MCGT 59 5008

UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF COEANOGRAPHY

SOUTHERN BORDERLAND EXPEDITION

SB —Spencer F. Baird February-March 1960

OR —Orca August 1960

LIST OF CORES AND DREDGE SAMPLES

Copied from Ship-board Logs

Depths corrected by Matthews' Tables

MCG 5 9 5008

CORES

SOB 2: 12 Feb. 1960, 2240-2300 hrs.; 31°33'N, 117°01'W; depth 1280 m.; core length 126 cm.; olive-green silt. Flat basin 20 miles SW of Punta Banda.

SOB 4: 13 Feb. 1960, 0835 hrs.; 31°15'N, 117°44'W; depth 1931 m.; core length 122 cm.; greenish-brown mud. In a basin.

SOB 8: 14 Feb. 1960, 1130-1152 hrs.; 30°50'N, 117°58'W; depth 1170 m.; core length 20 cm.; clayey sand with manganese grains and forams. On top of outer ridge.

SOB 9: 14 Feb. 1960, 1245 hrs.; 30°55'N, 117°53'W; depth 2070 m.; core length 127 cm.; blue mud, brown at top. Basin to east of outer ridge.

SOB 11: 15 Feb. 1960, 0305 hrs.; 30°18'N, 117°31'W; depth 3244 m.; core length 122 cm.; greenish-brown mud. Bottom of narrow basin. Corer came up upside-down. Part of top may be lost.

SOB 14: 16 Feb. 1960, 1310 hrs.; 29°17'N, 117°32'W; depth 4087 m.; core length 188 cm.; brown clay. Basin east of Guadalupe.

SOB 15: 17 Feb. 1960, 0145-0245 hrs.; 28°58'N, 117°31'W; depth 3525 m.; core length 269 cm.; tan and brown mottled clay. Proposed Mohole site.

SOB 16: 17 Feb. 1960, 2015-2118 hrs.; 29°10'N, 116°43'W; depth 4082 m.; core length 223 cm.; brown and mottled at top, grading to dark bluish-grey at bottom. Cedros Deep.

SOB 18: 18 Feb. 1960, 1803-1847 hrs.; 29°59'N, 116°34'W; depth 2840 m.; core length 141 cm.; tan at top, grading to brownish blue silty clay at bottom. Basin San Quintin.

SOB 23: 13 Mar. 1960, 1430 hrs.; 31°19'N, 118°59'W; depth 905 m.; a teaspoonful of sand and gravel. On outer ridge.

SOB 24: 13 Mar. 1960, 1700 hrs.; 31°07'N, 118°39'W; depth 2143 m.; core length 49 cm.; grey blue mud.

SOB 26A: 14 Mar. 1960, 1850-1935 hrs.; 30°33'N, 118°08'W; depth 2975 m.; core length 162 cm.; brown at top, greyish blue below.

SOB 29: 15 Mar. 1960, 2335-0015 hrs.; 29°33'N, 117°01'W; depth 2580 m.; core length 141 cm.; blue mud. In NW extension of Cedros Deep.

SOB 31A: 16 Mar. 1960, 1940 hrs.; 29°52'N, 116°49'W; depth 1270 m.; core length 73 cm.; mottled calcareous mud. On crest of long narrow ridge.

SOB 32: 16 Mar. 1960, 2330-0030 hrs.; 30°12'N, 117°01;W; depth 2920 m.; core length 102 cm.; blue mud. In a basin.

SOB 34: 17 Mar. 1960, 1212-1235 hrs.; 30°45'N, 117°09'W; depth 1625 m.; core length 112 cm.; brownish to greenish clay.

SOB 35: 17 Mar. 1960, 1620-1755 hrs.; 30°51'N, 117°03'W; depth 2410 m.; core length 114 cm.; blue mud.

SOB 36: 17 Mar. 1960, 2058-2200 hrs.; 31°04'N, 116° 41'W; depth 1510 m.; core length 74 cm.; greenish silt.

