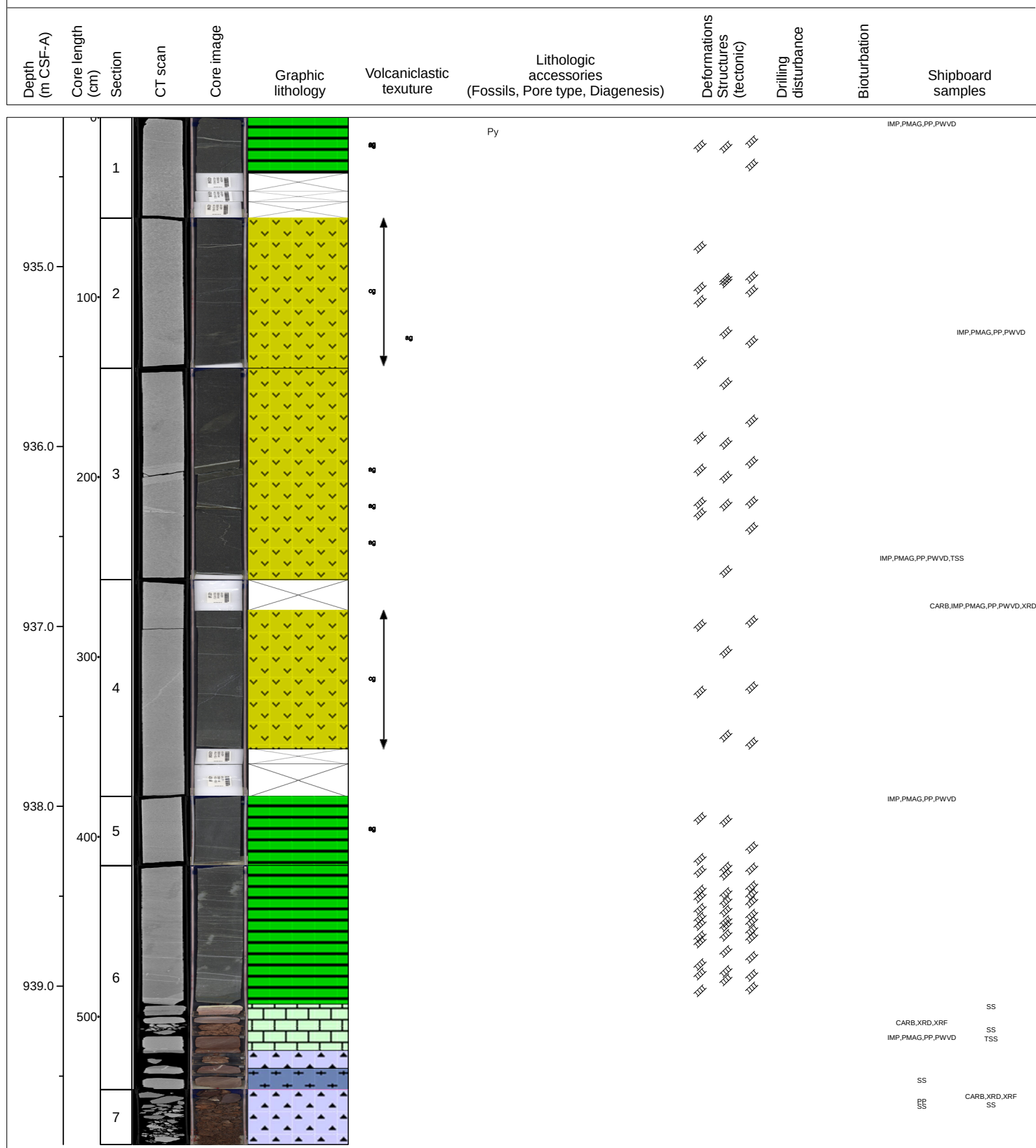
Hole C0019P Core 1K, interval 930 to 934.175 m (core depth below seafloor)

Summary: sec1-3, highly altered pillow basalt with brown carbonate and interpillow, sec4, gray crystal-rich massive basalt.

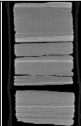
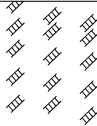
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Volcaniclastic texture	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
930.0	0										
		1									IMP, PMAG, PP, PWVD, TSS SS
											SS
											CARB, XRD, XRF IMP, PMAG, PP, PWVD, TSS
											SS
931.0	100										SS SS
		2									SS
											IMP, PMAG, PP, PWVD
932.0	200										SS
		3									SS SS
											IMP, PMAG, PP, PWVD
933.0	300										CARB, XRD, XRF SS
		4									SS
934.0	400										IMP, PMAG, PP, PWVD

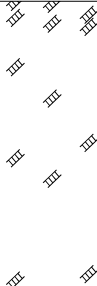
Hole C0019P Core 2K, interval 934.17 to 939.88 m (core depth below seafloor)

Summary: sec1-6 crystal-rich altered basalt sill, sec 6-7 reddish pelagic sediments (limestone, chert, siliceous mudstone), Intrusive boundary at sec 6, 77cm.



Hole C0019P Core 3K, interval 940 to 941.11 m (core depth below seafloor)											
Summary: upperhalf chert and carbonaceous mud, lowerhalf basalt sill with subhorizontal veins, brecciated by drilling.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Volcaniclastic texture	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
940.0	0								00		SS
		1							00		SS SS IMP, PMAG, PP, PWVD CARB, XRD, XRF SS
											SS
											IMP, PP, PWVD
											PMAG
941.0	100	CC									SS

Hole C0019P Core 4K, interval 944 to 944.49 m (core depth below seafloor)											
Summary: altered, crystal-rich basalt sill with numerous subhorizontal veins.											
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Volcaniclastic texture	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples
944.0	0	1									CARB,IMP,PMAG,PP,PWVD,XRD,XRF

Hole C0019P Core 5K, interval 945.5 to 946.61 m (core depth below seafloor)												
Summary: crystal-rich basalt sill.												
Depth (m CSF-A)	Core length (cm)	Section	CT scan	Core image	Graphic lithology	Volcaniclastic texture	Lithologic accessories (Fossils, Pore type, Diagenesis)	Deformations Structures (tectonic)	Drilling disturbance	Bioturbation	Shipboard samples	
946.0	100	1									IMP, PMAG, PP, PWVD CARB, XRD, XRF	