

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRINCIPAL FACTS FOR GRAVITY STATIONS IN THE BRIDGER WILDERNESS AND THE
GREEN-SWEETWATER ROADLESS AREA, SUBLETTE AND FREMONT COUNTIES, WYOMING

By
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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

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Studies related to Wilderness

The provisions of the Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas of Federal lands to determine the mineral values, if any, that may be present. The act directs that the results of such surveys are to be made available to the public and be submitted to the President and the Congress. This report presents the data from a gravity survey of the Bridger Wilderness and the Green-Sweetwater Roadless Area in the Bridger-Teton National Forest, Sublette and Fremont Counties, Wyoming. The Bridger Wilderness was established by Public Law 88-577, September 3, 1964. The Green-Sweetwater Roadless Area (04901) was divided into nonwilderness (108,092 acres) and wilderness (79,742 acres) during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, April 1979.

Introduction

This report presents part of the work undertaken by the U.S. Geological Survey to evaluate the mineral-resource potential of the Bridger Wilderness and the Green-Sweetwater Roadless Area. During the summer field seasons of 1980-82, 402 new gravity stations were established in the Bridger Wilderness and the Green-Sweetwater Roadless Area, Sublette and Fremont Counties, Wyoming. The Bridger Wilderness and the Green-Sweetwater Roadless Area are located in the Bridger-Teton National Forest and cover approximately 580,000 acres (fig. 1). This report presents the principal facts for these data.

Data Collection

Gravity observations were made using LaCoste-Romberg meters G-235 and G-198. The gravity stations were referenced to the U.S. Department of Defense (DOD) base (ACIC 0632-2) at Lander, Wyoming (appendix A), which is part of the International Gravity Standardization Net, 1971 (Morelli, 1974). Additional bases were set by the USGS and tied to this primary base. Gravity loops were started and closed daily by making repeat observations at the primary or secondary bases. Access into roadless areas was by helicopter and ground traverses; vehicles were used along highways and secondary roads outside of the wilderness area.

Elevation Control

The survey area is bounded by lat. $42^{\circ}30'$ - $43^{\circ}30'$ N and long. $108^{\circ}45'$ - $110^{\circ}15'$ W. The station elevations were obtained from benchmarks, spot elevations, and section corners on 1:24,000-scale USGS topographic maps. The uncertainty of benchmark elevations is assumed to be 0.5ft (0.15m). Spot elevations and section corner elevations, printed in black on 1:24,000-scale maps with 40-ft contour interval, are assumed to be accurate to within one-third the contour interval, or 13-ft. At a reduction density of 2.67 g/cm, this elevation uncertainty translates to a maximum uncertainty in the Bouguer anomaly value of 0.74 mGals.

However, errors in the estimation of terrain corrections give rise to the greatest uncertainty in Bouguer values. Computer-generated terrain corrections in mountainous areas like the Bridger Wilderness and the Green-Sweetwater Roadless Area are generally accurate to within 1 mGal, but could exceed this in areas of extreme relief.

Data Reduction

Computer programs existing on the USGS Digital Equipment Corporation VAX 11-750 computer system were used to obtain principal facts and terrain-corrected gravity values. A program written by M. W. Webring, D. A. Dansereau, and R. R. Wahl (USGS, unpub. program, 1983) was used to reduce gravity meter-readings to observed-gravity values by calculating and correcting for earth-tide and linear meter drift. The theoretical gravity value was calculated using the 1967 formula of the Geodetic Reference System (International Association of Geodesy, 1971). Mathematical equations are given in Cordell and others (1982).

Terrain corrections were computed using a program by R. H. Godson (USGS, unpub. program, 1978), which corrects for the gravity effects of terrain within 166.7 km of the station using the method of Plouff (1977). Godson's program also calculates earth-curvature corrections and complete (terrain-corrected) Bouguer gravity anomaly values. These computed terrain corrections use mean-elevation data digitized on a 15-second grid for corrections from 0 to 5 km (3.1 mi), 1-minute terrain data for corrections from 5 to 21 km (13.0 mi), and 3-minute terrain data for corrections from 21 to 166.7 km (103.4 mi). A density of 2.67 g/cm was used to calculate terrain corrections, giving the corrections and gravity anomaly values listed in Appendix B.

References

- Cordell, Lindrith, Keller, G. R., and Hildenbrand, T. G., 1982, Bouguer gravity map of the Rio Grande Rift, Colorado, New Mexico, and Texas:
U.S. Geological Survey Geophysical Investigations Series, Map GP-949,
scale 1:1,000,000.
- Defense Mapping Agency, 1974, World Relative Gravity Reference Network, North American, Part 2: St. Louis, Missouri, Aerospace Center, DMAC Reference Publication 25, with supplement updating gravity values to the International Gravity Standardization Net 1971, 1635 p.
- International Association of Geodesy, 1971, Geodetic Reference System, 1967:
International Association of Geodesy Special Publication No. 3, 116 p.
- Morelli, Carlo, ed., 1974, The International Gravity Standardization Net 1971:
International Association 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, 43 p.