SOB 37: 18 Mar. 1960, 0818-0836 hrs.; 31°49'N, 117°00'W; depth 1100 m.; greenish mud.

SOB 39: (Orca) 5 Aug. 1960, 2240-2338 hrs.; 28°55'N, 117°29'W; depth 3520 m.; core length 168 cm. Tan mud. Sent to Bascom.

SOB 40: (Orca) 6 Aug. 1960, 1400 hrs.; 29°07'N, 117°26'W; depth 3560 m.; core length 10 cm. Tan mud.

DREDGE HAULS

SOB 1: 12 Feb. 1960, 1940 hrs.; 31°38'N, 116°52'W; depth 460-180 m.; 10 gunny sacks of rocks. West edge of bank, 10 miles SW of Punta Banda.

SOB 5: 13 Feb. 1960, 1400-1930 hrs.; 31°17'N, 117°35'W. to 31°21'N, 117°40'W; depth 2100-2120 m.; 5 gunny sack of cobbles of basalt, manganese, etc.

SOB 6: 14 Feb. 1960, 0213-0410 hrs.; 31°17'N, 118°28'W; depth 650 m.; 5 bags plus one large rock - basalt. Top of outer ridge.

SOB 10: 14 Feb. 1960, 2208 hrs.; 30°12'N, 117°38'W; depth 1300 m.; 5 gunny sacks - dolomite, manganese, phosphorite and sandstone. Top of outer massive ridge.

SOB 12: 15 Feb. 1960, 1520-2030 hrs.; 29°42'N, 117°10'W to 29°45'N, 117°12'W; depth 2750 m.; tar, clay, pumice and artefacts. Trough, continuation of Cedros Deep.

SOB 13: 16 Feb. 1960, 0638-0815 hrs.; 29°31'N, 117°17'W; depth 820-540 m.; 4 bags - pumice, volcanic ash and basalt, some covered with manganese crust.

SOB 17: 18 Feb. 1960, 0400 hrs.; 29°37'N, 116°31'W; depth 567-495 m.; 4 gunny sacks - volcanic rock and dolomite.

SOB 19: 9 Mar. 1960; 31°05'N, 116°30'W; depth 146 m.; a jar of green sandy mud. Shelf near Cabo Colnett.

SOB 20: 12 Mar. 1960, 1605 hrs.; 31°23'N, 118°03'W; depth 1040 m.; 11 gunny sacks and one large manganese boulder.

SOB 21A: 13 Mar. 1960, 0040 hrs.; 31°19'N, 118°45'W; depth 420-510 m.; a few small pieces of trachyte.

SOB 22: 13 Mar. 1960, 1140 hrs.; 31°21'N, 119°03'W; depth 915 m.; 9 gunny sacks - shale, sandstone and manganese.

SOB 25: 13 Mar. 1960, 2115-2330 hrs.; 31°05'N, 118°37'W; depth 1650-1830 m.; approximately 20 lbs. basalt cobbles and manganese.

SOB 27: 14 Mar. 1960, 2215 hrs.; 30°18'N, 117°40'W; depth 1060 m.; 5 gunny sacks and a large boulder - sandstone and manganese.

SOB 28A: 15 Mar. 1960, 1535-2100 hrs.; 29°25'N, 117°28'W; depth 3730-3370 m.; 3 gunny sacks of basaltic vesicular glass and a large boulder.

SOB 30: 16 Mar. 1960, 0745-1000 hrs.; 29°36'N, 116°52'W; depth 585 m.; 4 gunny sacks - vesicular basalt and consolidated ash.

SOB 31: 16 Mar. 1960, 1540-1835 hrs.; 29°52'N, 116°51'W; depth 1260 m.; one cobble, with borings.

SOB 33: 17 Mar. 1960, 0900 hrs.; 30°37'N, 117°13'W; depth 650-750 m.; 2 gunny sacks - basalt agglomerate and sponges.

SOB ~~37~~ 38: 18 Mar. 1960, 2340 hrs.; 31°15'N, 116°50'W; depth 970 m.; 3 gunny sacks and two boulders - sedimentary rock.