MGG 1 [illegible] 5004

UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF OCEANOGRAPHY

HILO EXPEDITION

March-April 1962

LIST OF CORES

Copied from Shipboard Logs

Depths Corrected by Matthews' Tables

HILO 1G 18 March 1962, 0945 hrs.; 31°33'N, 120°57'W; depth 3800 m.; core length 179 cm. Red clay.

HILO 2G 22 March 1962, 1030-1159 hrs.; 28°15'N, 127°37'W; depth 4560 m.; core length 131 cm. Red clay.

HILO 3G 24 March 1962, 1105-1240 hrs.; 24°47'N, 134°31'W; depth 4700 m.; core length 106 cm. Brown-red clay.

HILO 4G 27 March 1962, 0810-1000 hrs.; 22°57'N, 143°58'W; depth 4750 m.; core length 10 cm. in plastic box. Brown clay with Mn nodule.

HILO 5G 27 March 1962, 1030-1205 hrs.; 22°57'N, 143°58'W; depth 4850 m.; core length 98 cm. Light brown clay; several small 1 to 2 cm. Mn nodules seen throughout core.

HILO 6G 29 March 1962, 1325-1530 hrs.; 23°01'N, 150°41 W; depth 5350 m.; core length 52 cm. Red clay.

HILO 7G 30 March 1962, 0812-1018 hrs.; 22°59'N, 152°59' W; depth 5060 m.; core length 38 cm. Core raised upside down. Appears to be mixed and disturbed. Very loose, gritty sediment, mostly medium to dark brown mud with some silt and many poorly aggregated lumps of mud.

HILO 8G 4 April 1962, 0010-0230 hrs.; 20°02'N, 156°42'W; depth 4780 m.; core length 140 cm. Top half green mud, remainder appears to be black and brown layers. Basin floor of Hawaiian Deep.

HILO 9G 5 April 1962, 0623-0809 hrs.; 19°05'N, 157°16'W; depth 4600 m.; core length 117 cm. Light brown sandy silt.

HILO 10G 7 April 1962, 0233-0430 hrs.; 22°23'N, 156°30'W; depth 4700 m.; core length 15 cm. Compact brown clay. Hawaiian Arch.

HILO 11G 7 April 1962, 0830-1018 hrs.; 22°23'N, 156°30'W; depth 4615 m.; core length 90 cm. Light brown clay. Hawaiian arch.

HILO 12G 8 April 1962, 0740-0922 hrs.; 23°36'N, 156°05'W; depth 4270 m.; core length 150 cm. Reddish-brown clay. Bottom approx. 10 cm. placed in plastic box. Outer Hawaiian Ridge.

HILO 13G 11 April 1962, 1015-1202 hrs., 21°56'N, 154°48'W; 4650 m., core length approx. 26 cm. Bottom approx. 38 cm. slopped onto deck, part of which is in plastic box. Soft brown mud. Outer Hawaiian Ridge.

HILO 14G 11 April 1962, 1439-1635 hrs.; 21°56'N, 154°50'W; depth 4650 m.; core length 69 cm. Brown mud. Outer Hawaiian Ridge.

HILO 15G 12 April 1962, 0353-0525 hrs.; 23°07'N, 156°09'W; depth 4260 m.; core length 69 cm. Mottled brown mud. Outer Hawaiian Ridge. Approximately reoccupying Challenger Station 259.

HILO 16G 12 April 1962, 1405-1525 hrs.; 23°07'N, 156°11'W; depth 4220 m.; core length 107 cm. Brown mud, the top 10 cm. separated from remainder by a darker layer. Smooth bottom on outer Hawaiian Ridge.

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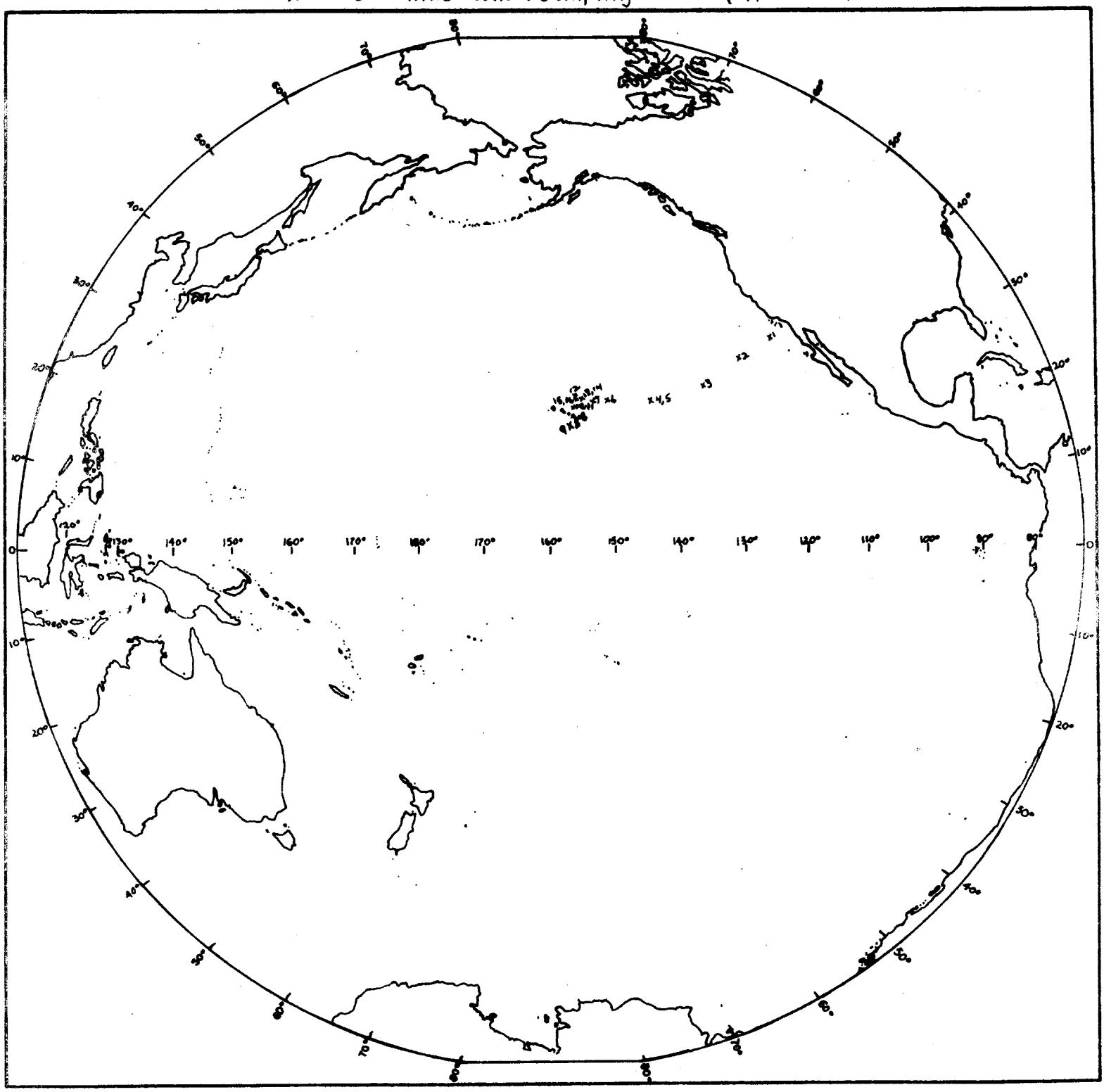
A Guide to HILO Bottom Sampling Stations (Approximate)