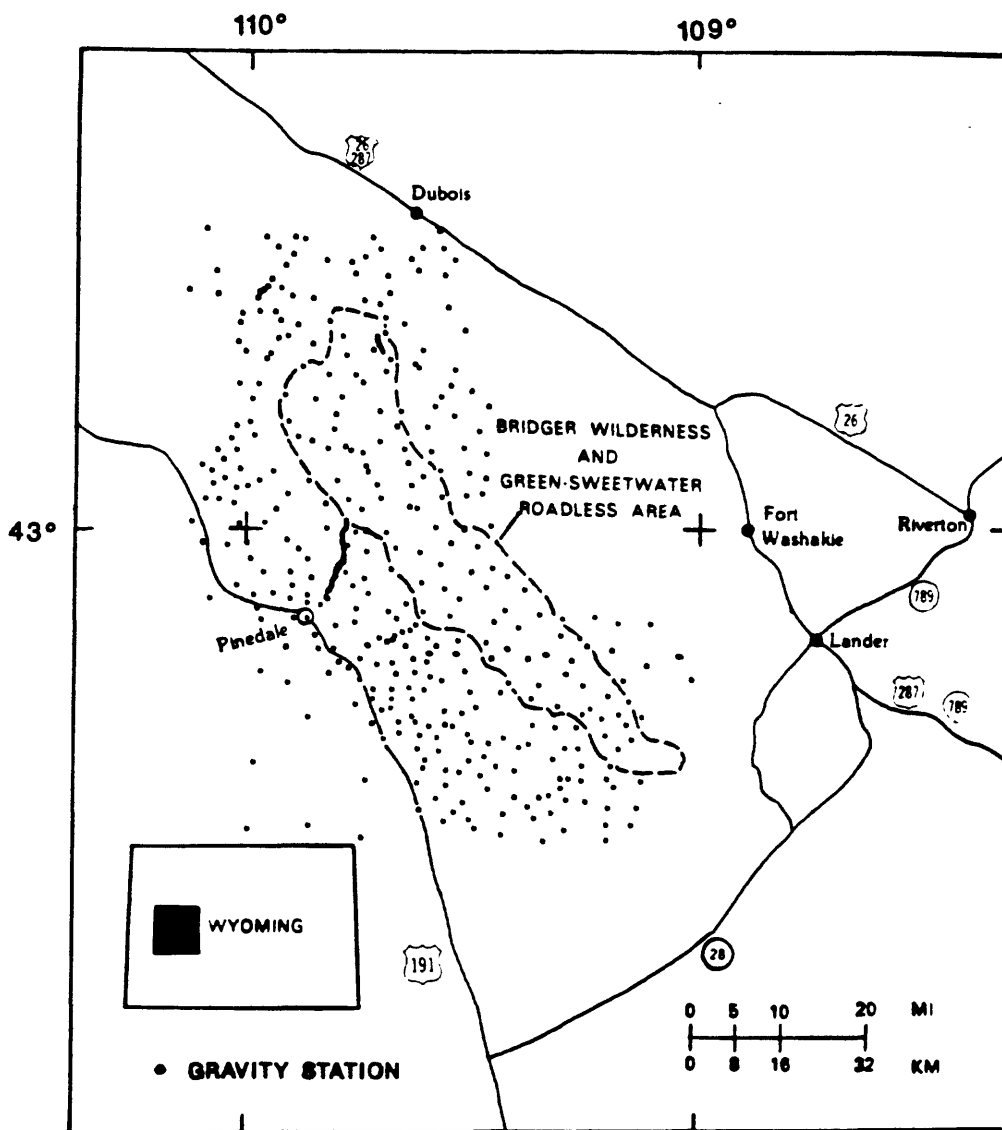


Figure 1.—Map showing location of the Bridger Wilderness and Green-Sweetwater Roadless Area(04901), Sublette and Fremont Counties, Wyo.

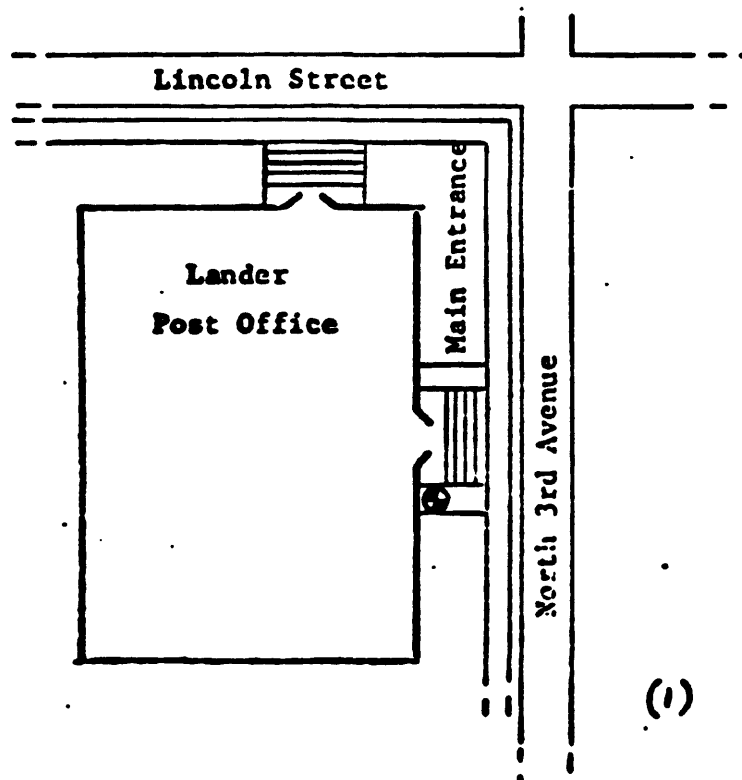
APPENDIX A

GRAVITY BASE STATION

LATITUDE		42° 49.30'N	(1)	STATION DESIGNATION	
LONGITUDE		108° 43.72'W	(1)	LANDER	
ELEVATION		1631.56	METERS (1)	COUNTRY/STATE	
				USA/Wyoming	
REFERENCE CODE NUMBERS				ADOPTED GRAVITY VALUE	
ACIC 0632-2				g- 979 900.34 mgals	
IGB 15528B					
				ESTIMATED ACCURACY	DATE
				± 0.1 mgals	MONTH/YEAR
					10/70

DESCRIPTION AND/OR SKETCH

The station is in Lander at the intersection of Lincoln Street and North Third Avenue at the Post Office, on the head wall at the south end of the steps into the main entrance of the lobby. The station is approximately 6 inches from a USC & GS benchmark, C21, 1933, and is monumented with a USAF Gravity Station disc. (1)



REFERENCE SOURCE

(1) 03405

Appendix B: Principal Facts of Gravity Data

Explanation of headings

Identification

proj	Project name.
sta-id	Gravity station identification number.

Location

latitude	North latitude in degrees, decimal minutes.
longitude	West longitude in degrees, decimal minutes.
ele	Station elevation in feet.
st	State where station is located.

Gravity

observed	Observed gravity in milliGals.
theoretical	Theoretical gravity in milliGals.

Corrections

terrain	Terrain correction, 166.7 km radius, in milliGals.
Bouguer	Simple Bouguer slab correction in milliGals.
curv	Curvature correction in milliGals.
special	Not used.

Anomalies

free-air	Free-air anomaly in milliGals.
complete-Bouguer	Complete Bouguer anomaly in milliGals for designated density.

