

149-897D-13R-6

UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

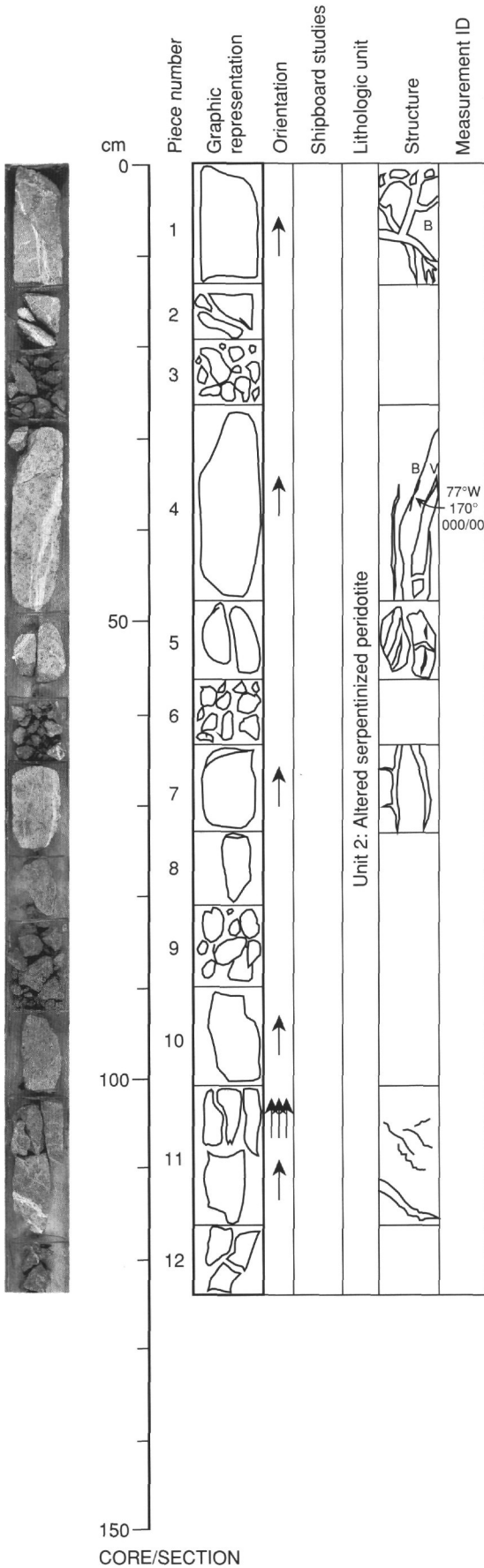
Pieces 1 to 12

COLOR: Moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Late brittle deformation expressed as calcite-filled fractures.

