DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Principal Facts for 113 Gravity Stations in the Salton Sea 1 by 2 Degree Quadrangle, Southern California

by

Maryann G. Helferty and Craig F. Erdman[1]

Open-File Report 85- 520

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

[1]U.S. Geological Survey, Menlo Park CA

TABLE OF CONTENTS

Principal Facts for 113 Gravity Stations in the Salton Sea 1 by 2 Degree Quadrangle, Southern California

Introduction

Principal facts are presented for 113 recently established gravity stations in the Salton Sea Quadrangle. Regional gravity surveys were conducted in 1983 and 1984 as part of the mineral resource appraisals for Bureau of Land Management (BLM) Wilderness Study Areas shown in Figure 1. The purpose of this report is to provide succinct documentation for the contoured geophysical maps and mineral resource bulletins to be published later. The data set extends from lat 32°55' N. to lat 34°00' N. and lon 114°30' W to lon 116°5' W

The format of the data set is shown in Table 1. Various corrections have been applied to the gravity data yielding the complete bouguer and isostatic residual anomalies listed in Table 2. Identification labels of the new stations are plotted in Figures 2 through 5.

Methods

Principal facts are listed for the 113 USGS stations and include the latitude, longitude, elevation, observed gravity, accuracy code, and terrain corrections as well as the free air, simple bouguer, complete bouguer, and isostatic anomalies. Errors in residual gravity values may arise from inaccuracies in station location, gravimeter drift and flaws in the digital terrain model. The combined effect of such errors is probably less than 1.0 to 1.5 mGal based on the discussion of estimated gravity effects of such errors in Snyder and others, 1982.

The reference spheroid used for theoretical gravity was the GRS 1967 (International Union of Geodesy and Geophysics, 1971). The gravity datum used

is the (International Gravity Standardization Network) IGSN 1971 (Morelli, 1974). Two IGSN 1971 observed gravity base stations were used in the survey. For the western study areas, data was reduced relative to the observed gravity of 979 526.07 mGal at INDIO J (IGB: 12036K) at the Indio Airport, California. Base Station YUMA[1] (ACIC Reference Number 0446-1) along Ave 3E in Yuma, Arizona (Jablonski, 1974) was used for the eastern study areas with an observed gravity of 979 508.84 mGal.

The inner zone terrain corrections were manually calculated to a radius of 0.59 km, equivalent to the outer radius of the Hayford-Bowie zone D (Swick, 1942). Computer calculated terrain corrections from 0.59 to 166.7 km were made using a FORTRAN program by Plouff (1977). This computation of the complete Bouguer anomaly assumes a density of 2.67 g/cm. Isostatic anomalies were calculated based on a sea level crustal thickness of 25 km; topographic density of 2.67 g/cm; and a lower crust-upper mantle density contrast of 0.4 g/cm (Jachens and Roberts, 1981).

[1]See appendix for an updated description of this station location.

References

International Union of Geodesy and Geophysics, 1971, Geodetic reference system 1967: International Association of Geodesy Special Publication no. 3, 116 p.

Jablonsky, B. M., 1974, World relative gravity reference network North America, Parts 1 and 2: U.S. Defense Mapping Agency Aerospace Center Reference Publication no. 25, 1974, 1261 p.

Jachens, Robert C., and Roberts, Carter W., 1981, Documentation of a FORTRAN program, "isocomp", for computing isostatic residual gravity: U. S. Geological Survey Open-File Report 81-574, 26 p.

Morelli, C. (Ed.), 1974, The International Gravity Standardization Net, 1971: International Associaton of Geodesy Special Publication no. 4, 194 p.

Plouff, Donald, 1977, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topography digitized on a geographic grid: U.S. Geological Survey Open-File Report 77-535, 45 p.

Snyder, D. B., Roberts, C. W., Saltus, R. W., and Sikora, R. F., 1982, A magnetic tape containing the principal facts of 64,026 gravity stations in the state of California: available from National Technical Information Service, U. S. Department of Commerce, Springfield, VA 22152, PB 82-168287 [description of magnetic tape, PB 82-168279], magnetic tape, 34 p.

Swick, C. A., 1942, Pendulum gravity measurements and isostatic reductions: U.S. Coast and Geodetic Survey Special Publication 232, 82 p.