BOUGUER GRAVITY DATA

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Station data for 1980

Bridger Wilderness

Meter used: G-235

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES				
IDENTIFICATION		LATITUDE		LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc				AIR	2.67 g/cc
bridger	pbs001	42	51.98	-109	51.60	7174.00	WY	979724.81	980426.14	0.60	-244.68	-1.51	0.00	-26.92	-272.51
bridger	brw001	43	28.97	-109	57.59	9074.00	WY	979690.06	980481.00	1.71	-309.49	-1.35	0.00	61.09	-248.04
bridger	brw002	43	28.13	-109	56.16	9118.00	WY	979687.25	980480.54	1.62	-310.99	-1.34	0.00	63.73	-246.98
bridger	brw003	43	28.96	-109	53.81	9240.00	WY	979692.19	980481.00	2.09	-315.15	-1.32	0.00	78.86	-235.52
bridger	brw004	43	27.33	-109	54.02	9003.00	WY	979697.06	980479.34	1.59	-307.07	-1.36	0.00	63.91	-242.92
bridger	brw005	43	26.22	-109	55.23	9026.00	WY	979690.56	980477.67	1.47	-307.85	-1.35	0.00	61.25	-246.49
bridger	brw006	43	25.72	-110	4.33	8994.00	WY	979696.13	980476.92	1.09	-306.76	-1.36	0.00	64.54	-242.49
bridger	brw007	43	23.55	-110	4.00	8935.00	WY	979702.69	980473.65	1.12	-304.75	-1.37	0.00	68.87	-236.13
bridger	brw008	42	53.37	-109	51.69	7270.00	WY	979720.25	980428.23	0.90	-247.96	-1.51	0.00	-24.61	-273.18
bridger	brw009	42	54.18	-109	51.63	7390.00	WY	979713.56	980429.45	0.72	-252.05	-1.51	0.00	-21.24	-274.07
bridger	brw010	42	55.00	-109	51.25	7473.00	WY	979710.63	980431.08	1.12	-254.88	-1.50	0.00	-18.78	-274.05
bridger	brw011	42	57.77	-109	51.55	7576.00	WY	979708.08	980434.04	1.12	-258.40	-1.50	0.00	-13.81	-272.58
bridger	brw012	42	58.56	-109	52.93	7637.00	WY	979704.56	980436.04	1.54	-260.48	-1.49	0.00	-13.59	-274.02
bridger	brw013	42	59.55	-109	54.45	7709.00	WY	979699.63	980437.52	1.09	-262.93	-1.49	0.00	-13.25	-276.58
bridger	brw014	43	24.24	-109	57.44	9017.00	WY	979687.69	980474.69	1.84	-307.54	-1.36	0.00	60.49	-246.57
bridger	brw015	43	24.90	-109	56.99	9272.00	WY	979672.63	980475.68	1.92	-316.24	-1.32	0.00	68.42	-247.22
bridger	brw016	43	23.85	-109	57.89	8814.00	WY	979700.56	980474.10	1.97	-300.62	-1.38	0.00	54.93	-245.10
bridger	brw017	43	20.69	-110	0.98	7818.00	WY	979764.31	980469.34	1.05	-266.65	-1.48	0.00	29.82	-236.46
bridger	brw018	43	17.93	-110	0.20	7796.00	WY	979760.31	980465.18	2.91	-265.90	-1.48	0.00	27.94	-236.53
bridger	brw019	43	21.04	-109	50.57	7856.00	WY	979757.63	980471.07	3.19	-267.95	-1.48	0.00	24.97	-241.26
bridger	brw020	43	21.73	-109	56.40	7940.00	WY	979752.44	980470.91	3.41	-270.01	-1.47	0.00	27.85	-241.03
bridger	brw021	43	20.51	-109	53.32	7964.00	WY	979755.44	980469.07	5.17	-271.63	-1.47	0.00	34.96	-232.97
bridger	brw022	43	18.64	-109	51.38	7961.00	WY	979755.13	980466.26	9.45	-271.53	-1.47	0.00	37.16	-226.39
bridger	brw023	43	20.04	-109	55.59	8340.00	WY	979729.19	980469.56	2.05	-284.45	-1.44	0.00	43.55	-239.49
bridger	brw024	43	19.41	-109	54.69	9165.00	WY	979678.38	980467.41	3.05	-312.59	-1.33	0.00	72.34	-237.73
bridger	brw025	43	17.79	-109	56.08	8805.00	WY	979699.31	980464.98	2.61	-300.31	-1.39	0.00	61.96	-237.13
bridger	brw026	43	17.18	-109	57.33	8580.00	WY	979711.75	980464.05	2.74	-292.64	-1.41	0.00	54.14	-237.17
bridger	brw027	43	6.29	-109	56.52	7895.00	WY	979701.00	980447.66	5.09	-269.28	-1.48	0.00	-4.57	-270.23
bridger	brw028	43	5.22	-109	50.08	7819.00	WY	979699.50	980446.05	1.41	-266.68	-1.48	0.00	-11.56	-278.32
bridger	brw029	43	4.73	-109	59.68	7722.00	WY	979703.31	980445.31	1.18	-263.38	-1.49	0.00	-16.11	-279.00
bridger	brw030	43	1.16	-110	7.00	7481.00	WY	979713.75	980439.95	0.40	-255.16	-1.50	0.00	-22.95	-279.20
bridger	brw031	43	3.48	-110	5.38	7672.00	WY	979702.19	980443.44	0.51	-261.67	-1.49	0.00	-20.09	-282.75
bridger	brw032	43	5.00	-110	4.29	7622.00	WY	979706.75	980445.73	0.63	-259.96	-1.49	0.00	-22.52	-283.35
bridger	brw033	43	6.30	-110	4.51	7629.00	WY	979708.19	980447.68	0.69	-260.20	-1.49	0.00	-22.35	-283.36
bridger	brw034	43	6.74	-110	5.75	7662.00	WY	979707.50	980448.34	0.66	-261.33	-1.49	0.00	-20.64	-282.00
bridger	brw035	43	14.70	-110	1.11	7727.00	WY	979754.44	980460.44	2.10	-263.55	-1.49	0.00	20.31	-242.62
bridger	brw036	43	8.29	-110	1.11	7886.00	WY	979706.31	980450.68	1.09	-268.97	-1.48	0.00	-3.10	-272.45
bridger	brw037	43	7.41	-110	3.06	7663.00	WY	979709.38	980449.35	0.86	-261.36	-1.49	0.00	-19.65	-281.65
bridger	brw038	43	8.24	-110	3.75	7615.00	WY	979716.00	980450.60	0.91	-259.73	-1.50	0.00	-10.83	-279.14
bridger	brw039	43	6.39	-110	0.73	7830.00	WY	979699.38	980447.82	0.98	-267.06	-1.48	0.00	-12.46	-280.02