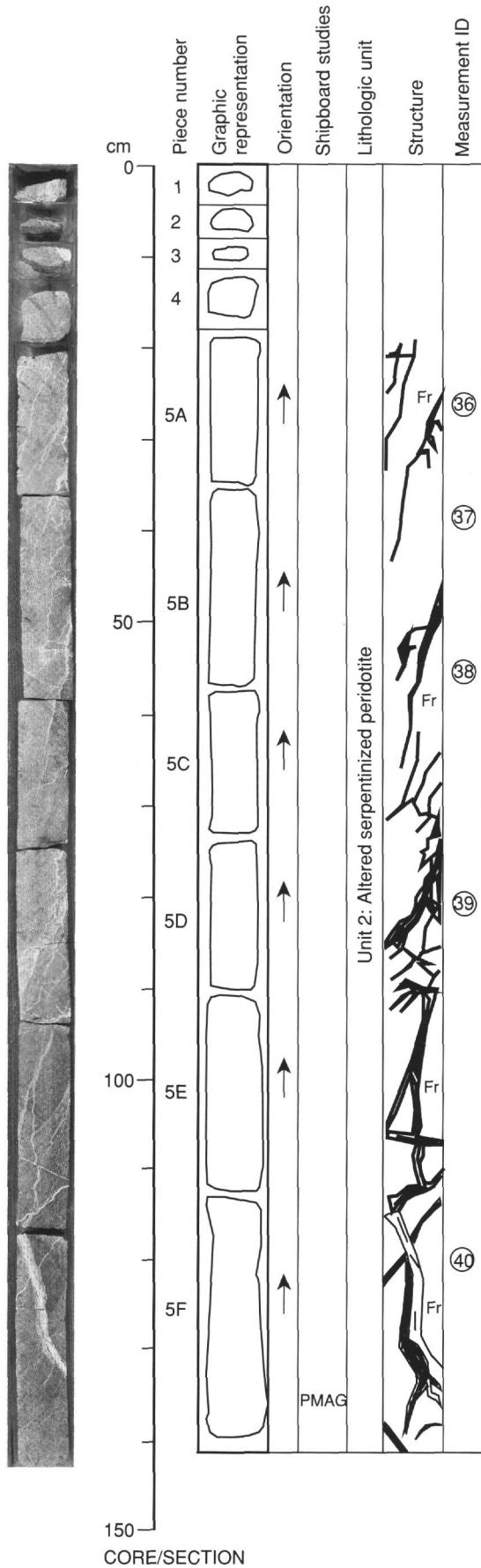
SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.
ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1 to 5F

COLOR: Moderate brown (5YR 4/4) to light brown (5YR 5/6).
LAYERING: No obvious layering.
DEFORMATION: Late brittle deformation expressed as calcite-filled fractures.
SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.
ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



149-897D-14R-2

UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1A to 2

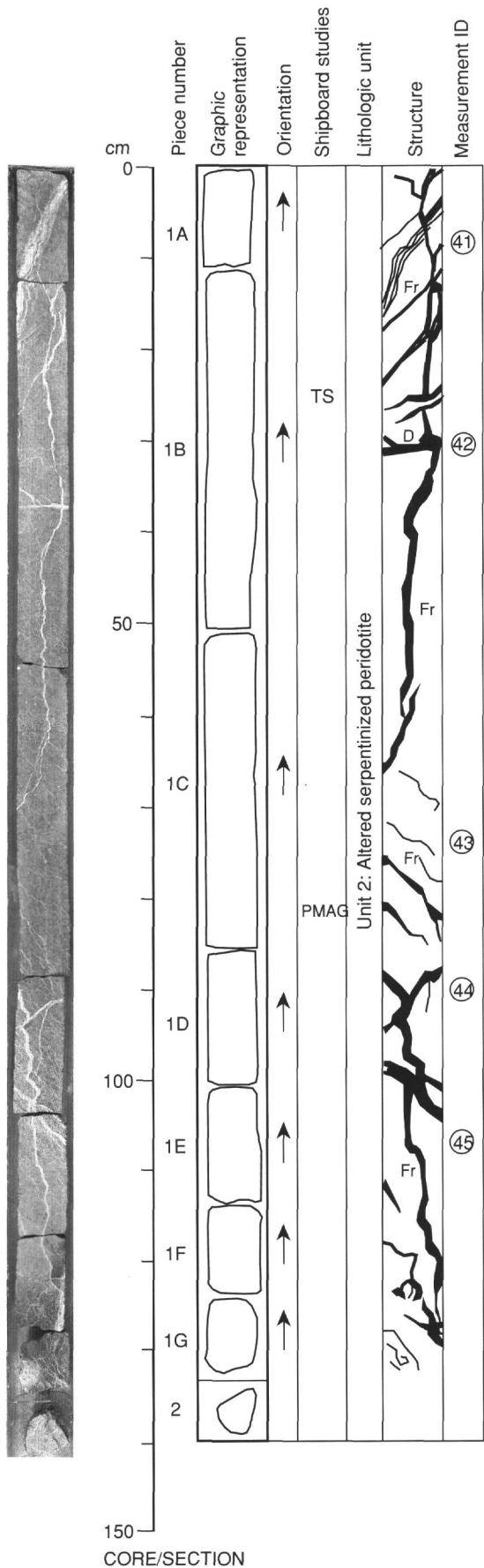
COLOR: Moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: Late brittle deformation with reticulate pattern of calcite-filled fractures.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1 to 9