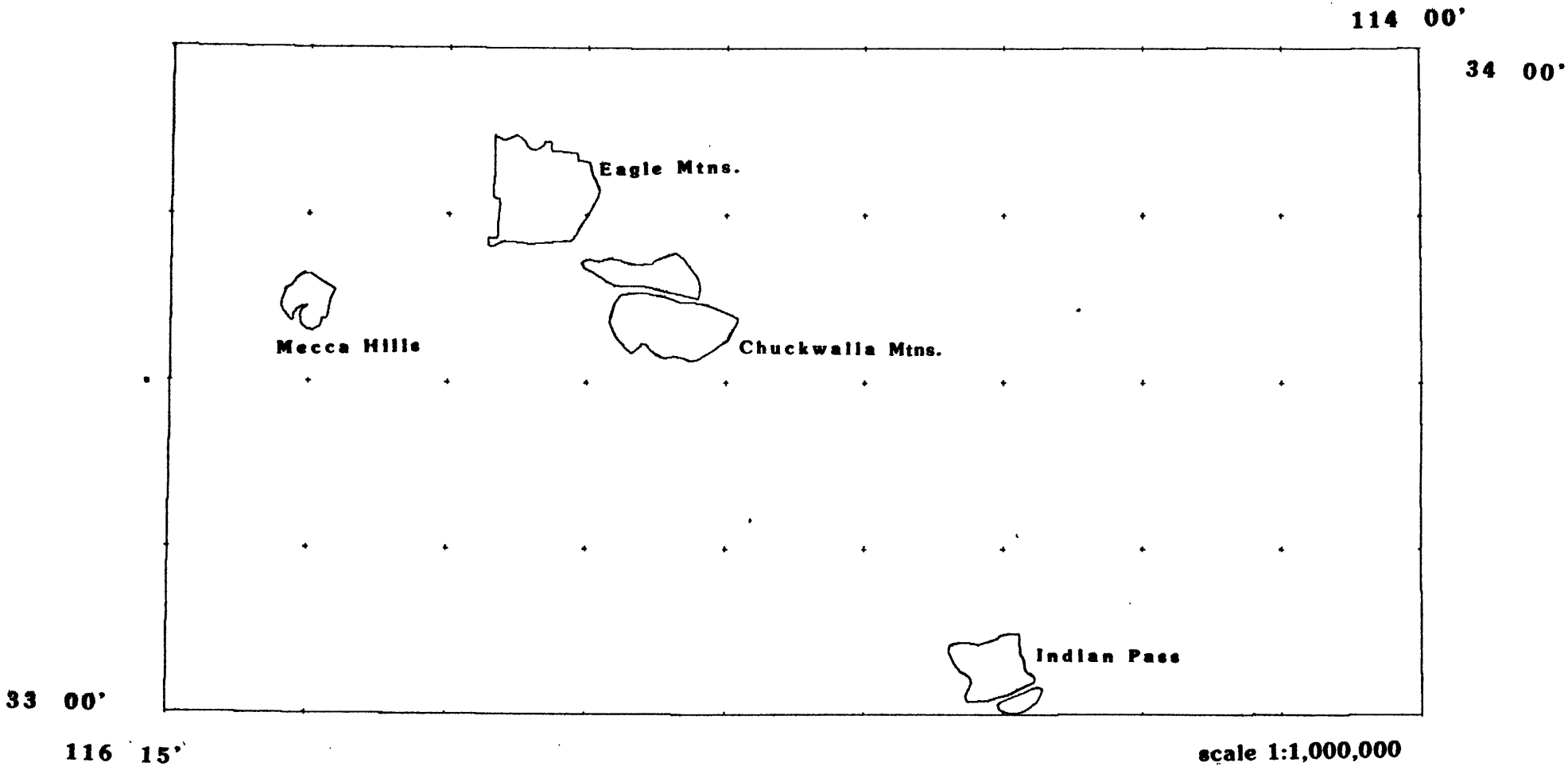

Figure 1. BLM Wilderness Study Areas in the Salton Sea Quadrangle, Southern California