Station data for 1988

Bridger Wilderness

Meter used: 6-235

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES		
IDENTIFICATION		LATITUDE	LONGITUDE			ELE	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc		AIR	2.67 g/cc
bridger	brw040	43	10.72	-110	1.22	7673.00	WY	979736.56	980454.34	1.52 -261.70 -1.49	0.00	3.49	-258.18
bridger	brw041	43	9.42	-110	2.00	7621.00	WY	979727.69	980452.38	1.25 -259.93 -1.49	0.00	-8.33	-268.58
bridger	brw042	43	13.27	-109	59.34	7837.00	WY	979742.13	980458.17	3.60 -267.30 -1.48	0.00	20.63	-244.55
bridger	brw043	43	11.01	-109	59.36	7707.00	WY	979735.75	980454.77	2.99 -262.86 -1.49	0.00	5.45	-255.91
bridger	brw044	43	5.46	-110	2.84	7796.00	WY	979698.19	980446.41	0.78 -265.90 -1.48	0.00	-15.42	-282.10
bridger	brw045	43	3.50	-110	3.62	7672.00	WY	979701.50	980443.47	0.57 -261.67 -1.49	0.00	-20.81	-283.40
bridger	brw046	43	0.36	-109	45.44	9415.00	WY	979638.13	980438.74	6.51 -321.12 -1.29	0.00	84.26	-231.64
bridger	brw047	42	58.92	-109	46.30	8653.00	WY	979669.50	980436.58	5.98 -295.13 -1.40	0.00	46.23	-244.33
bridger	brw048	42	56.35	-109	46.64	7892.00	WY	979709.25	980432.72	2.06 -269.17 -1.48	0.00	18.37	-250.22
bridger	brw049	42	53.87	-109	48.99	7469.00	WY	979708.31	980428.98	0.98 -254.75 -1.50	0.00	-18.57	-273.84
bridger	skb001	43	6.29	-109	43.76	10193.00	WY	979619.00	980447.66	5.59 -347.65 -1.14	0.00	129.29	-213.91
bridger	brw051	43	23.00	-109	44.58	11570.00	WY	979559.63	980472.82	21.04 -394.62 -0.77	0.00	174.08	-200.27
bridger	brw052	43	25.38	-109	41.37	11134.00	WY	979600.63	980476.41	9.99 -379.75 -0.90	0.00	170.57	-200.09
bridger	brw053	43	27.21	-109	44.47	10340.00	WY	979650.63	980479.16	6.78 -352.67 -1.11	0.00	143.23	-203.76
bridger	brw054	43	29.10	-109	43.40	10445.00	WY	979643.38	980482.01	10.11 -356.25 -1.08	0.00	142.97	-204.25
bridger	brw055	43	27.96	-109	42.55	9165.00	WY	979723.63	980480.29	4.87 -312.59 -1.33	0.00	104.73	-204.32
bridger	brw056	43	26.99	-109	38.38	10691.00	WY	979620.25	980478.83	14.09 -364.64 -1.02	0.00	146.17	-205.40
bridger	brw057	43	25.82	-109	37.32	11157.00	WY	979589.31	980477.06	17.34 -380.53 -0.89	0.00	160.74	-203.34
bridger	brw058	43	23.62	-109	41.27	11750.00	WY	979560.56	980473.76	11.26 -400.76 -0.71	0.00	190.95	-199.26
bridger	brw060	43	22.46	-109	42.49	12399.00	WY	979518.06	980472.00	13.92 -422.89 -0.49	0.00	211.16	-198.30
bridger	brw061	43	20.70	-109	39.27	10283.00	WY	979647.81	980469.36	12.64 -350.72 -1.12	0.00	144.85	-194.35
bridger	brw062	43	21.22	-109	41.66	12254.00	WY	979528.13	980470.14	11.64 -417.95 -0.54	0.00	209.48	-197.37
bridger	brw063	43	19.79	-109	41.01	12918.00	WY	979480.19	980467.98	19.11 -440.60 -0.29	0.00	226.04	-195.74
bridger	brw065	43	17.09	-109	41.00	13062.00	WY	979463.94	980463.92	25.50 -445.51 -0.23	0.00	227.34	-192.90
bridger	brw066	43	15.96	-109	41.48	12825.00	WY	979478.81	980462.22	22.37 -437.42 -0.33	0.00	221.67	-193.71
bridger	brw067	43	18.06	-109	43.30	10540.00	WY	979624.80	980465.38	12.00 -359.76 -1.06	0.00	150.78	-197.96
bridger	brw068	43	19.45	-109	47.24	11810.00	WY	979534.69	980467.48	19.26 -402.81 -0.69	0.00	177.01	-207.23
bridger	brw069	43	17.52	-109	46.76	11823.00	WY	979523.81	980464.57	28.67 -403.25 -0.69	0.00	170.27	-205.00
bridger	brw070	43	15.67	-109	45.63	11838.00	WY	979526.13	980461.79	20.93 -403.76 -0.68	0.00	176.75	-206.77
bridger	brw071	43	0.27	-109	41.26	9895.00	WY	979626.00	980438.61	4.16 -337.49 -1.20	0.00	117.39	-217.14
bridger	brw072	43	2.44	-109	44.48	9363.00	WY	979647.69	980441.88	7.63 -319.34 -1.30	0.00	85.80	-227.22
bridger	brw073	43	3.53	-109	41.96	10232.00	WY	979608.06	980443.51	9.97 -340.98 -1.13	0.00	126.17	-213.97
bridger	brw074	43	4.99	-109	42.54	11362.00	WY	979535.06	980445.71	17.00 -387.53 -0.83	0.00	157.08	-214.28
bridger	brw075	43	9.21	-109	42.27	10515.00	WY	979607.13	980452.06	7.91 -358.64 -1.06	0.00	143.29	-208.50
bridger	brw076	43	12.15	-109	42.16	11085.00	WY	979583.44	980456.40	9.74 -378.08 -0.92	0.00	168.67	-200.58
bridger	brw077	43	14.91	-109	44.51	10940.00	WY	979594.38	980460.64	7.64 -373.13 -0.96	0.00	161.84	-204.61
bridger	brw080	43	19.30	-109	42.79	11202.00	WY	979589.88	980467.25	11.25 -382.07 -0.88	0.00	175.34	-196.36
bridger	brw081	43	19.03	-109	42.87	11202.00	WY	979591.75	980466.84	7.51 -382.07 -0.88	0.00	177.61	-197.83
bridger	brw082	43	18.63	-109	42.56	11800.00	WY	979598.13	980466.24	8.10 -377.91 -0.92	0.00	173.15	-197.57
bridger	brw084	43	18.35	-109	42.22	11240.00	WY	979589.44	980465.81	7.53 -383.36 -0.87	0.00	179.88	-196.82