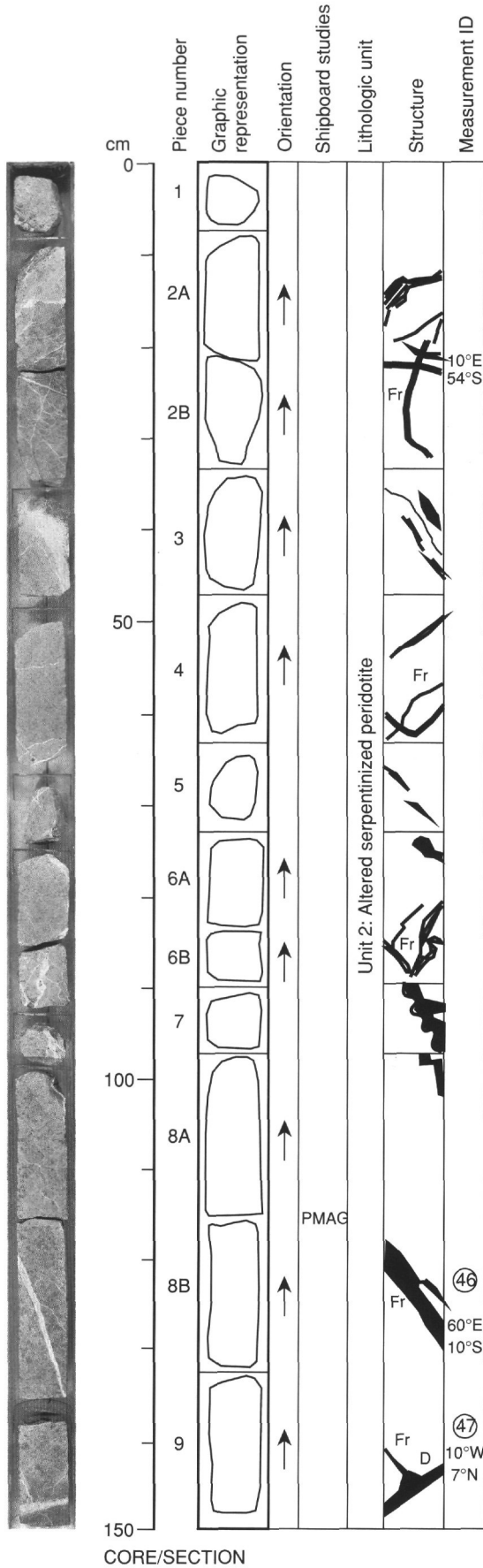
COLOR: Moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Reticulate pattern of calcite-filled fractures make up about 20% of the rock.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



