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PRINCIPAL FACTS FOR A GRAVITY SURVEY OF
BATTLE CREEK-SQUAW HOT SPRINGS AND VICINITY,
NORTHERN CACHE VALLEY, IDAHO

By

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Explanation of the headings of the accompanying table of principal facts:

STATION	Gravity survey station number.
LAT	North latitude in degrees, minutes, and hundredths of minutes.
LONG	West longitude in degrees, minutes, and hundredths of minutes.
ELEV(F)	Elevation in feet (to convert to meters, multiply by 0.3048).
OBS G	Observed gravity in milligals minus 978000 milligals.
FAA	Free-air anomaly in milligals.
BA2.67	Simple Bouguer anomaly in milligals for a density of 2.67 g per cm ³ .
BA(OPT)	Simple Bouguer anomaly in milligals for a density of 2.45 g per cm ³ .
CC	Curvature correction in milligals.

These data are referenced to gravity base station WU29 at Liberty Park, Salt Lake City, Utah (Behrendt and Woollard, 1961). Theoretical gravity was computed from the International Ellipsoid, 1930.

REFERENCE

Behrendt, J. C., and Woollard, G. P., 1961, An evaluation of the gravity control network in North America: Geophysics, v. 26, no. 1, p. 57-76.

STATION	LAT	LONG	ELEV(F)	OBS	G	FAA	BA2.67	BA(OPT)	CC
BASE 42	6.58	111 52.60	4725.0	1889.32		-35.40	-196.55	-183.27	1.48
P01 42	6.67	111 53.15	4720.0	1889.88		-35.44	-196.42	-183.16	1.48
P02 42	6.67	111 53.73	4719.0	1889.64		-35.77	-196.72	-183.46	1.48
P03 42	6.67	111 54.45	4719.0	1889.94		-35.47	-196.42	-183.15	1.48
P04 42	7.34	111 53.74	4714.0	1891.73		-35.15	-195.93	-182.69	1.48
P05 42	7.32	111 52.55	4751.0	1891.06		-32.32	-194.36	-181.01	1.49
P06 42	7.34	111 53.14	4728.0	1891.68		-33.89	-195.14	-181.85	1.48
P07 42	5.78	111 53.74	4718.0	1886.01		-38.16	-199.07	-185.82	1.48
P08 42	5.80	111 53.16	4715.0	1886.35		-38.13	-198.94	-185.69	1.48
P09 42	5.80	111 54.92	4461.0	1905.61		-42.75	-194.90	-182.36	1.43
P10 42	5.78	111 55.50	4470.0	1908.72		-38.76	-191.22	-178.66	1.43
P11 42	5.80	111 55.78	4485.0	1910.52		-35.59	-188.55	-175.95	1.43
P12 42	5.88	111 56.48	4579.0	1912.00		-25.39	-181.56	-168.70	1.45
P13 42	5.80	111 57.22	4714.0	1898.30		-26.28	-187.06	-173.81	1.48
P14 42	5.80	111 58.40	4743.0	1900.57		-21.29	-183.05	-169.72	1.49
P15 42	5.82	111 59.55	4768.0	1905.42		-14.12	-176.74	-163.34	1.49
P16 42	6.46	111 58.38	4749.0	1901.38		-20.89	-182.87	-169.52	1.49
P17 42	6.38	111 57.46	4728.0	1899.15		-24.98	-186.24	-172.95	1.48
P18 42	6.25	111 55.78	4472.0	1912.45		-35.55	-188.07	-175.50	1.43
P19 42	6.80	111 55.78	4463.0	1914.22		-35.45	-187.67	-175.12	1.43
P20 42	7.25	111 55.82	4488.0	1914.71		-33.28	-186.35	-173.73	1.43
P21 42	7.50	111 55.92	4523.0	1914.97		-30.10	-184.37	-171.65	1.44
P22 42	8.15	111 55.90	4631.0	1909.49		-26.40	-184.35	-171.33	1.46
P23 42	8.45	111 56.08	4742.0	1905.32		-20.60	-182.33	-169.00	1.49
P24 42	8.85	111 56.08	4745.0	1905.07		-21.16	-182.99	-169.66	1.49
P25 42	8.24	111 55.54	4527.0	1911.32		-34.48	-188.88	-176.16	1.44
P26 42	8.55	111 54.65	4501.0	1908.83		-39.88	-193.40	-180.75	1.44
P27 42	7.99	111 54.80	4481.0	1908.12		-41.64	-194.47	-181.87	1.43
BASE 42	6.58	111 52.60	4725.0	1889.20		-35.51	-196.66	-183.39	1.48
P28 42	7.12	111 54.82	4655.0	1895.18		-36.92	-195.69	-182.61	1.47
P29 42	8.80	111 54.78	4525.0	1908.40		-38.43	-192.76	-180.05	1.44
P30 42	9.06	111 54.04	4502.0	1910.14		-39.25	-192.79	-180.14	1.44
P32 42	9.73	111 54.30	4771.0	1895.77		-29.33	-192.05	-178.64	1.49
P33 42	9.74	111 54.90	4742.0	1898.76		-29.08	-190.81	-177.49	1.49
P34 42	10.16	111 54.90	4753.0	1899.99		-27.45	-189.56	-176.20	1.49
P35 42	10.60	111 55.56	4747.0	1904.52		-24.14	-186.04	-172.70	1.49
P36 42	11.04	111 54.90	4765.0	1903.96		-23.67	-186.19	-172.80	1.49
P37 42	10.59	111 54.68	4768.0	1900.98		-25.69	-188.31	-174.91	1.49
P38 42	10.09	111 53.24	4923.0	1888.69		-22.66	-190.57	-176.73	1.52
P03 42	6.67	111 54.45	4719.0	1889.91		-35.50	-196.45	-183.19	1.48
P39 42	6.42	111 54.92	4727.0	1889.73		-34.56	-195.78	-182.49	1.48
P40 42	6.33	111 53.72	4715.0	1888.62		-36.73	-197.54	-184.29	1.48
P41 42	5.37	111 57.20	4723.0	1896.91		-26.18	-187.27	-174.00	1.48
420 42	4.93	111 57.20	4702.0	1897.74		-26.66	-187.03	-173.82	1.48
P42 42	4.92	111 56.37	4696.0	1896.87		-28.08	-188.24	-175.05	1.48
P43 42	4.90	111 56.07	4699.0	1895.08		-29.57	-189.83	-176.63	1.48

P44	42	5.33	111	55.72	4575.0	1902.82	-34.12	-190.16	-177.30	1.45
P45	42	7.12	111	57.20	4734.0	1902.99	-21.69	-183.15	-169.84	1.48
P46	42	7.32	111	56.95	4710.0	1905.11	-22.12	-182.76	-169.52	1.48
P47	42	7.55	111	56.60	4628.0	1908.57	-26.71	-184.55	-171.55	1.46
P48	42	5.78	111	54.22	4700.0	1887.96	-37.91	-198.21	-185.00	1.48
P49	42	7.83	111	53.74	4731.0	1892.15	-33.87	-195.23	-181.93	1.48
P50	42	7.75	111	52.55	4791.0	1889.64	-30.62	-194.02	-180.56	1.49
P51	42	8.20	111	52.55	4833.0	1887.78	-29.20	-194.04	-180.46	1.50