

Chapter 4, Table 4. Range chart of planktonic foraminifers at Site 1036.

Core, section, interval (cm)	Top depth (mbsf)	Geologic age	Zone	Group abundance	Preservation	Dissolution	Overgrowth	<i>Beella digitata</i>	<i>Globigerina bulloides</i>	<i>Globigerina bulloides umbilicata</i>	<i>Globigerina clarki</i>	<i>Globigerina falconensis</i>	<i>Globigerinita glutinata</i>	<i>Globigerinita parkerae</i>	<i>Globigerinita uvula minuta</i>	<i>Globigerinita uvula uvula</i>	<i>Globigerinoides ruber</i>	<i>Globorotalia scitula</i>	<i>Neoglobobularina pachyderma (left-coiling)</i>	<i>Neoglobobularina pachyderma (right-coiling)</i>	<i>Orbulina suturalis</i>	<i>Orbulina universa</i>	<i>Orbulina universa bilobata</i>	<i>Turborotalia humilis</i>	<i>Turborotalia iota</i>	<i>Turborotalia quinqueloba</i>	Lithologic units	Environment	Comments			
169-1036A-1H-1, 0-2	0.00	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IV	Anhydrite from chimneys	Anhydrite from chimneys.			
169-1036A-1H-5, 9-11	6.09	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IA?	Weathered anhydrite mud beneath coarse chimney material	Anhydrite with abundant radiolarians.			
169-1036A-1H-6, 0-2	7.50	Pleistocene	CD2	Abundant	Moderate	Moderate	None	C	F		F			C	C			R	C				F	IA	IA	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate with few deep water benthic foraminifers.				
169-1036A-1H-6, 82-84	8.32	Pleistocene	CD2	Abundant	Poor	Strong	Crust	C	F					C	F			R	C				F	IA	IA	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate, few benthics with some shelf types, one ostracode, and calcite crystal masses.				
169-1036A-1H-CC, 18-20	9.48	Pleistocene	CD2	Abundant	Moderate	Moderate	Crust	C	F					F	F	F							R	IB	IB	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate with few benthic foraminifers, crystalline pyrite tubes, a few grains of anhydrite, and a lot of breakage in the fine fraction.				
169-1036A-2H-CC, 25-27	18.98	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IC	Semi-lithified	Semi-lithified.			
169-1036A-3H-CC, 35-37	28.48	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IC	Lithified	Lithified lumps of sand and silt.			
169-1036A-4H-CC, 41-43	32.98	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	Lithified and with cubic pyrite.			
169-1036A-6X-CC, 18-20	37.68	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	Anhydrite lithified into centimeter-sized rocks.			
169-1036B-1H-1, 0-2	0.00	Holocene	CD1	Rare	Good	Weak	None	R										R	R				R	IA	IA	IA	Anhydrite from chimneys	Anhydrite dominates with radiolarians, diatoms, and very rare foraminifers.				
169-1036B-1H-1, 42-44	0.42	Holocene	CD1	Abundant	Moderate	Moderate	None	C							R	R		R	C	F	R	R	F	IA	IA	IA	Hemipelagic	Hemipelagic	Foraminifers dominate with diatoms and radiolarians.			
169-1036B-1H-2, 0-2	1.50	Pleistocene	CD2	Abundant	Good	Weak	None	A			F			C	F			R	C				F	IA	IA	IA	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate.			
169-1036B-1H-CC, 18-20	8.67	Pleistocene	CD2	Abundant	Moderate	Moderate	None	C			F			F	F			R	C				C	IB	IB	IB	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers with few deep water benthic foraminifers and a few shallow types; with tubes of pyrite crystals, some green tubes.			
169-1036B-2H-CC, 24-26	18.18	Pleistocene	CD2	Few	Poor	Strong	Protuberances	F										C					C	IC	IC	IC	IC	Pyrite crystals in tubes, anhydrite?	Pyrite dominates with agglutinated foraminifers, calcite benthic foraminifers, and few planktonic foraminifers that have overgrowths; anhydrite or gypsum crystals.			
