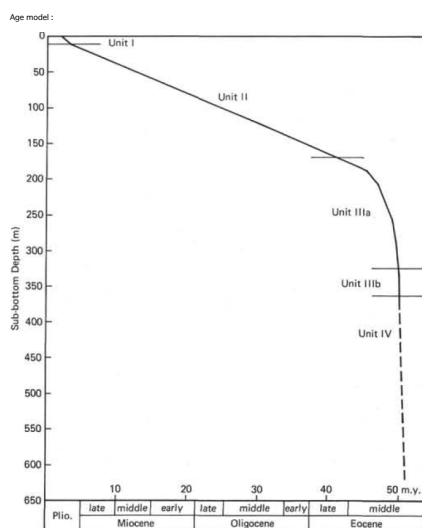


Age	Depth (m) and Core No.
Pliocene	2
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Lithologic Unit	Sub-Bottom Depth (m)	Core	Thickness (m)	Characteristics	Age
I	0-14.2	446-1 to 446-3, 20 cm	14.2	Brown (10YR4/3), terrigenous mud, clay	Pliocene
II	14.2-172.5	446-3, 20 cm to 446-19, CC	158.3	Dark-brown (10YR3/3), very dark grayish-brown (10YR3/2), pelagic clay with ash, siliceous fossils, variable zeolite content	Miocene to middle Eocene
IIIa	172.5-324.5	446-19, CC through 446-35, CC	152.0	Dark-greenish-gray (5GY4/1), greenish-gray (5GY5/1) mudstones, claystones, siltstones, and sandstones, in turbidite sequences	Middle Eocene
IIIb	324.5-362.5	446-35-1 to 446-39, CC	38.0	Brown (7.5YR5/4), dark-brown (7.5YR4/4), calcareous claystones and mudstones, interbedded with dark-greenish-gray (5GY4/1) and 5GY4/1 to greenish-gray (5GY5/1), calcareous claystones and mudstones, in turbidite sequences, plus pelagic biogenic oolipospongia	Middle Eocene
IV	Hole 446 362.5-393.7 to 446-43, 120 cm	Hole 446 446-40-1 to 446-43, 120 cm	Hole 446 17.9 (est.)	Dark-greenish-gray (5GY4/1) to greenish-gray (5GY5/1) and bluish-green (5GY4/1), calcareous claystones, nanofossil claystones, glauconitic claystones, mudstones, ash	Middle-early Eocene
	Hole 446A 372.0-628.0	446A-1-1 through 446A-28, CC	Hole 446A 60 (est.)	As above, with abundant ash through Core 17. Sediment occurs as interbeds between basalt sills.	



Recovery	Core	Lithology	Sub-bottom Depth (m)	Alteration	Sub-basement Stratigraphy	AFD Magnetic Inclination
						-90° 0° +90°
	1		380	(Sed.)	Claystone; late early Eocene (50-52 m.y.)	
	2		390	(Sed.)	1A: Aphiric vesicular basalt; basaltic hornblende - 10%; 25% An ₇₀ plagioclase; 25-10% vesicles; 20% titanomagnetite; intergranular texture	
	3		400	(Sed.)	1B: Aphiric vesicular basalt; similar to 1A	
	4		410	(Sed.)	2A: Aphiric basalt and diabase sill; fine to medium grained; 0-7% vesicles; plagioclase, pyroxene - 10% titanomagnetite; rare olivine pseudomorphs; clay and quartz-filled veins; clastic dike in hole 466 nearby	
	5		420	(Sed.)	3A: Plagioclase-pyroxene microphyric basalt	
	6		430	(Sed.)	3B: Plagioclase-pyroxene phiric basalt; 3-6% plagioclase phenocrysts, 0.5-3.0 mm; 1-2% pyroxene phenocrysts, 0.5-1.0 mm; 0-2% relict olivine (?) pseudomorphs; slightly vesicular, intergranular texture; plagioclase - An ₆₀ -An ₆₅ ; 8-12% titanomagnetite	
	7		440	(Sed.)	3C: Sparsely plagioclase phiric basalt; plagioclase phenocrysts 0-3%, 0.5-4.0 mm; 0-1% pyroxene phenocrysts; 10-15% titanomagnetite; 0-10% vesicles; no olivine relicts noted; plagioclase - An ₆₀	
	8		450	(Sed.)	Claystone and volcanic ash and sandstone	
	9		460	(Sed.)	4A: Vesicular diabase; 30% vesicles; intergranular texture; 8-10% titanomagnetite; 15-22% pink pyroxene; 8-15% basaltic hornblende; 30% plagioclase - An ₆₀ ; medium to coarse grained, with quench-textured plagioclase laths	
	10		470	(Sed.)	4B: Amphiboloid aphiric diabase; basaltic hornblende, pink zoned pyroxene, and plagioclase (An ₆₀) in a chlorite, clay, and magnetite groundmass, with 30% relict olivine pseudomorphs; numerous thick carbonate veins (up to 1.2 cm); 15% amygdaloids; cumulate texture	
	11		480	(Sed.)	5A: Aphiric vesicular diabase; aphanitic to medium grained; amygdaloid or vesicular; - 5% hornblende; 30% olivine pseudomorphs	