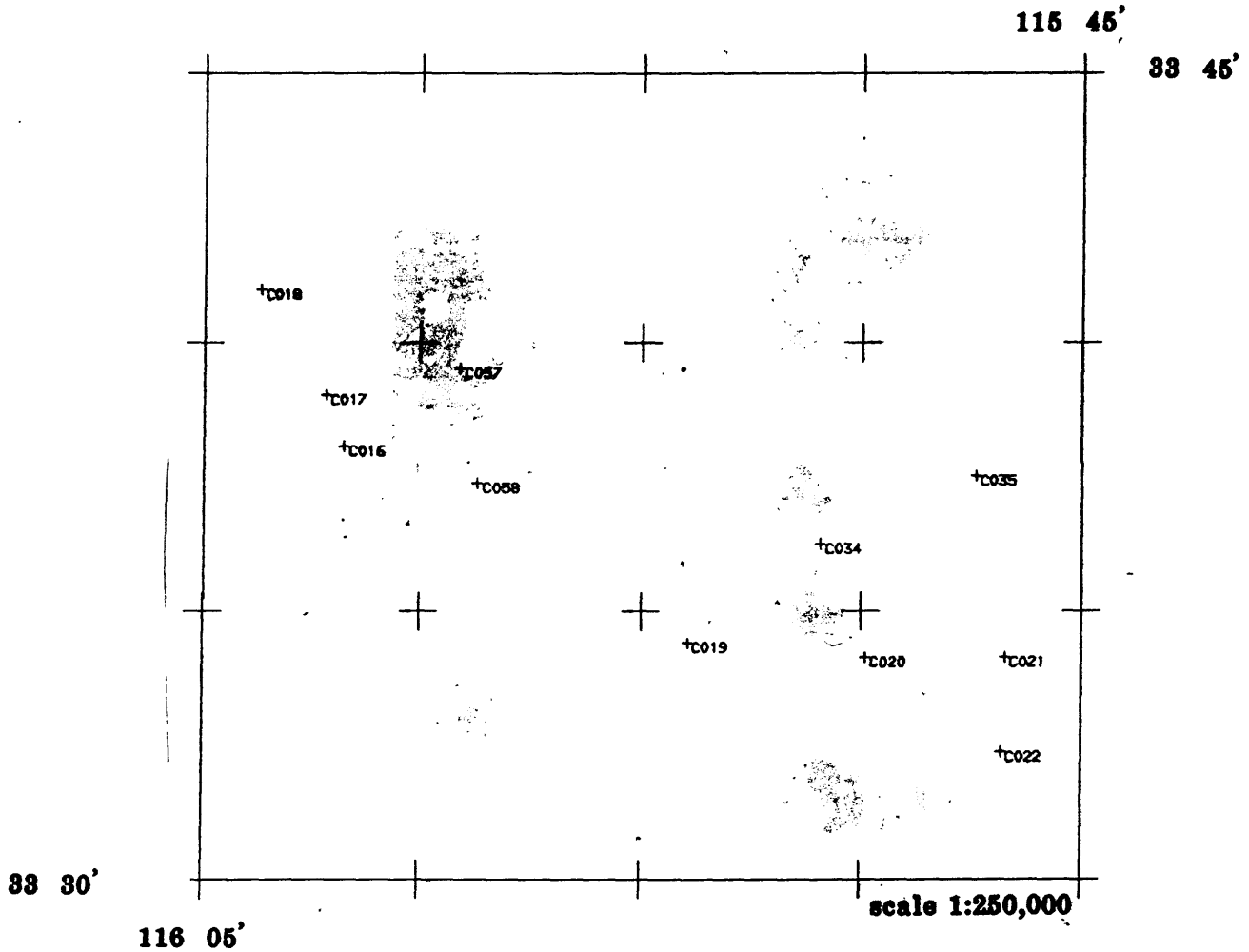

Figure 2. **USGS Gravity stations in the Mecca Hills and western part of the Chuckwalla Mtns.**

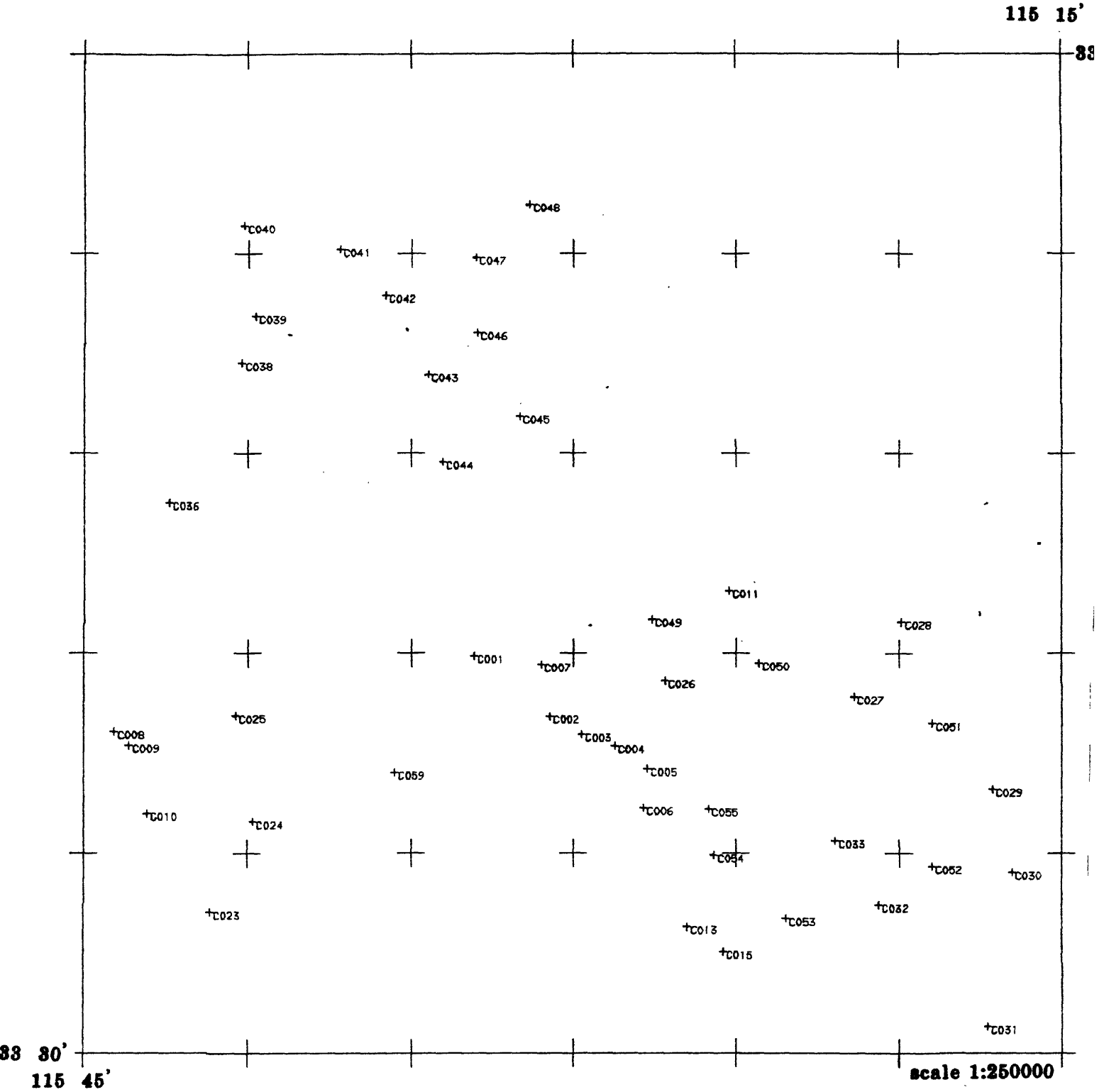

Figure 8. USGS Gravity stations in the Eagle Mtns and eastern part of the Chuckwalla Mtns.

