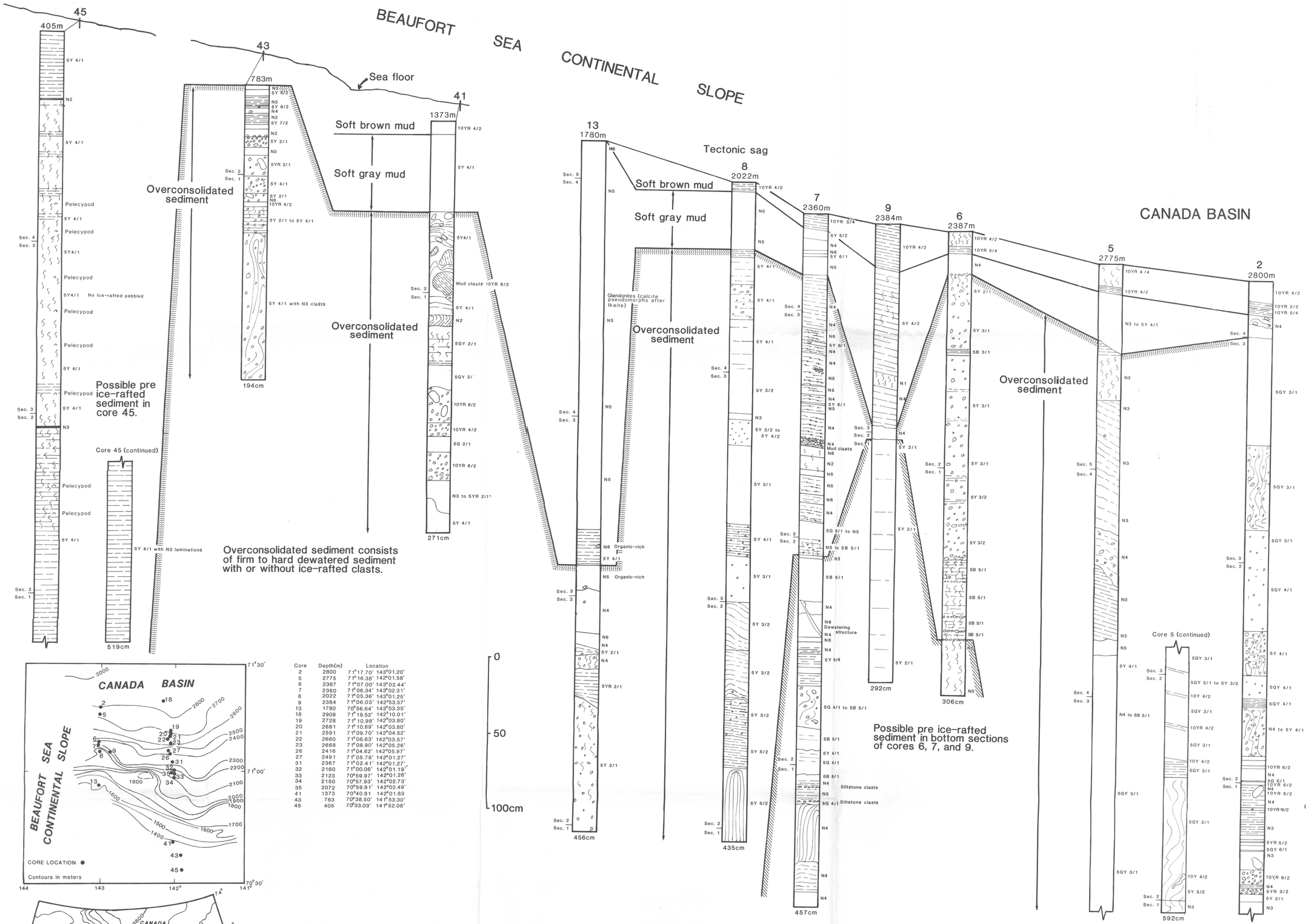
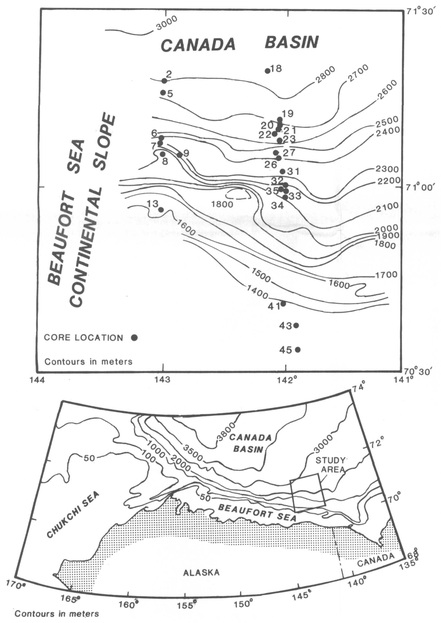
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
91-34
SHEET 1 OF 2





Core	Depth(m)	Location
2	2800	71°17.70′ 143°01.20′
5	2775	71°16.38′ 142°01.58′
6	2387	71°07.00′ 143°02.44′
7	2360	71°06.34′ 143°02.31′
8	2022	71°05.36′ 143°01.25′
9	2384	71°06.03′ 142°53.57′
13	1780	70°56.64′ 143°03.35′
18	2909	71°19.52′ 142°10.01′
19	2728	71°10.98′ 142°03.80′
20	2681	71°10.69′ 142°03.80′
21	2591	71°09.70′ 142°04.52′
22	2660	71°08.63′ 142°03.57′
23	2668	71°08.90′ 142°05.26′
26	2416	71°04.62′ 142°05.97′
27	2491	71°05.78′ 142°01.27′
31	2367	71°02.41′ 142°01.27′
32	2160	71°00.06′ 142°01.19′
33	2123	70°59.97′ 142°01.26′
34	2150	70°57.93′ 142°02.73′
35	2072	70°59.91′ 142°02.49′
41	1373	70°40.81′ 142°01.83
43	783	70°38.50′ 141°53.30′
45	405	70°33.03′ 141°52.08′

Rock-color chart

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

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

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

Hue 5GY
5GY 2/1 Greenish black
5GY 3/1 Greenish black
5GY 4/1 Dark greenish gray
5GY 6/1 Greenish gray

Hue 5YR
5YR 2/1 Dusky brown
5YR 3/2 Grayish brown
5YR 5/2 Pale brown
5YR 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, Huyskes-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.

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

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.