149-897D-14R-4

UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1 to 13

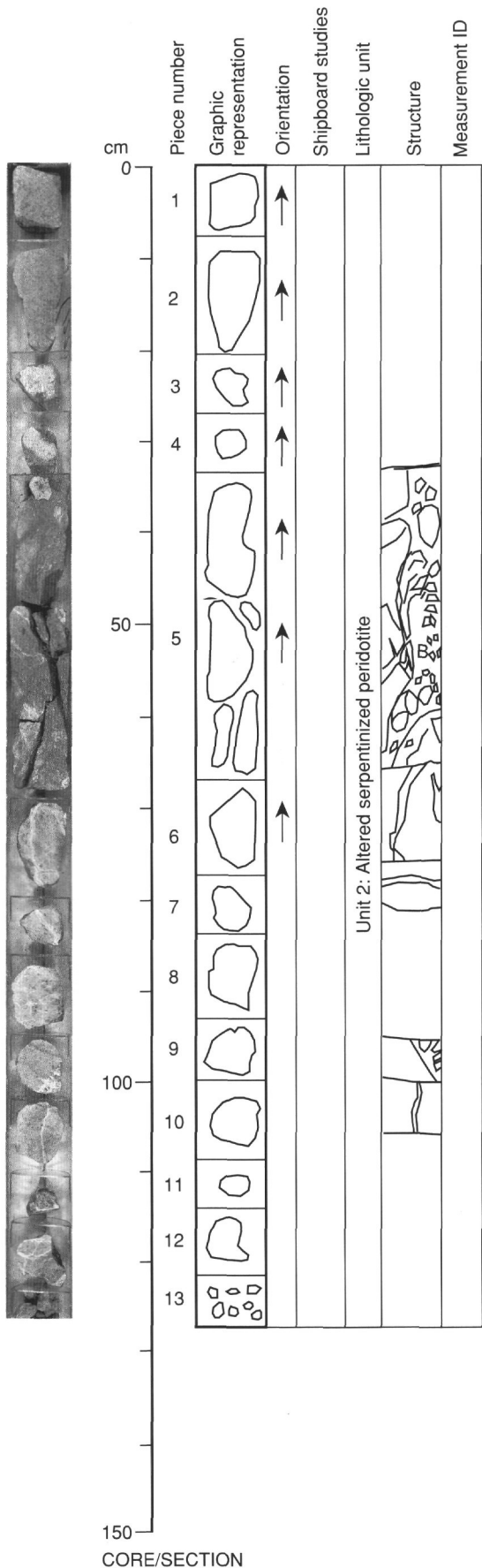
COLOR: Mottled, moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Complex pattern of calcite-filled fractures make up about 15% of the rock.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



149-897D-14R-5

UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1 to 4

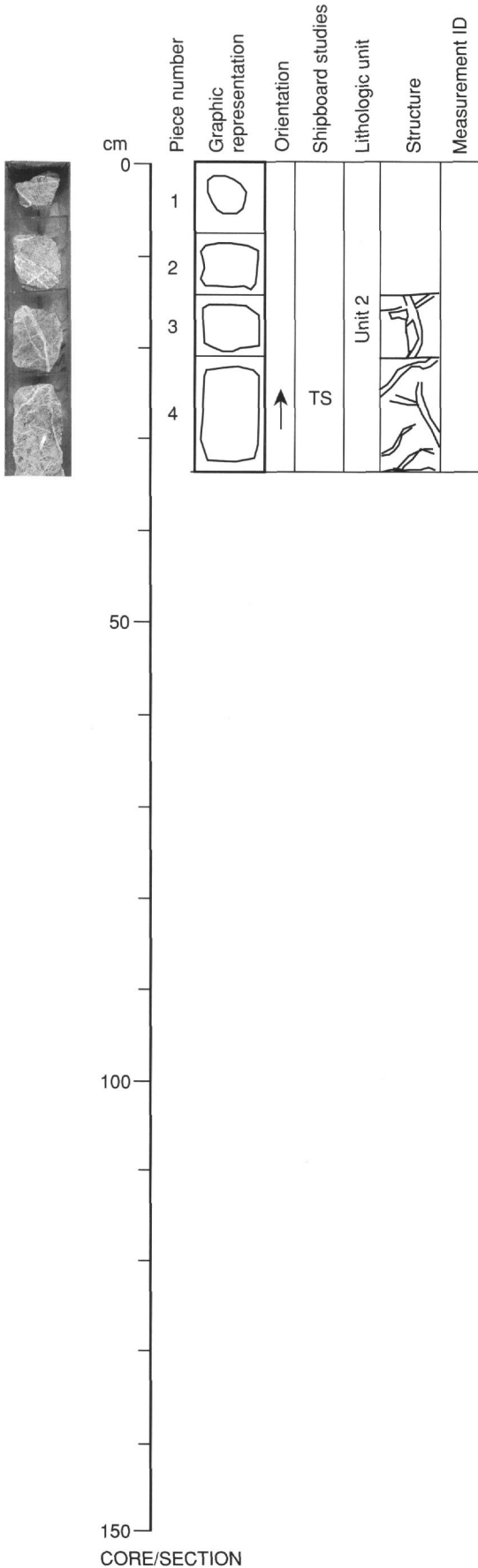
COLOR: Mottled, moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Complex pattern of calcite-filled fractures make up about 15% of the rock.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