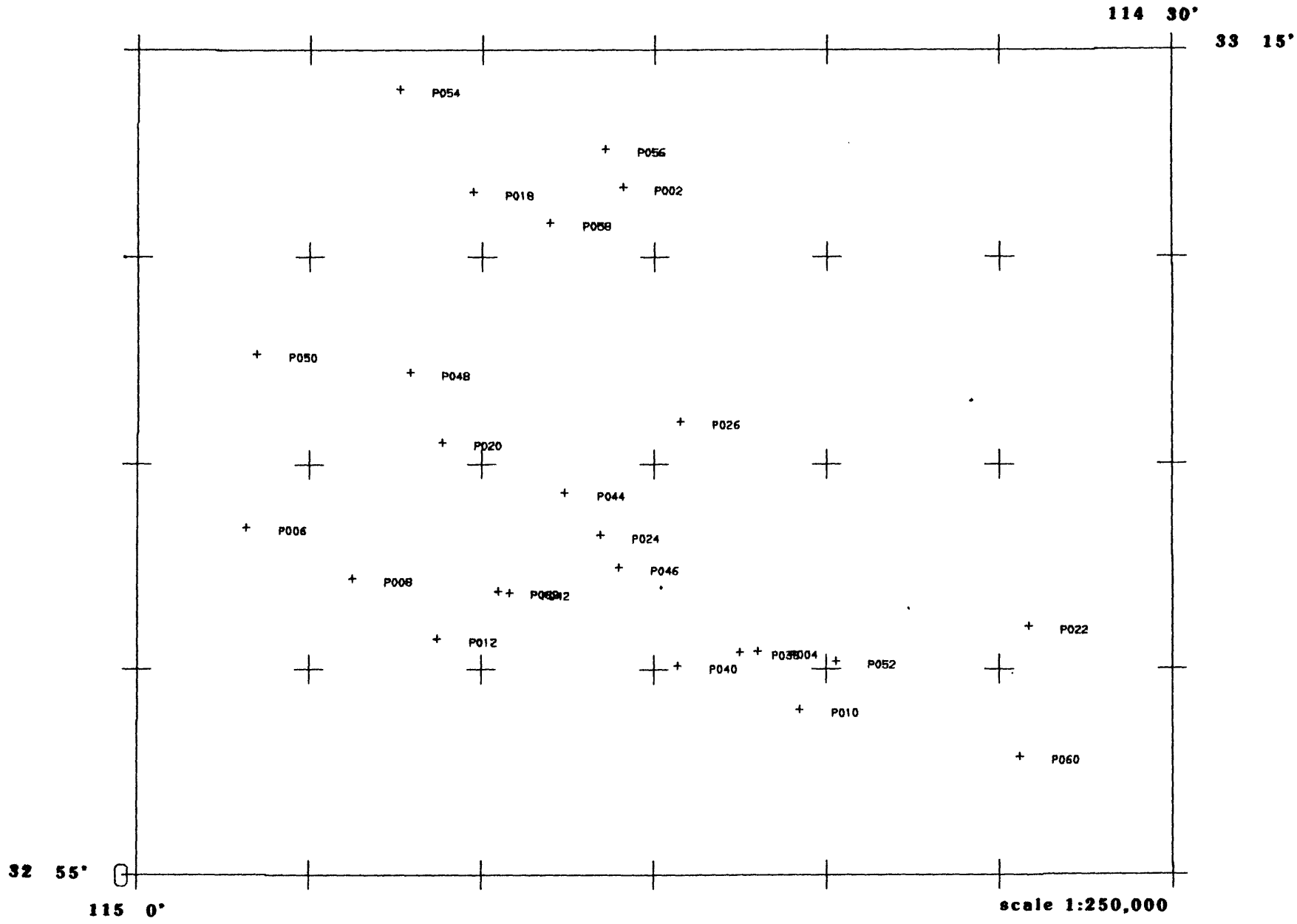

Figure 4. USGS Gravity stations in the Peter Kane and Indian Pass Wilderness Study Areas

