Table 1.—*Stratigraphic distribution of Foraminifera in the Cobre formation, south-central Oriente, Cuba*

	UPPER CRETACEOUS(?)				PALEOCENE(?) AND LOWER EOCENE																	
	Peluda volcanic member				Cobre Formation																	
					Undifferentiated																	
	236	237	238	240	58	60	61	62	63	64	65	66	67	68	69	70	71	72	73	111	112	114
Globigerina sp.		×		×																		
Globorotalia sp.		×		×																		
Miliolidae spp. indet.	×	×		×																		
Quinqueloculina sp.			×																			
Triloculina sp.			×																			
Textularidae spp. indet.				×																		
Vaughanina cubensis Palmer				?																		
Pseudorbitoides cf. *P. israelskii* Vaughan and Cole				×																		
Lituonella elegans Cole																						
Coskinolina elongata Cole																						
sp.																						
Dictyoconus americanus (Cushman)																						
sp.																						
Eodictyoconus cubensis (Cushman and Bermudez)																						
Gunteria floridana Cushman and Ponton																						
Camerina sp.					×																	
Operculinoides sp.																						
Miscellanea antillea (Hanzawa)																						cf
soldadensis Vaughan and Cole					×																	
sp.						×	×											×		×		
Amphistegina cubensis Palmer																						
lopez-trigoi Palmer							×		×	×										×		
pinarensis Cushman and Bermudez																						
sp.																×	×	×				
Eoconuloides wellsi Cole and Bermudez																						
Helicostegina dimorpha Barker and Grimsdale																						
gyralis Barker and Grimsdale							×															
sp.																						
Carpenteria sp.																						
Lepidocyclina (Polylepidina) antillea Cushman																						
chiapasensis Vaughan																						
(Pliolepidina) peruviana Cushman																						
pustulosa (H. Douville)																						
sp.																						
Eulinderina guayabalensis (Nuttall)																						
semiradiata Barker and Grimsdale																						
sp.												×										
Discocyclina (Discocyclina) anconensis Barker														cf	×	cf						
barkeri Vaughan									×	×											cf	
blanpiedi Vaughan																						
crassa (Cushman)																	cf					
cubensis (Cushman)																						
grimsdalei Vaughan and Cole																						×
n. sp.								cf			?	×			×	×	×				×	×
sp.					×	×	×	×	×	×	×		×	×	×	×	×	×	×			
D. (Asterocyclina) monticellensis Cole and Ponton																						
rutteni Vaughan																						
subtaramellei (Cushman)																						
sp.																×						
Pseudophragmina (Pseudophragmina) sp.												×				×						
(Proporocyclina) advena (Cushman)																						
cedarkeyensis Cole																						
cushmani (Vaughan)																						
hannai Cole																						
peruviana (Cushman)																						
zaragozensis (Vaughan)																						
sp.							×															
(Athecocyclina) cookei Vaughan																						
sp.																						

	MIDDLE EOCENE																										
	Cobre Formation																										
	Undifferentiated																										
	74	75	76	77	78	79	80	81	82	83	85	101	113	115	116	117	125	126	127	131	132	137	138	139	148	194	231
Globigerina sp.																											
Globorotalia sp.																											
Miliolidae spp. indet.																											
Quinqueloculina sp.																											
Triloculina sp.																											
Textularidae spp. indet.																											
Vaughanina cubensis Palmer																											
Pseudorbitoides cf. *P. israelskii* Vaughan and Cole																											
Lituonella elegans Cole													×														
Coskinolina elongata Cole																				×				×			
sp.			×																		×						
Dictyoconus americanus (Cushman)										×		×	×		×						×			×			
sp.									×																		
Eodictyoconus cubensis (Cushman and Bermudez)			×									×				×					×		×				
Gunteria floridana Cushman and Ponton																×											
Camerina sp.																											
Operculinoides sp.																											
Miscellanea antillea (Hanzawa)																											
soldadensis Vaughan and Cole																											
sp.																											
Amphistegina cubensis Palmer																								?		?	
lopez-trigoi Palmer	×	×	×	×		×	×	×	×	×			×			×				×	×	cf		×		×	
pinarensis Cushman and Bermudez																cf											
sp.				×								×					×	×		×					×		
Eoconuloides wellsi Cole and Bermudez					×		cf			×					cf	×					×			×			
Helicostegina dimorpha Barker and Grimsdale													×														cf
gyralis Barker and Grimsdale											×																
sp.			×									×			×									×			
Carpenteria sp.																×											
Lepidocyclina (Polylepidina) antillea Cushman																											
chiapasensis Vaughan																											
(Pliolepidina) peruviana Cushman																											
pustulosa (H. Douville)																											
sp.																											
Eulinderina guayabalensis (Nuttall)																											
semiradiata Barker and Grimsdale																											
sp.	?																										?
Discocyclina (Discocyclina) anconensis Barker			cf																								
barkeri Vaughan			×			×							cf			?	cf				×				cf	?	
blanpiedi Vaughan	?				cf	cf																					
crassa (Cushman)	×		×	cf	?	×		×													×	×	×				×
cubensis (Cushman)				cf		cf																×	×		×		×
grimsdalei Vaughan and Cole			×		cf										cf						×				×	cf	×
n. sp.						cf																					
sp.	×	×	×	×	×	×	×		×			×	×					×	×	×	×				×		
D. (Asterocyclina) monticellensis Cole and Ponton				cf									×			×											
rutteni Vaughan																											
subtaramellei (Cushman)																						?					?
sp.			×	×				×										×			×	×	×	×	×		
Pseudophragmina (Pseudophragmina) sp.	×		×	×	×				×																×		
(Proporocyclina) advena (Cushman)																	×										
cedarkeyensis Cole										cf							cf										
cushmani (Vaughan)				×																		×					
hannai Cole																											
peruviana (Cushman)			×													×											
zaragozensis (Vaughan)					cf																						
sp.																						×					
(Athecocyclina) cookei Vaughan																										cf	
sp.		×																									