Station data for 1980, 1981

Bridger Wilderness

Meter used: G-235 & G-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES			
IDENTIFICATION		LATITUDE	LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)			2.67 g/cc				AIR	2.67 g/cc
bridger	brw087	43	17.85	-109	42.08	11200.00	WY 979591.06	980465.06	7.20	-382.00	-0.80	0.00	178.53	-197.15
bridger	brw088	43	2.00	-109	38.29	11550.00	WY 979532.06	980442.42	12.98	-393.94	-0.78	0.00	175.05	-206.69
bridger	brw089	43	4.90	-109	38.08	10346.00	WY 979618.69	980445.58	7.46	-352.87	-1.10	0.00	145.46	-201.06
bridger	brw090	43	7.11	-109	38.41	10575.00	WY 979605.81	980448.90	8.72	-360.68	-1.05	0.00	150.78	-202.23
bridger	brw091	43	5.74	-109	36.43	10013.00	WY 979592.44	980446.84	12.42	-368.00	-0.99	0.00	161.81	-195.56
bridger	brw092	43	3.72	-109	34.05	10842.00	WY 979588.63	980443.80	13.26	-369.79	-0.98	0.00	163.73	-193.78
bridger	brw093	43	2.59	-109	37.26	10565.00	WY 979603.69	980442.10	5.25	-360.34	-1.05	0.00	154.48	-201.67
bridger	brw094	43	0.76	-109	34.71	10450.00	WY 979609.63	980439.35	6.26	-356.42	-1.08	0.00	152.36	-198.88
bridger	brw095	43	8.38	-109	39.08	11170.00	WY 979571.25	980450.81	8.90	-380.98	-0.89	0.00	170.17	-202.80
bridger	brw096	43	10.60	-109	39.96	11598.00	WY 979551.44	980454.16	8.90	-395.57	-0.76	0.00	187.20	-200.24
bridger	brw097	43	12.08	-109	39.47	13370.00	WY 979424.25	980456.38	33.04	-456.01	-0.10	0.00	224.15	-198.92
bridger	brw098	43	10.26	-109	40.26	11130.00	WY 979560.38	980453.64	7.52	-379.61	-0.90	0.00	152.67	-220.32
bridger	brw101	43	8.64	-109	46.82	10620.00	WY 979591.19	980451.20	4.25	-362.22	-1.04	0.00	138.02	-220.98
bridger	brw102	43	8.30	-109	46.00	10590.00	WY 979595.38	980450.69	4.13	-361.19	-1.05	0.00	139.92	-218.19
bridger	brw103	43	8.03	-109	44.69	10324.00	WY 979613.88	980450.28	4.38	-352.12	-1.11	0.00	133.85	-215.00
bridger	brw104	43	6.83	-109	44.10	10455.00	WY 979604.44	980448.48	4.31	-356.59	-1.08	0.00	138.50	-214.86
bridger	brw105	43	10.55	-109	36.07	13468.00	WY 979425.25	980454.08	33.75	-459.35	-0.06	0.00	236.62	-189.04
bridger	brw106	43	11.78	-109	32.54	12035.00	WY 979530.75	980455.92	22.34	-410.48	-0.62	0.00	205.72	-183.04
bridger	brw107	43	8.52	-109	31.23	10185.00	WY 979644.75	980451.02	8.15	-347.38	-1.14	0.00	150.95	-189.43
bridger	brw108	43	6.35	-109	34.21	12450.00	WY 979491.75	980447.76	11.01	-424.63	-0.47	0.00	213.85	-200.24
bridger	brw109	43	8.30	-109	35.53	12700.00	WY 979476.19	980450.69	22.78	-433.16	-0.38	0.00	218.86	-191.90
bridger	brw111	43	12.73	-109	34.94	12330.00	WY 979515.13	980457.36	17.13	-420.54	-0.51	0.00	216.41	-187.51
bridger	brw112	43	13.64	-109	34.09	12210.00	WY 979524.63	980458.73	20.51	-416.45	-0.56	0.00	213.27	-183.23
bridger	brw113	43	14.79	-109	32.81	11007.00	WY 979557.69	980460.46	14.91	-402.70	-0.70	0.00	206.75	-181.74
bridger	brw114	43	14.09	-109	30.01	9610.00	WY 979697.01	980459.40	6.42	-327.77	-1.26	0.00	141.62	-180.99
bridger	brw115	43	16.51	-109	52.66	11618.00	WY 979515.06	980463.05	20.59	-396.26	-0.76	0.00	143.76	-232.66
bridger	brw117	43	13.68	-109	54.02	11316.00	WY 979528.19	980458.79	21.28	-385.96	-0.85	0.00	132.80	-232.72
bridger	brw119	43	11.11	-109	54.51	11091.00	WY 979529.19	980454.92	30.90	-378.28	-0.91	0.00	116.54	-231.75
bridger	brw120	43	9.40	-109	53.04	10850.00	WY 979546.75	980452.47	16.22	-370.06	-0.90	0.00	113.97	-240.85
bridger	brw121	43	9.15	-109	51.44	11034.00	WY 979534.94	980451.97	21.92	-376.34	-0.93	0.00	119.92	-235.43
bridger	brw122	43	19.19	-109	55.00	10223.00	WY 979603.44	980467.08	12.86	-348.68	-1.13	0.00	97.13	-239.82
bridger	brw123	43	16.00	-109	37.69	10597.00	WY 979627.25	980463.40	8.19	-361.43	-1.04	0.00	159.65	-194.64
bridger	brw124	43	13.44	-109	47.40	11695.00	WY 979500.50	980458.43	46.84	-398.88	-0.73	0.00	141.09	-211.69
bridger	brw125	43	13.23	-109	50.78	11420.00	WY 979527.06	980458.11	24.16	-389.50	-0.82	0.00	142.15	-224.01
bridger	brw126	43	11.77	-109	48.21	10925.00	WY 979576.38	980455.91	6.45	-372.62	-0.96	0.00	147.14	-219.99
bridger	brw127	43	8.36	-109	49.12	10165.00	WY 979610.13	980450.78	5.25	-346.70	-1.15	0.00	114.66	-227.93
bridger	brw128	43	20.89	-109	49.16	10934.00	WY 979582.38	980469.65	16.56	-372.93	-0.96	0.00	140.30	-217.03
bridger	brw129	42	51.11	-109	47.08	7266.00	WY 979715.63	980424.03	0.93	-247.02	-1.51	0.00	-26.21	-274.61
bridger	brw130	42	51.53	-109	45.42	7164.00	WY 979727.75	980425.46	1.15	-244.34	-1.51	0.00	-24.28	-268.99
bridger	brw131	42	52.78	-109	45.17	7272.00	WY 979728.13	980427.34	2.10	-248.03	-1.51	0.00	-15.65	-263.08