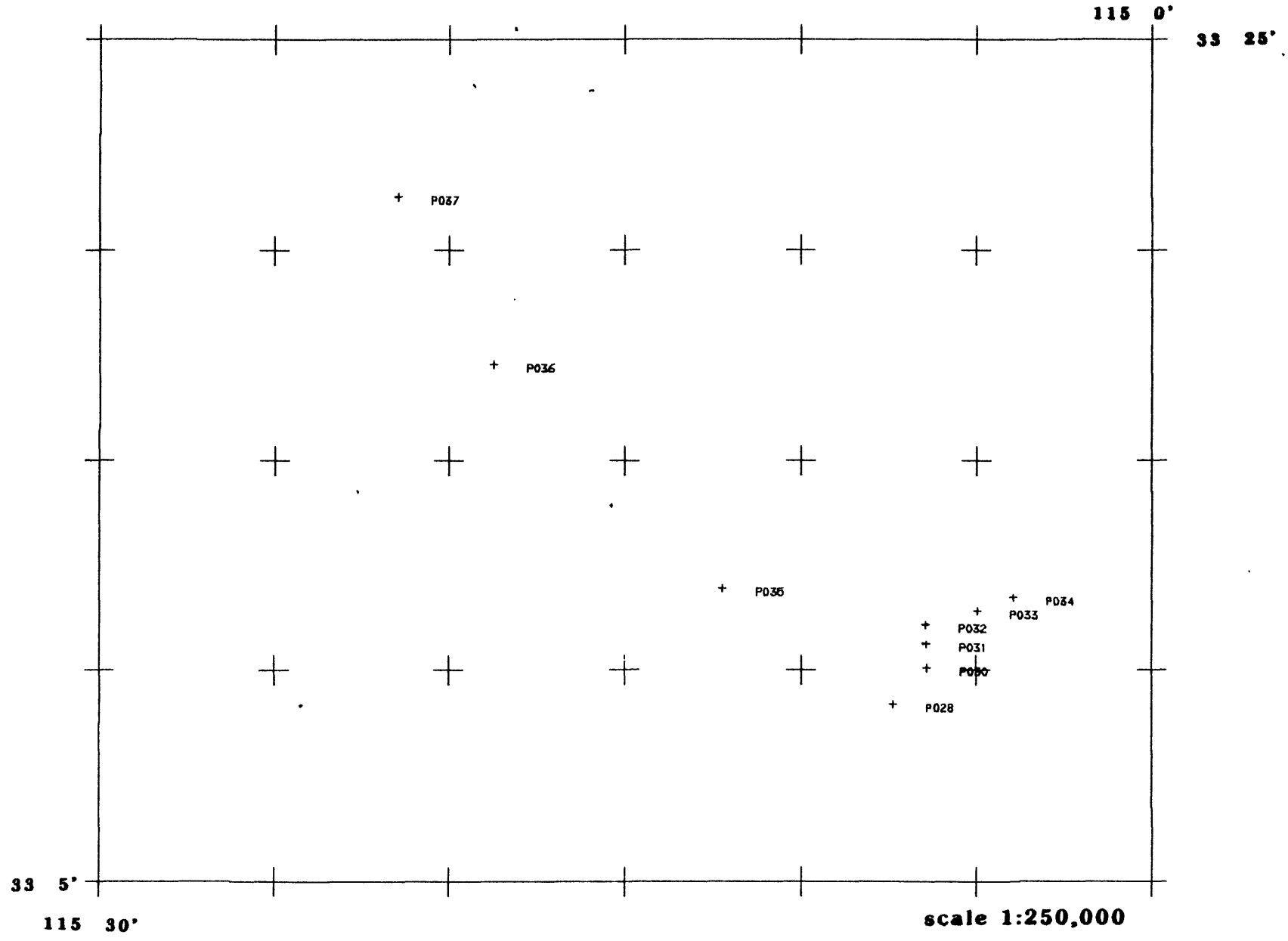

Figure 5. USGS Gravity stations in the southern Chocolate Mtns.

Table 1. Principal Facts Format

STATION	-abbreviated station identification consisting of 5 characters
LAT	-latitude in degrees and decimal minutes
LONG	-longitude in degrees and decimal minutes
ELEV	-elevation to 0.01 ft
OG	-observed gravity to 0.01 mGal
AC	-accuracy code consisting of one letter and three digits representing elevation, location and observed gravity accuracies as discussed by Snyder and others, 1982
FAA, SBA	-Free air and simple Bouguer anomalies, respectively, each to 0.01 mGal
INNER, TC	-Terrain correction, to 0.01 mGal. INNER column represents correction calculated outward from each station to 0.59 km; TC column represents total correction to 166.7 km
CBA1	-complete Bouguer anomaly, to 0.01 mGal
ISO	-isostatic residual anomaly, to 0.01 mGal