149-897D-15R-1

UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1 to 19

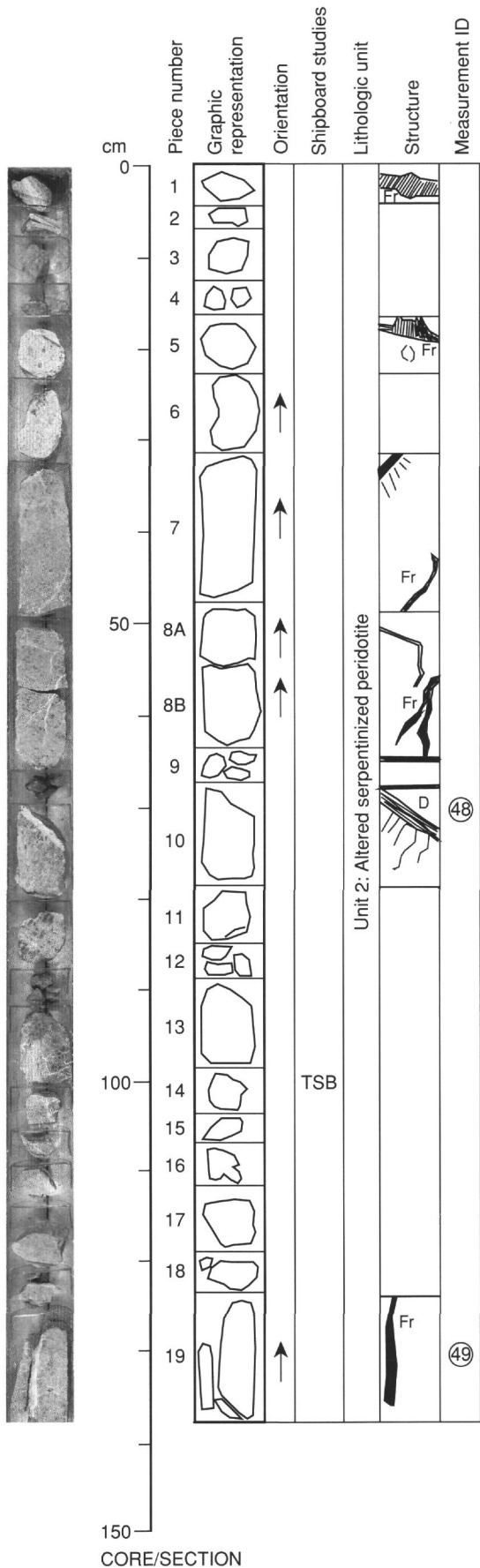
COLOR: Mottled, moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