Station data for 1981

Bridger Wilderness

Meter used: G-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES				
IDENTIFICATION		LATITUDE	LONGITUDE			ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc				AIR	2.67 g/cc
bridger	brw132	42	55.86	-189	45.52	8097.00	WY	979691.56	988430.77	2.84	-276.17	-1.46	0.00	21.92	-252.87
bridger	brw133	42	54.25	-189	43.55	8378.00	WY	979676.56	988429.55	3.92	-285.48	-1.44	0.00	33.73	-249.26
bridger	brw134	42	58.27	-189	58.76	7144.00	WY	979722.69	988423.56	0.58	-243.66	-1.51	0.00	-29.32	-273.99
bridger	brw135	42	46.83	-189	44.58	7819.00	WY	979722.25	988417.28	0.56	-239.48	-1.52	0.00	-35.14	-275.58
bridger	brw136	42	47.97	-189	44.69	7279.00	WY	979712.19	988428.11	0.96	-248.27	-1.51	0.00	-23.65	-272.47
bridger	brw137	42	49.33	-189	43.68	7218.00	WY	979725.44	988422.16	0.88	-246.19	-1.51	0.00	-18.28	-265.82
bridger	brw138	42	51.95	-189	39.87	7916.00	WY	979788.81	988426.89	2.86	-269.99	-1.48	0.00	26.79	-242.62
bridger	brw139	42	52.88	-189	53.39	7179.00	WY	979726.58	988426.17	0.49	-244.86	-1.51	0.00	-24.81	-278.69
bridger	brw140	42	53.76	-189	54.81	7258.00	WY	979723.81	988428.82	0.61	-247.55	-1.51	0.00	-22.76	-271.21
bridger	brw141	42	55.82	-189	53.75	7422.00	WY	979713.44	988438.71	0.66	-253.14	-1.58	0.00	-19.57	-273.56
bridger	brw142	42	56.38	-189	54.88	7452.00	WY	979712.88	988432.76	0.85	-254.17	-1.58	0.00	-19.48	-274.22
bridger	brw143	42	54.42	-189	56.88	7252.00	WY	979726.44	988429.81	0.58	-247.34	-1.51	0.00	-21.65	-278.88
bridger	brw144	42	54.18	-189	58.82	7264.00	WY	979728.88	988429.45	0.89	-247.75	-1.51	0.00	-18.62	-267.88
bridger	brw145	43	3.92	-189	54.41	7829.00	WY	979781.81	988444.89	3.23	-267.82	-1.48	0.00	-6.37	-271.64
bridger	brw146	43	2.44	-189	55.89	7523.00	WY	979714.58	988441.88	1.68	-256.59	-1.58	0.00	-28.18	-276.59
bridger	brw147	43	1.16	-189	57.49	7629.00	WY	979784.94	988439.95	8.97	-268.28	-1.49	0.00	-17.89	-278.61
bridger	brw148	42	59.25	-189	59.68	7428.00	WY	979717.31	988437.88	8.88	-253.87	-1.58	0.00	-22.26	-276.84
bridger	brw149	42	58.32	-189	48.13	7345.00	WY	979737.94	988423.65	1.72	-258.52	-1.51	0.00	4.73	-245.57
bridger	brw150	42	58.78	-189	39.22	7379.00	WY	979748.31	988424.22	2.38	-251.68	-1.51	0.00	9.71	-241.17
bridger	brw151	42	51.35	-189	37.38	7298.00	WY	979756.81	988425.19	4.53	-248.64	-1.51	0.00	16.88	-228.74
bridger	brw152	42	58.88	-189	38.11	7486.00	WY	979745.31	988424.48	3.29	-252.68	-1.58	0.00	17.88	-233.81
bridger	brw153	42	49.88	-189	48.48	7489.00	WY	979732.69	988422.86	1.37	-252.78	-1.58	0.00	6.26	-246.57
bridger	brw154	42	49.67	-189	41.86	7345.00	WY	979735.19	988422.66	1.28	-258.52	-1.51	0.00	2.97	-247.78
bridger	brw155	42	49.99	-189	42.18	7487.00	WY	979726.94	988423.15	1.12	-252.63	-1.58	0.00	8.88	-252.93
bridger	brw156	42	47.64	-189	48.31	7125.00	WY	979739.44	988419.62	1.25	-243.81	-1.51	0.00	-18.42	-253.78
bridger	brw157	42	46.58	-189	39.94	7179.00	WY	979735.58	988417.98	0.87	-244.86	-1.51	0.00	-7.52	-253.82
bridger	brw158	42	49.31	-189	38.62	7484.00	WY	979728.86	988422.13	1.89	-255.26	-1.58	0.00	9.45	-245.42
bridger	brw159	42	48.18	-189	37.74	7444.00	WY	979727.25	988428.31	1.47	-253.89	-1.58	0.00	6.72	-247.28
bridger	brw160	42	46.78	-189	37.46	7233.00	WY	979739.69	988418.28	1.27	-246.78	-1.51	0.00	1.41	-245.53
bridger	brw161	42	45.27	-189	38.12	7865.00	WY	979745.25	988416.85	1.82	-248.97	-1.51	0.00	-6.67	-248.13
bridger	brw162	42	45.81	-189	48.49	7828.00	WY	979736.38	988415.66	0.88	-239.43	-1.52	0.00	-19.48	-259.54
bridger	brw163	42	45.81	-189	42.84	7819.00	WY	979722.81	988415.66	0.55	-239.48	-1.52	0.00	-33.81	-273.38
bridger	brw164	42	47.49	-189	42.44	7115.00	WY	979733.56	988419.39	0.98	-242.67	-1.51	0.00	-16.98	-268.19
bridger	brw165	42	47.87	-189	46.86	7848.00	WY	979721.81	988418.76	0.68	-248.11	-1.52	0.00	-35.18	-276.13
bridger	brw166	42	48.95	-189	58.12	7188.00	WY	979721.69	988421.58	0.47	-242.43	-1.51	0.00	-31.78	-275.18
bridger	brw167	43	8.73	-189	49.24	8488.00	WY	979672.19	988439.38	4.18	-289.23	-1.42	0.00	29.97	-256.58
bridger	brw168	43	25.46	-189	45.82	18418.00	WY	979644.81	988476.52	5.51	-355.86	-1.89	0.00	146.63	-284.88
bridger	brw169	43	26.65	-189	46.18	11356.00	WY	979585.88	988478.32	18.16	-387.32	-8.84	0.00	173.88	-284.11
bridger	brw170	43	26.74	-189	49.64	18188.00	WY	979659.88	988478.45	3.31	-344.75	-1.16	0.00	138.51	-212.18
bridger	brw171	43	28.89	-189	52.54	9218.00	WY	979785.13	988481.69	1.81	-314.13	-1.33	0.00	89.89	-224.55