	12		490	(Sed.)	5B: Aphiric vesicular basalt; similar to above	
	13		500	(Sed.)	6A: Aphiric basalt; plagioclase (An ₇₀ -An ₇₂) 20-30%; 20-30% pyroxene; 10-20% titanomagnetite in interstitial groundmass of clay, chlorite (?), and cryptocrystalline material; aphanitic to fine grained throughout entire section; two of six thin sections have olivine pseudomorphs; entire unit has close to 1% plagioclase microphenocrysts; 2% medium sized calcite filled vugs; one 1.5 mm euhedral pyroxene phenocryst in one of eight thin sections	
	14		510	(Sed.)	6B: Aphiric basalt; fine grained interstitial texture; 12% titanomagnetite; 25% plagioclase (An ₇₀ -An ₇₂); 20% pyroxene in clay and cryptocrystalline groundmass; 10% calcite filled amygdaloids	
	15		520	(Sed.)	6C: Aphiric basalt; aphanitic to medium grained; 0-15% vesicles and calcite filled amygdaloids; 25-40% plagioclase (An ₇₀ -An ₇₂) 15-25% pyroxene with pink tint; 7-10% titanomagnetite; 1% pyroxene microphenocrysts; one 4 mm plagioclase phenocryst seen in thin section; interstitial texture	
	16		530	(Sed.)	6D: Aphiric basalt; aphanitic to fine grained; interstitial texture; 1% clay-filled vesicles; 25% plagioclase; 25% pyroxene; 11% titanomagnetite; 1% clay-filled vesicles	
	17		540	(Sed.)	6E: Aphiric basalt; aphanitic to fine grained; interstitial texture; 25% plagioclase (An ₇₀ -An ₇₂); 20-30% pyroxene; 1% relict olivine (?) pseudomorphs; 15% titanomagnetite in altered groundmass	
	18		550	(Sed.)	6F: Aphiric basalt; 1% plagioclase microphenocrysts; 30% plagioclase (An ₇₀ -An ₇₂); 30% pyroxene; 15% titanomagnetite, in an altered interstitial groundmass	
	19		560	(Sed.)	6G: Aphiric basalt; occasional plagioclase and pyroxene microphenocrysts; 2% clay-filled vesicles; 30% plagioclase (An ₇₀ -An ₇₂); 15-20% pyroxene; 8-20% titanomagnetite; aphanitic to fine grained, interstitial texture	
	20		570	(Sed.)	6H: Aphiric basalt; similar to above; occasional plagioclase and pyroxene microphenocrysts; some relict olivine pseudomorphs; plagioclase - An ₆₀	
	21		580	(Sed.)	7A: 7B: Pyroxene-plagioclase microphyric basalt; pyroxene microphenocrysts; 0%; plagioclase - 3%; 1% vesicles; fine grained, interstitial texture	
	22		590	(Sed.)	8A: Aphiric basalt; 0-3% pyroxene and plagioclase microphenocrysts; fine to medium grained; 7% titanomagnetite, pyroxene, and plagioclase (An ₇₀ -An ₇₂) in interstitial groundmass; 0-3% vesicles, with highly vesicular zone in upper third of unit; in center of unit, a narrow olivine (relict - 4%), plagioclase (1%), and pyroxene (1%) phiric zone; this suggests that the sill is compound	
	23		600	(Sed.)	8B: Very sparsely plagioclase phiric basalt; 1% or less 1-2 mm plagioclase phenocrysts; 0-5% calcite and clay-filled amygdaloids, plagioclase, and pyroxene in an interstitial groundmass; 8-10% titanomagnetite; rare lath-like pseudomorphs after olivine (?); one sample has pyroxene microphenocrysts, and 2% plagioclase and 2% relict olivine	
	24		610	(Sed.)	8C: Plagioclase-pyroxene sparsely phiric basalt; also contains relict olivine phenocrysts	
	25		620	(Sed.)	9A: Aphiric basalt; aphanitic to fine grained, with - 5% calcite and clay-filled, 0.5-3.0 mm vesicles; consists of a felted mass of small plagioclase laths in an interstitial cryptocrystalline groundmass	
	26		630	(Sed.)	Claystone; late early Eocene (50-52 m.y.)	