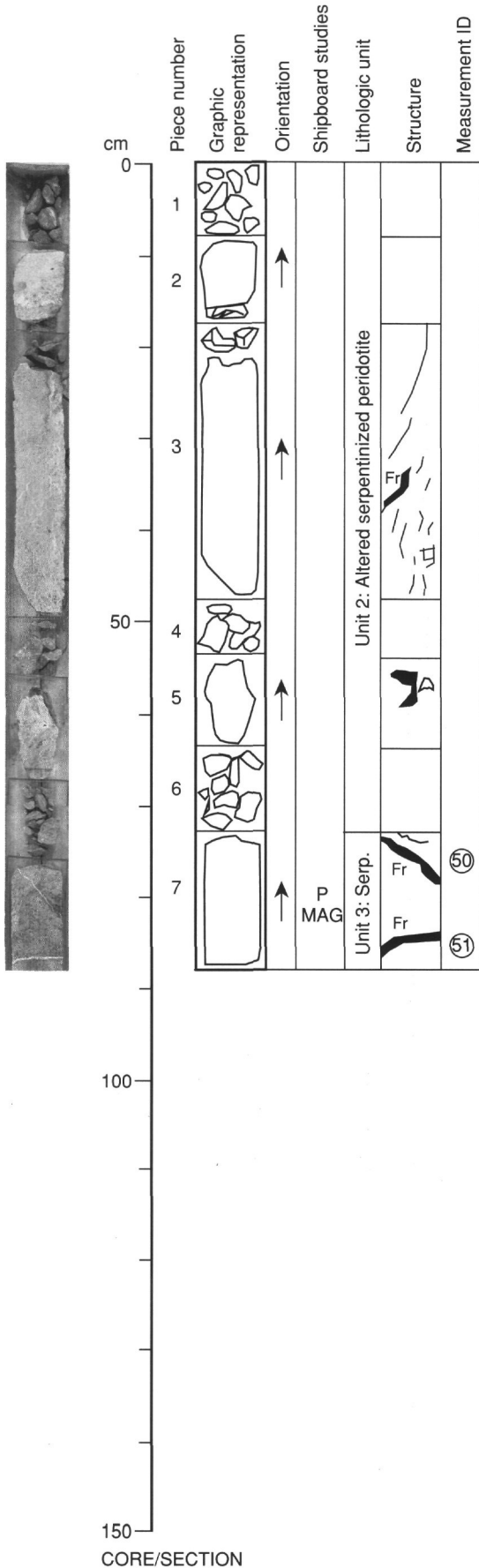
DEFORMATION: No obvious ductile deformation. Complex pattern of calcite-filled fractures make up about 10%–15% of the rock.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of the primary and secondary mineralogy. Unit continues to Section 149-897D-15R-2. This is a zone of alteration at the top of the basement.



149-897D-15R-2



UNIT 2: ALTERED SERPENTINIZED PERIDOTITE

Pieces 1-6

COLOR: Mottled, moderate brown (5YR 4/4) to light brown (5YR 5/6).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Complex pattern of calcite-filled fractures make up about 15% of the rock.

SECONDARY MINERALOGY: Yellow limonite(?) alteration superimposed on serpentinization.

ADDITIONAL COMMENTS: Unit continues from Section 149-897D-11R-1. Refer to the description of that section for details of primary and secondary mineralogy. Unit ends with Piece 6. Contact with underlying greenish layer was not recovered.

UNIT 3: SERPENTINIZED PERIDOTITE

Piece 7 only

COLOR: Dark yellowish brown (10YR 4/2) and dusky green (5G 3/2).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Late brittle deformation expressed by reticulate pattern of calcite-filled fractures.

PRIMARY MINERALOGY:

- Olivine - Mode: 78%.
Percent replacement: 100%.
- Pyroxene - Mode: 20%.
Percent replacement: 100%.
- Spinel - Mode: 2%.
Percent replacement: 0%.

SECONDARY MINERALOGY: The primary mineralogy is extensively destroyed by serpentinization and later calcite veining.
Total percent: 98%.