Table. 2. Principal Facts for 114 Gravity Stations in the Salton Sea Sheet

STATION NAME	LAT deg	LAT min	LONG deg	LONG min	ELEV feet	OG mGal	AC CODE	FAA mGal	SBA mGal	INNER mGal	TC mGal	CBA1 2.67	ISO 2.67
C001	33	39.93	115	33.09	1453.0	979453.78	G543	-30.12	-79.68	0.01	0.70	-79.56	-31.26
C002	33	38.42	115	30.75	1708.0	979444.32	G543	-13.50	-71.76	0.01	0.69	-71.73	-24.96
C003	33	37.98	115	29.74	1827.0	979438.91	G543	-7.10	-69.42	0.01	0.87	-69.25	-22.97
C004	33	37.68	115	28.72	1946.0	979432.75	G543	-1.66	-68.03	0.01	1.05	-67.72	-21.88
C005	33	37.11	115	27.73	2184.0	979418.98	G543	7.74	-66.75	0.70	1.91	-65.65	-20.36
C006	33	36.14	115	27.84	2310.0	979407.70	G543	9.67	-69.12	1.12	2.54	-67.44	-22.64
C007	33	39.71	115	31.02	1551.0	979456.22	G543	-18.16	-71.06	0.01	0.76	-70.91	-23.32
C008	33	38.04	115	44.07	1823.0	979441.89	G543	-4.58	-66.76	0.01	1.06	-66.41	-18.26
C009	33	37.70	115	43.62	1879.0	979438.82	G543	-1.92	-66.01	0.01	1.04	-65.69	-17.97
C010	33	36.01	115	43.07	2147.0	979427.99	G543	14.81	-58.42	0.29	1.64	-57.59	-11.84
C011	33	41.56	115	25.21	1235.0	979484.59	G543	-22.08	-64.20	0.71	1.91	-62.79	-16.45
C013	33	33.15	115	26.51	2243.0	979411.49	G543	11.30	-65.20	0.73	2.20	-63.83	-20.96
C015	33	32.53	115	25.41	2628.0	979388.19	G543	25.07	-64.57	2.17	4.41	-61.10	-18.78
C016	33	38.05	116	1.72	1642.0	979442.56	B543	-20.95	-76.96	2.05	8.42	-69.18	-20.28
C017	33	39.01	116	2.15	1068.0	979488.64	G543	-30.19	-66.61	3.27	4.98	-62.07	-11.91
C018	33	40.97	116	3.70	1109.0	979486.46	B543	-31.24	-69.06	1.89	4.14	-65.38	-12.61
C019	33	34.41	115	53.93	1224.0	979500.33	G543	2.56	-39.19	2.48	5.71	-33.98	9.35
C020	33	34.14	115	49.90	1880.0	979454.91	G543	19.21	-44.91	2.37	6.67	-38.96	4.03
C021	33	34.14	115	46.73	3815.0	979322.17	B543	68.43	-61.69	3.89	20.48	-42.44	0.63
C022	33	32.36	115	46.81	1832.0	979452.12	G543	14.37	-48.11	5.16	11.20	-37.62	3.24
C023	33	33.51	115	41.15	2175.0	979423.92	G543	16.84	-57.34	2.93	5.77	-52.39	-9.50
C024	33	35.78	115	39.84	2221.0	979413.28	G543	7.38	-68.38	2.16	3.84	-65.36	-19.84
C025	33	38.43	115	40.37	2760.0	979371.87	B543	12.97	-81.16	3.69	8.38	-73.76	-25.57
C026	33	39.30	115	27.18	3766.0	979314.29	B543	48.78	-79.67	4.60	18.70	-62.19	-16.26
C027	33	38.89	115	21.39	3149.0	979360.68	B543	37.72	-69.68	3.06	12.77	-57.99	-14.14
C028	33	40.79	115	19.93	1397.0	979480.12	G543	-10.24	-57.89	2.72	4.27	-54.18	-10.33
C029	33	36.61	115	17.14	2418.0	979408.41	B543	19.88	-62.59	2.49	7.83	-55.65	-13.92
C030	33	34.52	115	16.55	2940.0	979367.54	G543	31.00	-69.28	6.46	14.96	-55.34	-14.44
C031	33	30.68	115	17.29	3285.0	979337.56	M543	38.78	-73.26	3.24	11.32	-63.05	-23.24
C032	33	33.69	115	20.63	4504.0	979257.43	B543	69.09	-84.53	4.11	23.25	-62.62	-20.87
C033	33	35.31	115	21.96	4216.0	979284.79	G543	67.12	-76.67	3.12	16.57	-61.40	-18.61
C034	33	36.23	115	50.92	2984.0	979380.97	G543	46.19	-55.58	2.39	12.51	-44.11	1.63
C035	33	37.50	115	47.40	2379.0	979413.57	B543	20.13	-61.01	3.03	5.61	-56.27	-8.80
C036	33	43.77	115	42.41	4179.0	979279.39	G543	46.49	-96.04	7.13	17.94	-79.39	-26.28
C038	33	47.26	115	40.19	3418.0	979342.69	G543	33.38	-83.19	2.49	6.27	-78.07	-23.20
C039	33	48.43	115	39.77	3294.0	979356.40	B543	33.80	-78.55	3.41	7.96	-71.70	-16.38
C040	33	50.69	115	40.11	2866.0	979386.27	G543	20.29	-77.47	2.47	6.06	-72.41	-15.87
C041	33	50.10	115	37.20	2677.0	979404.91	G543	21.97	-69.33	2.47	4.36	-65.93	-10.97
C042	33	48.95	115	35.79	3902.0	979322.11	B543	55.96	-77.13	4.14	14.12	-64.25	-10.63
C043	33	46.98	115	34.48	3358.0	979357.97	G543	43.41	-71.12	3.68	9.19	-63.06	-10.78
C044	33	44.77	115	34.04	2938.0	979377.53	G543	26.56	-73.65	2.27	5.41	-69.27	-18.15
C045	33	45.93	115	31.68	3229.0	979372.42	G543	47.19	-62.94	2.49	9.87	-54.17	-3.65
C046	33	48.02	115	32.98	2739.0	979405.50	G543	31.29	-62.13	1.86	4.15	-58.95	-6.88
C047	33	49.90	115	33.02	3348.0	979367.93	G543	48.36	-65.83	2.80	7.79	-59.17	-6.51
C048	33	51.24	115	31.36	2209.0	979440.06	G543	11.52	-63.82	2.58	4.39	-60.26	-7.85
C049	33	40.84	115	27.59	2597.0	979384.91	G543	7.33	-81.24	5.87	13.28	-68.90	-22.08
C050	33	39.74	115	24.29	3292.0	979339.96	G543	29.27	-83.01	9.25	22.98	-61.15	-16.00
C051	33	38.24	115	18.97	2906.0	979373.60	G543	28.69	-70.43	3.19	13.99	-57.45	-14.67
C052	33	34.67	115	18.99	2625.0	979391.67	G543	25.30	-64.23	2.34	5.79	-59.39	-17.54
C053	33	33.34	115	23.49	3552.0	979328.61	G543	51.25	-69.90	3.51	9.91	-61.16	-18.80

Table 3. Principal Facts for 118 Gravity Stations in the Salton Sea Sheet--Continued

