

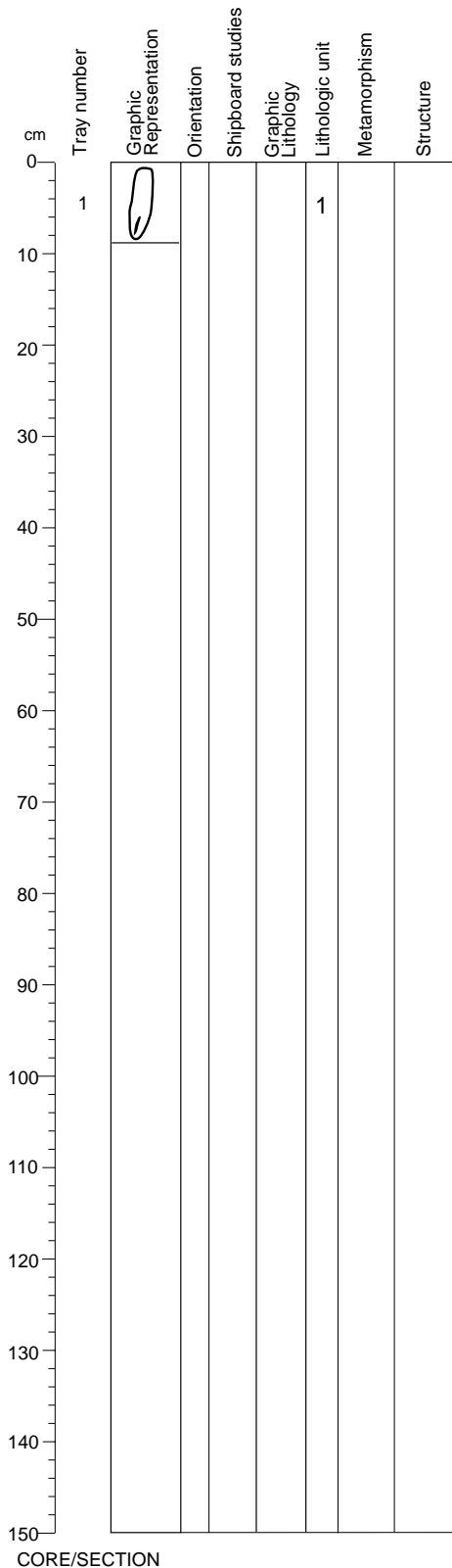
Core Photo

Site 1113 Hole A Core 1R Rec. 0.8% 0.00-10.1 mbsf									
METERS	SECTION	GRAIN SIZE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1									<p>EPIDOSITE</p> <p>Major Lithologies: Core consists of one very fine-grained rock, highly epidotized containing epidote, chlorite and calcite veins. Refer to Petrology Visual Core Description for more details.</p>



Core Photo

180-1113A-1R- CC (0.0-0.08 mbsf)



UNIT: 1 HETEROGENEOUS TALUS

TRAY: 1

Interval Location:	Core	Section	TRAY	Depth (mbsf)
Upper contact:	1R	CC	1	0.00
Lower contact:	1R	CC	1	0.08
Thickness (m): 0.08				
Contact Type: No contacts preserved.				

GENERAL: Tray contains one epidosite clast.