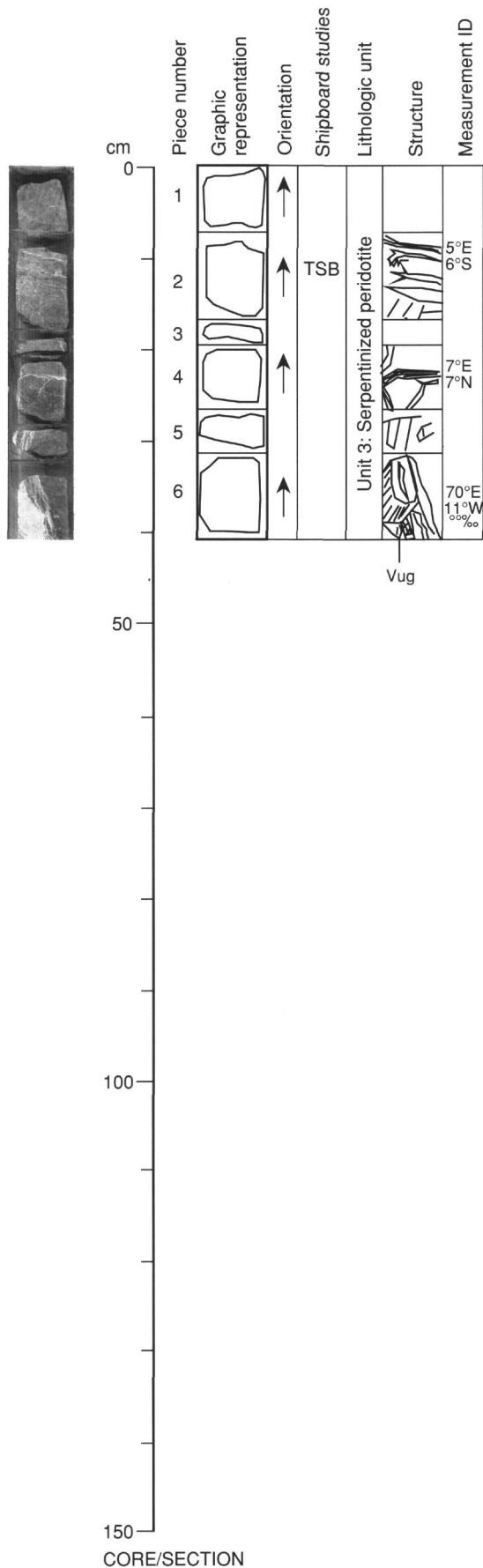
Texture: Mesh serpentinite.

ADDITIONAL COMMENTS: Unit 3 is a mixed unit of predominantly green serpentinite within a larger limonite(?) -altered zone at the top of the basement. Unit continues Section 149-897D-16R-1.

149-897D-16R-1

UNIT 3: SERPENTINIZED PERIDOTITE

Pieces 1 to 6



COLOR: Dusky green (5G 3/2) to dark greenish gray (5GY 4/1).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Late brittle deformation expressed by reticulate pattern calcite-filled fractures.

PRIMARY MINERALOGY:

- Olivine - Mode: 78%.
Percent replacement: 100%.
- Pyroxene - Mode: 20%.
Percent replacement: 100%.
- Spinel - Mode: 2%.
Percent replacement: 0%.

SECONDARY MINERALOGY: The primary mineralogy is extensively destroyed by serpentinization and later calcite veining.

- Total percent: 98%.
- Texture: Mesh serpentinite
- Vein material: Dark serpentine pseudomorphs delineate the margins of a pyroxene-rich vein, associated with veins of sulfide.

ADDITIONAL COMMENTS: Unit continues into Section 149-897D-16R-2 and starts in Section 149-897D-15R-2, Piece 7.

UNIT 3: SERPENTINIZED PERIDOTITE

Pieces 1A-1G

COLOR: Dusky green (5G 3/2) to greenish black (5GY 2/1).

LAYERING: No obvious layering.

DEFORMATION: No obvious ductile deformation. Late brittle deformation expressed by calcite-filled, and less commonly serpentine-filled fractures.

ADDITIONAL COMMENTS: Primary veinlets of pyroxenite (1-2 cm thick), largely calcified and serpentinized at 38, 58, and 69 cm. They display a zonation with dark serpentinite borders, and lighter serpentinite in the centers. Unit continues from Section 149-897D-16R-1. Refer to the description of that section for details of primary and secondary mineralogy.