	MIDDLE EOCENE																						
	Cobre Formation																						
	Charco Redondo limestone member																						
	36	37	84	87	102	103	123	124	129	203	211	229	230	234	251	252	253	254	256	257	258	259	260
Globigerina sp.																							
Globorotalia sp.																							
Miliolidae spp. indet.																							
Quinqueloculina sp.																							
Triloculina sp.																							
Textularidae spp. indet.																							
Vaughanina cubensis Palmer																							
Pseudorbitoides cf. *P. israelskii* Vaughan and Cole																							
Lituonella elegans Cole																							
Coskinolina elongata Cole																							
sp.																	?						
Dictyoconus americanus (Cushman)		×	×					×			×									×	×	×	
sp.							×								×	×		×			×	×	
Eodictyoconus cubensis (Cushman and Bermudez)							×	×			×				×	×	×	×					
Gunteria floridana Cushman and Ponton			×	×			×	?															
Camerina sp.																							
Operculinoides sp.										×													
Miscellanea antillea (Hanzawa)																					cf		
soldadensis Vaughan and Cole																							
sp.																							
Amphistegina cubensis Palmer																							
lopez-trigoi Palmer			×	×			cf								cf	×		×				cf	
pinarensis Cushman and Bermudez																						×	×
sp.					×					×		×	×		×	×			×		×		
Eoconuloides wellsi Cole and Bermudez			×			×				×												×	
Helicostegina dimorpha Barker and Grimsdale			×																				
gyralis Barker and Grimsdale																							
sp.						×																	
Carpenteria sp.				×			×																
Lepidocyclina (Polylepidina) antillea Cushman		×															×						
chiapasensis Vaughan																							
(Pliolepidina) peruviana Cushman																	×	×					
pustulosa (H. Douville)		×																×					
sp.		×															×						
Eulinderina guayabalensis (Nuttall)		×																					
semiradiata Barker and Grimsdale																							
sp.																							×
Discocyclina (Discocyclina) anconensis Barker																							
barkeri Vaughan						cf			cf	cf													cf
blanpiedi Vaughan																							
crassa (Cushman)	×	×	×	×			×			×		×	×	×	×			×	cf		×		×
cubensis (Cushman)				cf			×	×		×		×	×		cf						cf	×	×
grimsdalei Vaughan and Cole							×									cf						cf	
n. sp.																							
sp.			×	×			×	×		×		×			×						×	×	×
D. (Asterocyclina) monticellensis Cole and Ponton			×	×		×	?																
rutteni Vaughan																							
subtaramellei (Cushman)				?				?															
sp.				×	×	×	×	×		×						×							×
Pseudophragmina (Pseudophragmina) sp.																							
(Proporocyclina) advena (Cushman)								cf															
cedarkeyensis Cole								cf															
cushmani (Vaughan)																							
hannai Cole														cf									
peruviana (Cushman)																							
zaragozensis (Vaughan)																							
sp.			×																				
(Athecocyclina) cookei Vaughan				?																			
sp.																							