GRAIN SIZE: Very fine-grained

TEXTURE: Granular

STRUCTURE: none obvious

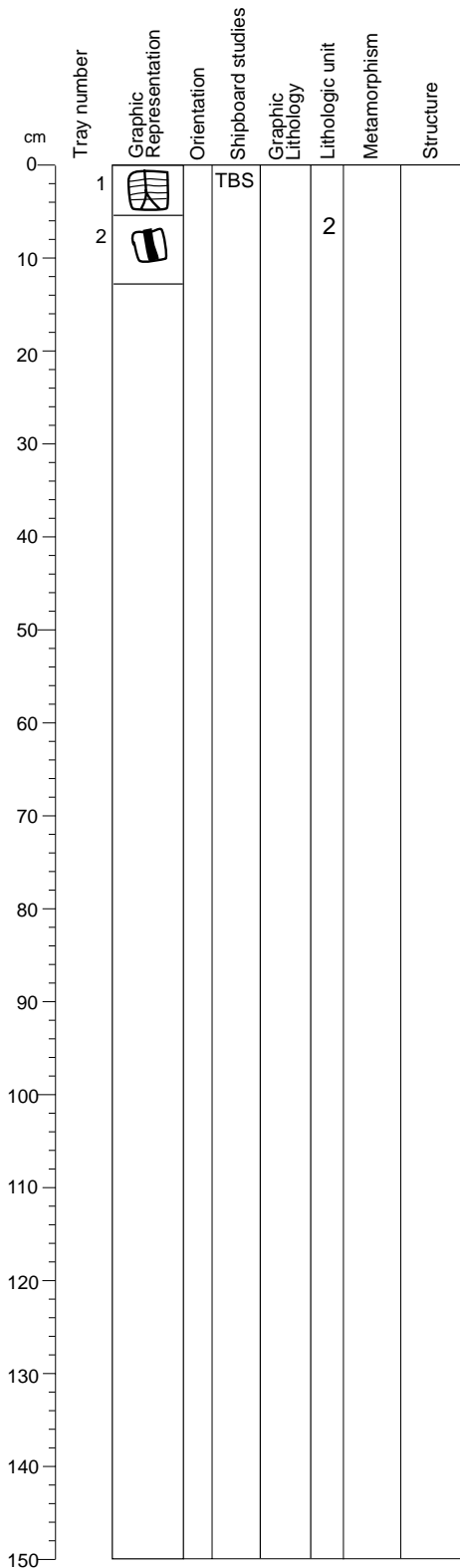
ALTERATION: Epidote and chlorite alteration with veins of calcite.

COMMENTS: Rock is possibly a hydrothermally altered dolerite, related to the less altered examples recognized in previous holes.

Core Photo

Site 1113 Hole A Core 2R Rec. 1.0% 10.1-20.2 mbsf									
METERS	SECTION	GRAIN SIZE	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION
1		granule very coarse coarse medium fine very fine silt clay							<p>SCHIST, EPIDOSITE</p> <p>Major Lithologies: Core contains a very fine-grained SCHIST with foliation planes underlined by calcite and black biotite or dark clay. A calcite vein crosscut foliation.</p> <p>Another piece consists of a EPDOSITE which is highly epidotized. The rock is cross-cut by a prominent 1.5mm-thick clacite vein. Texture appears to have been lepidoblastic but has been hydrothermally altered and subsequently sheared. There is also evidence of late brittle deformation as evidenced by cross faults filled with calcite. Refer to Petrology Visual Core Description for more details.</p>

Core Photo



180-1113A-2R- CC (10.10-10.23 mbsf)

UNIT: 1 HETEROGENEOUS TALUS

TRAY: 1

Interval Location:	Core	Section	TRAY	Depth (mbsf)
Upper contact:	2R	CC	1	10.10
Lower contact:	2R	CC	1	10.15
Thickness (m):	0.05			
Contact Type:	No contacts preserved.			

GENERAL: Tray contains one mylonite containing calcite and a very fine-grained dark mineral.

GRAIN SIZE: Very fine-grained
TEXTURE: Mylonitic
STRUCTURE: Deformed
ALTERATION: Calcite veins crosscut original foliation

COMMENTS: None

TRAY: 2

Interval Location:	Core	Section	TRAY	Depth (mbsf)
Upper contact:	2R	CC	2	10.15
Lower contact:	2R	CC	2	10.20
Thickness (m):	0.05			
Contact Type:	No contacts preserved.			

GENERAL: Tray contains one mylonite containing epidote and calcite veins.

GRAIN SIZE: Very fine-grained
TEXTURE: Mylonitic
STRUCTURE: Fractures filled with calcite.
ALTERATION: Pervasive , calcite veins crosscut original mylonitic texture.