STATION NAME	LAT deg	LAT min	LONG deg	LONG min	ELEV feet	OG mGal	AC CODE	FAA mGal	SBA mGal	INNER mGal	TC mGal	CBA1 2.67	ISO 2.67
CØ54	33	34.94	115	25.67	3Ø65.Ø	979362.Ø1	G543	36.64	-67.9Ø	2.Ø7	5.21	-63.75	-2Ø.13
CØ55	33	36.1Ø	115	25.85	3279.Ø	979346.61	G543	39.75	-72.Ø9	3.6Ø	9.Ø3	-64.17	-19.94
CØ56	33	38.68	116	Ø.74	1135.Ø	979489.ØØ	G543	-22.99	-61.7Ø	1.73	3.18	-58.99	-9.46
CØ58	33	37.37	115	58.68	128Ø.Ø	979449.39	G543	-47.23	-9Ø.88	1.29	3.32	-88.ØØ	-4Ø.51
CØ59	33	37.Ø3	115	35.51	19Ø4.Ø	979427.6Ø	G543	-9.85	-74.79	Ø.83	1.66	-73.86	-27.31
PØØ1	33	1Ø.39	114	46.35	714.Ø	979488.21	B163	-24.3Ø	-48.65	Ø.2Ø	Ø.32	-48.63	-2Ø.5Ø
PØØ2	33	11.68	114	45.26	617.Ø	979498.68	M163	-24.73	-45.78	Ø.Ø5	Ø.11	-45.93	-17.44
PØØ3	32	58.82	114	48.11	794.Ø	979474.34	G663	-14.71	-41.79	Ø.Ø1	Ø.12	-42.Ø1	-18.33
PØØ4	33	Ø.43	114	46.89	1ØØ7.Ø	979463.48	T653	-7.75	-42.Ø9	Ø.22	Ø.52	-41.99	-17.49
PØØ5	33	2.54	114	42.88	571.Ø	979482.8Ø	T653	-32.35	-51.82	1.Ø4	1.24	-5Ø.83	-25.16
PØØ6	33	3.46	114	41.67	343.Ø	979492.5Ø	G653	-45.36	-57.Ø6	Ø.29	Ø.39	-56.82	-3Ø.69
PØØ7	33	4.1Ø	114	41.25	213.Ø	9795Ø4.25	M153	-46.72	-53.99	Ø.Ø3	Ø.2Ø	-53.88	-27.49
PØØ8	33	2.22	114	41.68	329.Ø	979494.72	X553	-42.74	-53.97	Ø.15	Ø.36	-53.75	-28.1Ø
PØØ9	32	58.54	114	44.68	865.Ø	979467.79	G653	-14.19	-43.7Ø	Ø.Ø7	Ø.22	-43.84	-19.99
PØ1Ø	32	59.Ø2	114	42.21	687.Ø	979482.Ø7	X653	-17.32	-4Ø.75	Ø.11	Ø.26	-4Ø.78	-16.51
PØ11	33	Ø.23	114	42.27	661.Ø	979481.74	G644	-21.76	-44.31	Ø.61	Ø.75	-43.84	-19.Ø6
PØ12	33	Ø.74	114	41.15	658.Ø	979475.22	G644	-29.26	-51.71	Ø.48	Ø.71	-51.28	-26.22
PØ17	33	8.85	114	49.71	926.Ø	979467.69	X653	-22.75	-54.34	Ø.Ø6	Ø.29	-54.43	-26.74
PØ18	33	11.56	114	47.4Ø	873.Ø	979478.81	X653	-2Ø.36	-5Ø.13	Ø.Ø6	Ø.25	-5Ø.2[illegible]	-21.82
PØ19	33	14.35	114	44.47	45Ø.Ø	97951Ø.17	G643	-32.64	-47.99	Ø.Ø8	Ø.Ø7	-48.11	-19.Ø3
PØ2Ø	33	5.54	114	53.5Ø	1ØØ5.Ø	979461.63	B153	-16.82	-51.1Ø	Ø.Ø1	Ø.35	-51.16	-24.81
PØ21	33	Ø.39	114	57.4Ø	647.Ø	979496.81	B153	-8.22	-3Ø.29	Ø.Ø1	Ø.Ø5	-3Ø.52	-7.27
PØ22	33	1.Ø3	114	56.58	713.Ø	979492.Ø7	B153	-9.64	-33.96	Ø.Ø2	Ø.1Ø	-34.16	-1Ø.43
PØ23	33	4.76	114	5Ø.9Ø	1792.Ø	979489.37	G653	6.Ø1	-55.11	1.46	3.88	-51.92	-25.82
PØ24	33	3.28	114	49.6Ø	2164.Ø	979385.5Ø	V453	19.17	-54.64	2.87	8.87	-46.58	-21.Ø6
PØ25	33	1.61	114	52.61	885.Ø	979476.96	G653	-7.37	-37.55	Ø.Ø3	Ø.24	-37.68	-13.13
PØ26	33	6.Ø3	114	57.59	18Ø1.Ø	979414.99	G653	1Ø.73	-5Ø.7Ø	3.87	7.15	-44.25	-18.Ø2
PØ27	33	7.24	114	59.36	2264.Ø	979382.99	G653	2Ø.61	-56.61	4.93	1Ø.94	-46.51	-19.86
PØ28	33	9.19	115	7.36	1247.Ø	97946Ø.12	G653	-Ø.6Ø	-43.13	4.54	5.62	-38.Ø1	-11.23
PØ29	33	3.55	115	1.99	99Ø.Ø	979473.89	V453	-3.23	-37.ØØ	3.Ø3	4.17	-33.24	-9.Ø2
PØ3Ø	33	1Ø.Ø5	115	6.39	1561.Ø	979438.98	G653	6.61	-46.63	2.Ø3	3.48	-43.77	-16.3Ø
PØ31	33	1Ø.61	115	6.41	2384.Ø	979380.42	G653	24.67	-56.64	3.56	1Ø.18	-47.33	-19.55
PØ32	33	11.Ø6	115	6.43	27ØØ.Ø	979358.5Ø	D253	31.85	-6Ø.23	4.61	13.95	-47.25	-19.21
PØ33	33	11.38	115	4.97	2Ø58.Ø	979401.85	G653	14.39	-55.81	3.Ø1	5.72	-5Ø.87	-22.43
PØ34	33	11.71	115	3.94	1824.Ø	979413.55	G653	3.63	-58.59	4.22	5.92	-53.37	-24.66
PØ35	33	11.93	115	12.21	2224.Ø	979400.79	G653	28.18	-47.68	4.Ø6	9.27	-39.24	-11.63
PØ36	33	17.28	115	18.73	22Ø3.Ø	979393.31	G653	11.33	-63.81	4.43	1Ø.53	-54.1Ø	-23.73
PØ37	33	21.27	115	21.45	2563.Ø	979376.95	V443	23.31	-64.11	4.Ø4	11.73	-53.3Ø	-19.91
PØ38	33	Ø.42	114	44.35	14ØØ.Ø	979434.7Ø	V443	Ø.45	-47.3Ø	3.Ø7	5.34	-42.52	-17.86
PØ39	32	58.24	114	39.58	1Ø24.Ø	979459.29	G653	-7.32	-42.25	1.Ø3	1.72	-4Ø.95	-16.78
PØ4Ø	33	Ø.ØØ	114	38.53	795.Ø	979470.72	G653	-19.96	-47.Ø8	2.32	3.1Ø	-44.31	-19.24
PØ41	33	1.61	114	4Ø.86	562.Ø	979478.71	V443	-36.ØØ	-55.17	1.28	1.52	-53.89	-28.44
PØ42	33	1.87	114	42.92	867.Ø	979463.25	G643	-23.13	-52.7Ø	3.Ø7	3.87	-49.19	-23.79
PØ43	33	1.61	114	44.62	758.Ø	979478.Ø7	G643	-18.2Ø	-44.Ø6	Ø.61	Ø.98	-43.4Ø	-18.23
PØ44	33	4.31	114	44.15	889.Ø	979467.19	G643	-2Ø.48	-5Ø.8Ø	2.77	3.58	-47.59	-21.35
PØ45	33	5.Ø5	114	47.42	1Ø23.Ø	979447.41	G653	-28.67	-63.56	Ø.71	1.19	-62.8Ø	-36.42
PØ46	33	2.49	114	47.97	2Ø43.Ø	979390.35	V453	13.73	-55.96	4.77	1Ø.71	-46.Ø2	-2Ø.72
PØ47	33	6.Ø3	114	46.26	129Ø.Ø	979441.3Ø	G653	-11.Ø2	-55.Ø2	2.21	3.28	-52.26	-25.49
PØ48	33	7.21	114	45.43	1186.Ø	979450.5Ø	G653	-13.23	-53.68	1.3Ø	2.Ø6	-52.1Ø	-24.88

