



PRELIMINARY LITHOSTRATIGRAPHY OF PISTON CORES FROM THE
BEAUFORT SEA CONTINENTAL SLOPE OFF NORTHEASTERN ALASKA

BY
R. LAWRENCE PHILLIPS, ARTHUR GRANTZ, MICHAEL W. MULLEN,
AND JAMES M. WHITE

1991

Rock-color chart

Hue 5B
SB 5/1 Medium bluish gray
SB 6/1 Bluish gray

Hue 5G
SG 2/1 Greenish black
SG 4/1 Dark greenish gray
SG 6/1 Greenish gray

Hue 5Y
SY 2/1 Olive black
SY 3/1 Olive gray
SY 3/2 Olive gray
SY 4/1 Olive gray
SY 4/2 Olive brown
SY 4/4 Moderate olive brown
SY 5/1 Light olive gray
SY 5/2 Light olive gray
SY 5/6 Light olive gray
SY 6/1 Light olive gray
SY 6/2 Light olive gray
SY 6/4 Dusky yellow
SY 7/2 Yellowish gray

Hue 5GY
SGY 2/1 Greenish black
SGY 3/1 Greenish black
SGY 4/1 Dark greenish gray
SGY 5/1 Greenish brown

Hue 5YR
SYR 2/1 Dusky brown
SYR 3/2 Grayish brown
SYR 5/2 Pale brown
SYR 6/4 Light brown

Hue 10Y
10Y 4/2 Grayish olive

Hue 10YR
10YR 2/2 Dusky yellowish brown
10YR 3/2 Dark yellowish brown
10YR 4/2 Dark yellowish brown
10YR 4/4 Moderate yellowish brown
10YR 5/4 Moderate yellowish brown
10YR 6/2 Pale yellowish brown

N1 Black
N2 Grayish black
N3 Dark gray
N4 Medium dark gray
N5 Medium gray
N6 Medium light gray

Rock Color Chart, 1980.
Geological Society of America,
Huykes-Enschede Co., Netherlands

Explanation

Ice-rafted strata

Ice-rafted clasts (to 9.3cm)

Laminated strata

Distorted laminae

Inclined strata

Flow-in (result of coring)

Deformed strata (slump)

Fining-up bed

Mud to sandy mud

Bioturbation

Pebble bed

Pelecypods

Contact between ice-rafted strata and possible pre ice-rafted strata.

Contact between soft mud and overconsolidated sediment.

ACKNOWLEDGEMENTS

We thank CAPT. Robert E. Hammond II and the crew of the U.S. COAST GUARD CUTTER POLAR STAR for their dedicated hard work that enabled us to achieve a very successful cruise. We also thank the Geological Survey of Canada for their support of this cruise.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.