Station data for 1981
 Bridger Wilderness
 Meter used: 6-198

STATION		L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S				A N O M A L I E S		
IDENTIFICATION		LATITUDE	LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)			2.67 g/cc				AIR	2.67 g/cc
bridger	brw173	42	45.12	-109	36.01	7043.00	WY 979748.63	980415.83	1.62	-240.22	-1.52	0.00	-5.13	-245.25
bridger	brw174	42	45.87	-109	33.84	7166.00	WY 979751.88	980416.95	2.84	-244.41	-1.51	0.00	8.57	-234.52
bridger	brw175	42	46.28	-109	35.30	7254.00	WY 979745.25	980417.56	1.76	-247.41	-1.51	0.00	9.56	-237.60
bridger	brw176	42	47.78	-109	35.80	7448.00	WY 979735.13	980419.82	1.90	-254.03	-1.50	0.00	15.44	-238.19
bridger	brw177	42	48.63	-109	35.57	7517.00	WY 979735.75	980421.10	2.34	-256.38	-1.50	0.00	21.22	-234.32
bridger	brw178	42	49.24	-109	34.49	7868.00	WY 979723.06	980422.02	2.98	-268.35	-1.48	0.00	40.61	-226.25
bridger	brw179	42	43.05	-109	33.33	7150.00	WY 979742.13	980412.71	1.48	-243.87	-1.51	0.00	1.52	-242.38
bridger	brw180	42	42.86	-109	31.03	7258.00	WY 979743.00	980412.42	2.27	-247.55	-1.51	0.00	12.82	-233.97
bridger	brw181	42	43.32	-109	29.45	7824.00	WY 979717.31	980413.12	2.98	-266.05	-1.48	0.00	39.64	-225.71
bridger	brw182	42	41.60	-109	33.46	7116.00	WY 979736.75	980410.53	1.03	-242.71	-1.51	0.00	-4.84	-248.03
bridger	brw183	42	40.47	-109	34.51	7112.00	WY 979727.88	980408.84	0.75	-242.57	-1.51	0.00	-12.41	-255.75
bridger	brw184	42	41.51	-109	35.28	7118.00	WY 979731.19	980410.40	0.81	-242.77	-1.51	0.00	-10.09	-253.57
bridger	brw185	42	41.90	-109	37.03	7174.00	WY 979723.44	980410.98	0.68	-244.68	-1.51	0.00	-13.18	-258.70
bridger	brw186	42	40.62	-109	36.54	7168.00	WY 979719.19	980409.06	0.60	-244.48	-1.51	0.00	-16.07	-261.46
bridger	brw187	42	39.34	-109	36.91	7218.00	WY 979707.06	980407.14	0.60	-246.19	-1.51	0.00	-21.57	-268.67
bridger	brw188	42	38.24	-109	35.91	7412.00	WY 979693.06	980405.48	0.57	-252.00	-1.50	0.00	-15.68	-269.41
bridger	brw189	42	39.14	-109	34.26	7312.00	WY 979709.75	980406.84	1.12	-249.39	-1.51	0.00	-9.73	-259.51
bridger	brw190	42	41.49	-109	32.27	7144.00	WY 979736.94	980410.37	1.18	-243.66	-1.51	0.00	-1.85	-245.85
bridger	brw191	42	40.80	-109	30.50	7178.00	WY 979736.94	980409.33	1.37	-244.82	-1.51	0.00	2.36	-242.61
bridger	brw192	42	39.95	-109	29.93	7213.00	WY 979733.00	980408.05	1.25	-246.01	-1.51	0.00	3.02	-243.25
bridger	brw193	42	38.60	-109	28.21	7280.00	WY 979730.44	980406.02	1.26	-248.30	-1.51	0.00	8.74	-239.01
bridger	brw194	42	37.58	-109	26.71	7266.00	WY 979731.75	980404.49	1.82	-247.82	-1.51	0.00	10.29	-237.23
bridger	brw195	42	36.71	-109	28.76	7180.00	WY 979727.00	980403.18	0.77	-244.89	-1.51	0.00	-1.24	-246.87
bridger	brw196	42	36.97	-109	31.36	7155.00	WY 979719.94	980403.58	0.61	-244.04	-1.51	0.00	-11.06	-256.00
bridger	brw197	42	35.77	-109	33.25	7226.00	WY 979704.19	980401.77	0.45	-246.46	-1.51	0.00	-18.33	-265.84
bridger	brw198	42	34.43	-109	34.34	7260.00	WY 979695.69	980399.76	0.37	-247.62	-1.51	0.00	-21.61	-270.37
bridger	brw199	42	56.69	-109	47.67	7419.00	WY 979731.06	980433.22	2.46	-253.04	-1.50	0.00	-4.76	-256.84
bridger	brw200	43	1.30	-109	46.53	7420.00	WY 979747.25	980440.16	10.21	-253.07	-1.50	0.00	4.55	-239.82
bridger	brw201	43	0.99	-109	46.63	7420.00	WY 979746.56	980439.70	10.36	-253.07	-1.50	0.00	4.39	-239.83
bridger	brw202	43	0.65	-109	46.61	7419.00	WY 979743.56	980439.18	17.41	-253.04	-1.50	0.00	1.81	-235.33
bridger	brw203	43	0.40	-109	46.84	7419.00	WY 979741.69	980438.00	16.81	-253.04	-1.50	0.00	0.27	-237.47
bridger	brw204	43	0.12	-109	47.11	7420.00	WY 979741.25	980438.38	13.01	-253.07	-1.50	0.00	0.39	-241.18
bridger	brw205	42	59.79	-109	47.09	7420.00	WY 979739.06	980437.89	10.44	-253.07	-1.50	0.00	-1.32	-245.46
bridger	brw206	42	59.39	-109	47.02	7419.00	WY 979738.88	980437.28	10.57	-253.04	-1.50	0.00	-1.03	-245.01
bridger	brw207	42	58.96	-109	46.98	7419.00	WY 979739.56	980436.64	7.78	-253.04	-1.50	0.00	0.35	-246.41
bridger	brw208	42	58.60	-109	46.81	7420.00	WY 979740.19	980436.22	8.59	-253.07	-1.50	0.00	1.48	-244.50
bridger	brw210	42	57.97	-109	46.80	7420.00	WY 979739.75	980435.15	5.30	-253.07	-1.50	0.00	2.12	-247.16
bridger	brw211	42	57.64	-109	46.85	7419.00	WY 979739.38	980434.66	4.77	-253.04	-1.50	0.00	2.13	-247.64
bridger	brw212	42	56.44	-109	47.88	7420.00	WY 979727.88	980432.85	2.09	-253.07	-1.50	0.00	-7.46	-259.95
bridger	brw213	42	56.10	-109	47.97	7419.00	WY 979725.38	980432.34	2.09	-253.04	-1.50	0.00	-9.54	-262.00