Table. 2. Principal Facts for 114 Gravity Stations in the Salton Sea Sheet--Continued

STATION NAME	LAT deg	LAT min	LONG deg	LONG min	ELEV feet	OG mGal	AC CODE	FAA mGal	SBA mGal	INNER mGal	TC mGal	CBA1 2.67	ISO 2.67
PØ5Ø	33	7.65	114	49.Ø7	1126.Ø	979451.83	G653	-18.15	-56.56	Ø.17	Ø.5Ø	-56.52	-29.24
PØ51	33	5.33	114	49.31	2177.Ø	979382.23	V453	14.3Ø	-59.95	3.47	9.55	-51.22	-24.83
PØ52	33	Ø.18	114	5Ø.47	897.Ø	979471.91	V453	-9.32	-39.91	Ø.34	Ø.57	-39.72	-15.65
PØ53	33	11.76	114	49.73	1439.Ø	979449.35	G653	3.15	-45.94	2.66	4.21	-42.3Ø	-13.79
PØ54	33	14.Ø5	114	48.Ø9	721.Ø	979489.Ø4	G653	-27.86	-52.45	Ø.26	Ø.36	-52.4Ø	-23.4Ø
PØ55	33	12.64	114	43.86	5Ø2.Ø	9795Ø7.7Ø	G643	-27.86	-44.98	Ø.1Ø	Ø.14	-45.Ø6	-16.3Ø
PØ56	33	12.61	114	41.68	397.Ø	979512.39	G643	-33.ØØ	-46.54	Ø.24	Ø.28	-46.43	-17.46
PØ57	33	1Ø.88	114	42.36	954.Ø	979498.23	G643	7.62	-24.92	4.15	6.Ø6	-19.26	9.17
PØ58	33	1Ø.83	114	44.38	758.Ø	979484.92	G643	-24.Ø6	-49.91	2.ØØ	2.21	-48.Ø2	-19.71
PØ59	33	7.15	114	44.43	1376.Ø	9794Ø.Ø7	G643	-5.7Ø	-52.63	5.32	8.32	-44.87	-17.66
PØ6Ø	32	57.86	114	38.12	634.Ø	9794ØØ.Ø1	B243	-12.77	-34.4Ø	Ø.Ø5	Ø.24	-34.43	-1Ø.28
PØ61	33	1.29	114	37.64	226.Ø	9795Ø4.88	B243	-4Ø.99	-48.7Ø	Ø.Ø8	Ø.22	-48.58	-22.91
PØ62	33	1.9Ø	114	38.64	2Ø7.Ø	9795Ø5.8Ø	B243	-42.7Ø	-49.76	Ø.2Ø	Ø.35	-49.51	-23.7Ø
PØ63	33	1.43	114	39.6Ø	37Ø.Ø	979492.82	B243	-39.7Ø	-52.32	Ø.19	Ø.25	-52.23	-26.7Ø

APPENDIX

Updated Description of Gravity Base Station Yuma:

Station is located at benchmark, 0.75 mi. north from the intersection of Ave. 3E and 32nd ST. (Business Route 8) in Yuma, AZ. Station is marked by a standard disc, stamped "R 257 1945", and is set in an irrigation canal culvert 20 ft east of the centerline of Ave. 3E, in the center of the top of the northwest headwall, 8 ft northeast of the southwest end, 0.7 foot southeast of the northwest edge, and 16 feet west of the west rail of the old Army railroad spur.