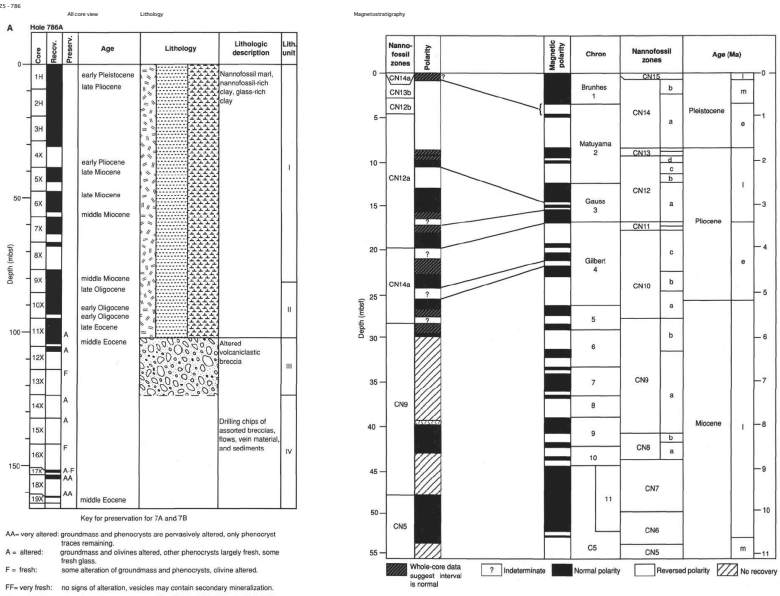
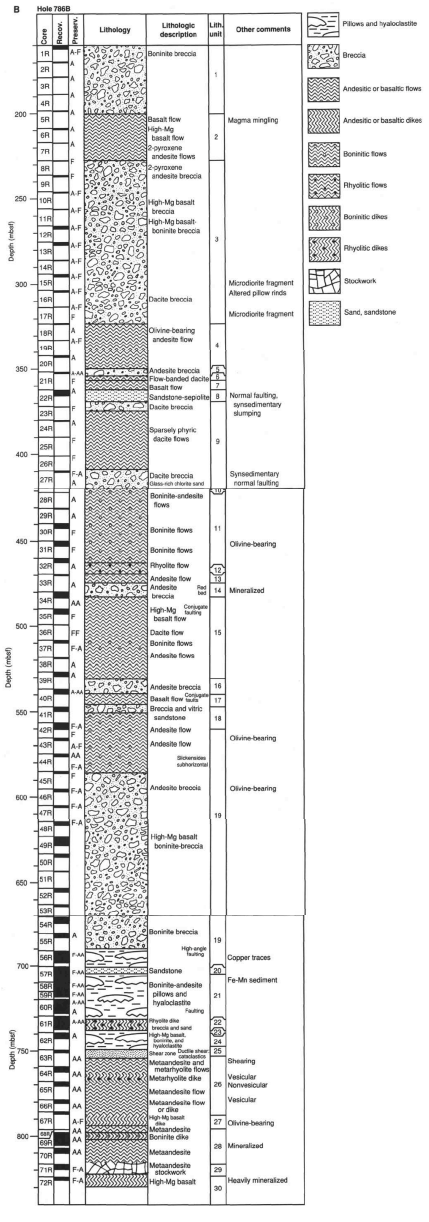

All core view
Lithology
Magnetostratigraphy
A
Hole 786A
Core
Recov.
Preserv.
Age
Lithology
Lithologic description
Lith. unit
Depth (mbsf)
early Pleistocene
late Pliocene
early Pliocene
late Miocene
late Miocene
middle Miocene
middle Miocene
late Oligocene
early Oligocene
early Oligocene
late Eocene
middle Eocene
middle Eocene
Nannofossil marl, nannofossil-rich clay, glass-rich clay
Altered volcaniclastic breccia
Drilling chips of assorted breccias, flows, vein material, and sediments
Key for preservation for 7A and 7B
AA= very altered: groundmass and phenocrysts are pervasively altered, only phenocryst traces remaining.
A = altered: groundmass and olivines altered, other phenocrysts largely fresh, some fresh glass.
F = fresh: some alteration of groundmass and phenocrysts, olivine altered.
FF= very fresh: no signs of alteration, vesicles may contain secondary mineralization.
Nanno-fossil zones
Polarity
Magnetic polarity
Chron
Nannofossil zones
Age (Ma)
Pleistocene
Pliocene
Miocene
Whole-core data suggest interval is normal
Indeterminate
Normal polarity
Reversed polarity
No recovery


B
Hole 786B
Core
Recov.
Preserv.
Lithology
Lithologic description
Lith. unit
Other comments
Depth (mbsf)
Boninite breccia
Basalt flow
High-Mg basalt flow
2-pyroxene andesite flows
2-pyroxene andesite breccia
High-Mg basalt breccia
High-Mg basalt-boninite breccia
Dacite breccia
Olivine-bearing andesite flow
Andesite breccia
Flow-banded dacite
Basalt flow
Sandstone-sepiolite
Dacite breccia
Sparsely phyric dacite flows
Dacite breccia
Glass-rich chert-bearing sand
Boninite-andesite flows
Boninite flows
Boninite flows
Rhyolite flow
Andesite flow
Andesite breccia
Red tuff
High-Mg basalt flow
Conjugate faulting
Dacite flow
Boninite flows
Andesite flows
Andesite breccia
Conjugate faults
Basalt flow
Breccia and vitric sandstone
Andesite flow
Andesite flow
Slickensides subhorizontal
Andesite breccia
High-Mg basalt boninite-breccia
Boninite breccia
High-angle faulting
Sandstone
Boninite-andesite pillows and hyaloclastite
Faulting
Rhyolite dike breccia and sand
High-Mg basalt, boninite, and hyaloclastite
Shear zone
Ductile shear foliation
Metaandesite and metarhyolite flows
Metarhyolite dike
Metaandesite flow
Metaandesite flow or dike
High-Mg basalt dike
Metaandesite
Boninite dike
Metaandesite
Metaandesite stockwork
High-Mg basalt
Microdiorite fragment
Altered pillow rinds
Microdiorite fragment
Synsedimentary normal faulting
Normal faulting, synsedimentary slumping
Magma mingling
Olivine-bearing
Mineralized
Olivine-bearing
Olivine-bearing
Copper traces
Fe-Mn sediment
Shearing
Vesicular
Nonvesicular
Vesicular
Olivine-bearing
Mineralized
Heavily mineralized
Pillows and hyaloclastite
Breccia
Andesitic or basaltic flows
Andesitic or basaltic dikes
Boninitic flows
Rhyolitic flows
Boninitic dikes
Rhyolitic dikes
Stockwork
Sand, sandstone
Age model
Age (Ma)
Pleistocene
Pliocene
Miocene
Oligocene
Eocene
8.8 m/m.y.
4.2 m/m.y.
1.1 m/m.y.
8.8 m/m.y.
1.4 m/m.y.