169-1036B-3H-CC, 1-3	27.68	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	Lithified material with pyrrhotite.		
169-1036B-4X-CC, 60-62	36.84	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	White sand with pyrite.		
169-1036B-5X-CC, 36-38	44.78	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	Lithified white lumps of silt and sand-sized grains.		
169-1036C-1H-1, 0-2	0.00	Holocene	CD1	Few			None			R					R			R	R				R	IA	IA	IA	IA	Brown anhydrite, agglutinated assemblage of benthic foraminifers	Abundant diatoms and radiolarians, a live orosperid, and various live worms were collected.			
169-1036C-1H-1, 25-27	0.25	Holocene	CD1	Abundant	Moderate	Moderate	None	C						R	R	R		R	C	R			F	IA	IA	IA	IA	IA	Diatoms and radiolarians in hemipelagite	Rare collosphaerids among radiolarians Diatoms dominate with radiolarians, then planktonic foraminifers.		
169-1036C-1H-1, 50-52	0.50	Holocene	CD1	Abundant	Good	Weak	None	C						R	F	R		R	C	F			F	IA	IA	IA	IA	IA	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers, rare radiolarians and urchin spines. Abundant <i>Hoeglundina elegans</i> .	
169-1036C-1H-1, 75-77	0.75	Holocene	CD1	Abundant	Good	Weak	None	R	C		F			C	F			R	C	R			C	IA	IA	IA	IA	IA	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers with pyritized tubes; pyrite in framboidal form.	
169-1036C-1H-1, 125-127	1.25	Pleistocene	CD2	Abundant	Good	Weak	None	C						C	F			R	C				R	IA	IA	IA	IA	IA	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers, few benthic foraminifers, nothing else in the sand-sized fraction.	
169-1036C-1H-2, 75-77	2.25	Pleistocene	CD2	Abundant	Good	Weak	None	C						F	C	C		R	C				F	IA	IA	IA	IA	IA	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers, with virtually nothing else.	
169-1036C-1H-CC, 15-17	6.33	Pleistocene	CD2	Abundant	Moderate	Moderate	None	C						R	F	R		R	C				R	IA	IA	IA	IA	IA	Hemipelagic	Hemipelagic	Dominated by planktonic foraminifers with rare radiolarians.	
169-1036C-2H-CC, 35-37	15.68	Pleistocene	CD2	Common	Poor	Strong	None	C						R				R	C				R	IB	IB	IB	IB	IB	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate, pyrite tubes are common; urchin spine, radiolarians, and rare benthic foraminifers.	
169-1036C-3H-7, 0-2	24.90	Pleistocene	CD2	Common	Poor	Strong	Protuberances	C						R				R	C				R	IB	IB	IB	IB	IB	Hemipelagic	Hemipelagic	Hemipelagic, encrusted foraminifers.	
169-1036C-3H-CC, 23-25	25.52	Pleistocene	CD3	Abundant	Poor	Strong	Crust	A						C	F			R	C	F			F	IB	IB	IB	IB	IB	Hemipelagic	Hemipelagic	Planktonic foraminifers dominate with tubes and aggregates of cemented mineral grains.	
169-1036C-4H-CC, 35-37	34.88	Pleistocene	CD4	Rare	Poor	Strong	Crust	R						R				R					R	IIB	IIB	IIB	IIB	IIB	Lithified	Lithified lumps of fine sand with pyrite, light brown foraminifers.		
169-1036C-5X-CC, 36-38	42.31	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIB	Lithified	Lithified white sand with pyrite.
169-1036C-6X-CC, 36-38	49.00	?		Barren	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	IIC	Lithified	Lithified white sand with pyrite.	

Notes: C = common, F = few, R = rare, and A = abundant. — = not observed, in all columns except age, where it means inferred age. ? = unassignable age because of lack of fossils.