COMMENTS: None

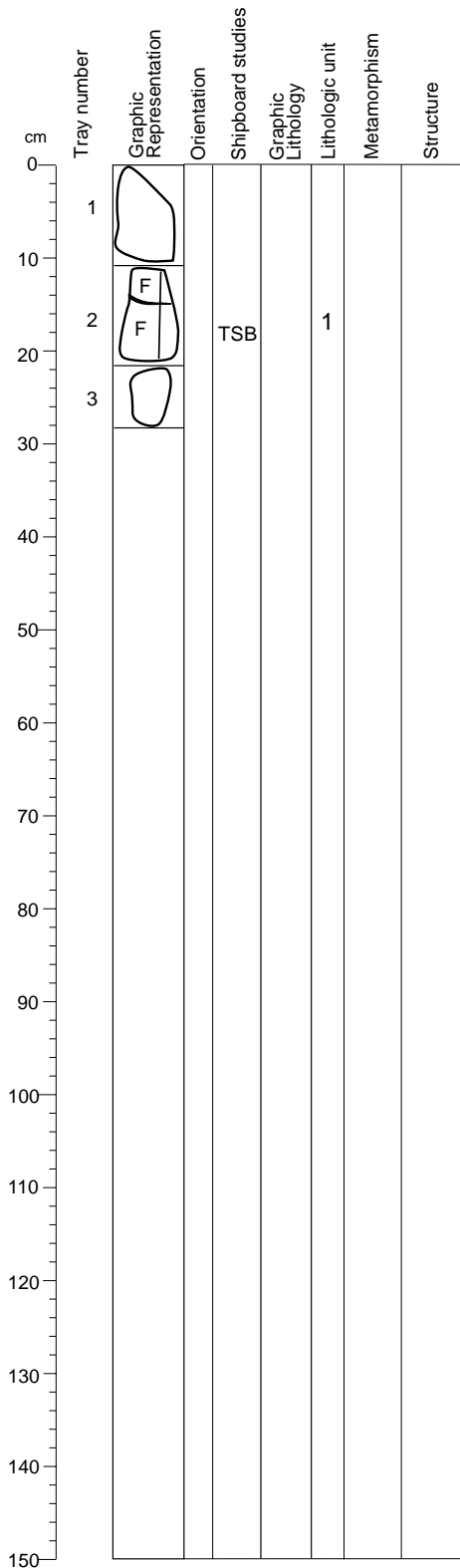
CORE/SECTION

Core Photo

Site 1113 Hole A Core 3R Rec. 5.2% 20.2-25.2 mbsf									
METERS	SECTION	GRAIN SIZE granule very coarse coarse medium fine very fine silt clay	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	DISTURB.	SAMPLE	DESCRIPTION

Core Photo

180-1113A-3R- 1 (20.20-20.48 mbsf)



UNIT: 1 HETEROGENEOUS TALUS

TRAYS: 1-3

Interval Location:	Core	Section	TRAY	Depth (mbsf)
Upper contact:	3R	1	1	20.20
Lower contact:	3R	1	3	20.52
Thickness (m): 0.32				
Contact Type: No contacts preserved.				

GENERAL: Trays contain similar original basic igneous rocks retrogressed under greenschist facies conditions.

GRAIN SIZE: Very fine-grained

TEXTURE: Mylonitic

STRUCTURE: Vertical and horizontal faults, slickensided.

ALTERATION: Pervasive, mylonitic foliation is overprinted by brittle deformation

COMMENTS: None

CORE/SECTION

180-1113A-2R-CC (0- 5 cm)

Thin section: # 130

ROCK NAME: Carbonate schist

GRAIN SIZE: Fine-grained

TEXTURE: Lepidoblastic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
White mica	5	?	0.1		Platy	Elongated in the foliation plane
Quartz	20	20	0.1-0.2		Euhedral	Lenses of fine-grained quartz elongated in the foliation plane
SECONDARY MINERALOGY		PERCENT		REPLACING/ FILLING		COMMENTS
Calcite	70			Plagioclase, vein	0.5	Granular calcite in the matrix and coarse-grained calcite in veins (1 mm wide) cross-cutting the foliation plane.
Pyrite	5			Subhedral		

COMMENTS: Intensely altered rocks, calcite and quartz are dominant, indicating hydrothermal alteration. Primary mineralogy made of white micas, plagioclase, and quartz.

180-1113A-3R-1 (Piece 2, 17 - 20 cm)

Thin section: # 131

ROCK NAME: Epidote Mica-schist

GRAIN SIZE: Fine-grained

TEXTURE: Lepidoblastic

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
White mica	40	?	0.1-0.2		Platy	Elongated in the foliation plane.
Quartz	20	20	0.1-0.2		Euhedral	Lenses of small quartz elongated in the foliation. plane.
Plagioclase	10	0.2			Anhedral	
SECONDARY MINERALOGY	PERCENT	REPLACING/ FILLING		COMMENTS		
Chlorite	5	Muscovite		Platy.		
Epidote	20	Plagioclase		Subhedral yellow rectangular grains, small granular gains forming layer.		
Pyrite	5		0.3	Granular.		

COMMENTS: Altered mica-schist, ductile deformation evidence by the development of the foliation plane, brittle deformation evidence by the boudinage of epidote-rich layers and opening of fractures.