DEPTH (m)	CORE NO.	C R	C I	LITHOLOGIC DESCRIPTION	ZONE NANNO	ZONE FORAM	CHARACTERISTIC SPECIES
10	1			Olive-gray clay, very plastic. Silt size detritals, quartz, plagioclase, mica; some small forams and coccoliths.	*Gephyrocapsa oceanica* to *Sphenolithus abies*	*Globorotalia truncatulinoides truncatulinoides* to *Globorotalia margaritae*	Planktonic Foraminifers: *Candeina nitida, Gg. bulloides* s.l., *Gg. calida* s.l., *Gg. foliata* s.l., *Gg. juvenilis, Gg. uvula, Gg. venezuelana, Globigerinita* sp., *Ge. conglobatus* s.l., *Ge. obliquus extremus, Ge. ruber* s.l., *Gg. trilobus fistulosus, Ge. trilobus* cf. *fistulosus, Ge trilobus sacculifer, Ge. trilobus* s.l., *Gq. altispira* s.l., *Gq. dehiscens, Gr. acostaensis, Gr. crassaformis* A/a & B, *Gr. crassaformis viola/cf. viola, Gr. crassaformis crassaformis, Gr. crassaformis* s.l., *Gr. crassaformis* A, *Gr. dutertrei* s.l., *Gr. dutertrei* high spired, *Gr. dutertrei pseudopima, Gr. hirsuta* s.l., *Gr. margaritae, Gr. menardii cultrata, Gr. exilis* & *exilis* A, *Gr. menardii menardii, Gr. miocenica, Gr. multicamerata, Gr, scitula* s.l., *Gr. suboretacea, Gr. trunc. truncatulinoides, Gr. tumida flexuosa, Gr. tumida tumida, Gr. cf. tumida, Gr. ungulata, Hastigerina siphonifera, Orbulina* sp., *Pu. obliquiloculata* s.l., *Sa. dehiscens, Se. subdehiscens* s.l. Calcareous Nannofossils: *Gephyrocapsa oceanica, Gephyrocapsa aperta, Gephyrocapsa caribbeanica, Pseudoemiliania lacunosa* (circular), *Pseudoemiliania lacunosa* (oval), *Coccolithus pelagicus, Cyclococcolithus leptoporus, Umbilicosphaera mirabilis, Cyclolithella annula, Helicopontosphaera kamptneri, Helicopontosphaera wallichi, Helicopontosphaera* cf. *seminulum, Pontosphaera scutellum, Pontosphaera discopora, "Discolithina" phasceola, Aspidorhabdus stylifer, Ceratolithus cristatus, Discoaster brouweri* s.l., *Discoaster pentaradiatus, Discoaster surculus, "Discoaster aster", Sphenolithus abies.*
50	2			"Red clay" type. Mottled yellow-brown, silty clay with zeolites and a few zones of small calcite crystals; pellets of manganese oxides; few detrital minerals.	*Discoaster hamatus*	*Globorotalia acostaensis* ?	Planktonic Foraminifers: *Gg. nepenthes, Gg. venezuelana, Globigerinita* sp. *Ge. obliquus extremus, Ge. obliquus obliquus, Ge. ruber* s.l., *Ge. trilobus sacculifer, Ge. trilobus* s.l., *Gq. altispira* s.l., *Gq. dehiscens* s.l., *Gr. acostaensis, Gr. kugleri, Gr.* cf. *spinulosa, Orbulina* sp., *Se. seminulina* s.l., *Ss. subdehiscens* s.l., *Truncorotaloides* sp.
	3						
110	4			Olive green clay, mottled with brown and blue-green. Blue areas sandy (quartz). Glauconite and manganese pellets common.		*Globorotalia kugleri*	Planktonic Foraminifers: *Catapsydrax dissimilis* s.l., *Gg. cip. angustumbilicata, Gg. foliata, Gg. juvenilis, Gg. rohri, Gg. venezuelana, Gg.* sp., *Ge. trilobus primordius, Ge. trilobus* s.l., *Gq. altispira* s.l., *Gq. dehiscens* s.l., *Gr. hirsuta* s.l., *Gr. kugleri, Gr. mayeri* s.l., *Gr. menardii menardii, Gr.* cf. *pseudomenardii, Gr.* cf. *pseudoscitula.* Benthonic Foraminifers: *Amphistegina* cf. *taberana, Haplophragmoides* sp., *Miogypsina gunteri-tani, Miogypsina tani, Miogypsina* sp.
	5			Turbidite deposits. Interbedded (a): fine to medium grained quartz sand with planktonic and shallow water forams and detritals; white clayey cement is virtually all microcrystalline $CaCO_3$; (b): greenish-gray, sandy-silty clay with pellets of glauconite and manganese. Where recovered, contacts between clay and sand were all sharp.			Planktonic Foraminifers: *Catapsydrax dissimilis* s.l., *Gg. cip. angustumbilicata, Gg. foliata, Gg. juvenilis, Gg. uvula, Gg. venezuelana, Ge. trilobus primordius, Ge. trilobus* s.l., *Gq. altispira* s.l., *Gr. kugleri, Gr. mayeri* s.l., *Gr. menardii menardii, Globorotaloides* sp., *Globotruncana ventricosa* s.l., Benthonic Foraminifers: *Amphistegina* cf. *taberana, Heterostegina* sp. *Lepidocyclina* sp., *Miogypsina gunteri-tani, Miogypsina tani, Miogypsina* sp., *Siphogenerina stonei.* Calcareous Nannofossils: *Cyclococcolithus floridanus, Reticulofenestra bisecta, Discoaster saunderei, Triquetrorhabdulus carinatus.*
	6						
180	7			Basalt with diabasic or porphyritic texture, slightly vesicular. Mostly plagioclase (An >60%) and partially altered augite with minor accessory minerals. One piece has considerable alteration of feldspar to either zeolites or zoisite and of augite to an opaque mineral plus magnetite cubes. No glass visible. At the bottom is a band of hard, white rock, appm. 2 cm thick, that may be baked sediment.			Planktonic Foraminifers: *Gg. juvenilis, Gr. kugleri, Globorotaloides* sp.. Benthonic Foraminifers: *Miogypsina* sp. Calcareous Nannofossils: *Discoaster saunderei, D. nephados, D. woodringi, Sphenolithus abies, Coccolithus pelagicus, Cyclococcolithus floridanus, Triquetrorhabdulus carinatus.*
	8						
200	9			Fast coring rate indicates soft sediments.			

Stratigraphic summary chart—Leg 4, Site 23.