Station data for 1981

Bridger Wilderness

Meter used: G-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES				
IDENTIFICATION		LATITUDE		LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc				AIR	2.67 g/cc
bridger	brw214	42	55.76	-109	48.14	7419.00	WY	979722.19	980431.02	1.83	-253.04	-1.50	0.00	-12.26	-264.97
bridger	brw215	42	55.41	-109	48.37	7421.00	WY	979719.13	980431.30	1.57	-253.11	-1.50	0.00	-14.60	-267.64
bridger	brw216	42	55.12	-109	48.47	7419.00	WY	979717.50	980430.87	1.58	-253.04	-1.50	0.00	-15.94	-268.91
bridger	brw217	42	57.43	-109	46.95	7420.00	WY	979730.19	980434.34	4.29	-253.07	-1.50	0.00	1.36	-248.93
bridger	brw218	42	57.32	-109	47.00	7419.00	WY	979737.30	980434.17	4.15	-253.04	-1.50	0.00	0.62	-249.77
bridger	brw219	42	57.29	-109	47.22	7418.00	WY	979737.94	980434.13	3.15	-253.01	-1.50	0.00	1.10	-250.26
bridger	brw220	42	57.13	-109	47.38	7418.00	WY	979735.50	980433.89	2.84	-253.01	-1.50	0.00	-1.11	-252.79
bridger	brw221	42	56.95	-109	47.41	7418.00	WY	979734.50	980433.62	3.07	-253.01	-1.50	0.00	-1.83	-253.27
bridger	brw222	42	56.85	-109	47.56	7419.00	WY	979732.63	980433.46	2.54	-253.04	-1.50	0.00	-3.47	-255.47
bridger	brw223	42	56.55	-109	47.77	7418.00	WY	979729.31	980433.02	2.25	-253.01	-1.50	0.00	-6.40	-258.66
bridger	brw224	42	56.30	-109	47.00	7419.00	WY	979726.94	980432.63	2.14	-253.04	-1.50	0.00	-8.33	-260.73
bridger	brw225	42	54.76	-109	48.68	7418.00	WY	979715.13	980430.32	1.27	-253.01	-1.50	0.00	-17.91	-271.15
bridger	brw226	42	54.45	-109	48.00	7418.00	WY	979714.06	980429.85	1.11	-253.01	-1.50	0.00	-18.50	-271.91
bridger	brw227	42	53.99	-109	49.17	7418.00	WY	979711.88	980429.16	0.90	-253.01	-1.50	0.00	-19.98	-273.59
bridger	brw228	42	53.32	-109	49.89	7521.00	WY	979703.75	980428.16	1.44	-256.52	-1.50	0.00	-17.40	-273.98
bridger	brw229	42	44.15	-109	42.04	7004.00	WY	979719.81	980414.37	0.49	-238.09	-1.52	0.00	-36.13	-276.04
bridger	brw230	42	44.14	-109	40.50	7010.00	WY	979731.00	980414.35	0.63	-239.09	-1.52	0.00	-24.39	-264.37
bridger	brw231	42	43.27	-109	40.50	6986.00	WY	979727.25	980413.05	0.50	-238.27	-1.52	0.00	-29.05	-268.26
bridger	brw232	42	43.06	-109	41.66	6996.00	WY	979720.69	980412.73	0.49	-238.61	-1.52	0.00	-34.40	-274.04
bridger	brw233	42	40.18	-109	41.47	7241.00	WY	979696.94	980408.41	0.49	-246.97	-1.51	0.00	-30.77	-278.76
bridger	brw234	42	40.77	-109	39.53	7410.00	WY	979692.25	980409.29	0.71	-252.73	-1.50	0.00	-20.48	-274.01
bridger	brw235	42	41.01	-109	39.33	7269.00	WY	979706.50	980410.84	0.62	-247.92	-1.51	0.00	-21.07	-269.89
bridger	brw236	42	42.41	-109	37.55	7224.00	WY	979722.44	980411.75	0.68	-246.39	-1.51	0.00	-10.22	-257.44
bridger	brw237	42	44.02	-109	37.61	7069.00	WY	979740.88	980414.17	1.42	-241.10	-1.51	0.00	-8.76	-249.96
bridger	brw238	42	41.77	-109	42.05	6928.00	WY	979710.13	980410.79	0.61	-236.29	-1.52	0.00	-41.37	-270.57
bridger	brw239	43	21.55	-110	0.72	7935.00	WY	979756.31	980470.64	1.64	-270.64	-1.47	0.00	31.52	-238.96
bridger	brw240	43	23.13	-109	50.79	8297.00	WY	979732.31	980473.02	2.05	-282.99	-1.44	0.00	39.20	-243.10
bridger	brw241	43	23.11	-109	51.23	10130.00	WY	979629.94	980472.90	5.35	-345.51	-1.15	0.00	109.01	-232.29
bridger	brw242	43	23.20	-109	54.09	9713.00	WY	979643.06	980473.13	6.47	-331.28	-1.24	0.00	82.05	-243.20
bridger	brw243	43	23.99	-109	55.57	9515.00	WY	979657.25	980474.30	3.50	-324.53	-1.28	0.00	77.22	-245.09
bridger	brw244	43	23.61	-109	50.43	8660.00	WY	979709.56	980473.73	1.86	-295.37	-1.40	0.00	49.78	-245.13
bridger	brw246	43	18.04	-110	1.15	7846.00	WY	979760.13	980466.55	1.01	-267.60	-1.40	0.00	31.05	-236.22
bridger	brw247	43	14.77	-109	50.58	8139.00	WY	979730.94	980460.43	3.21	-277.60	-1.46	0.00	35.53	-240.31
bridger	brw248	43	9.71	-109	50.06	8130.00	WY	979702.25	980452.01	2.30	-277.29	-1.46	0.00	13.63	-262.02
bridger	brw249	43	4.65	-110	1.13	7627.00	WY	979707.63	980445.20	0.04	-260.14	-1.49	0.00	-20.62	-281.41
bridger	brw250	43	3.04	-110	1.41	7503.00	WY	979707.25	980442.78	0.69	-250.63	-1.50	0.00	-22.73	-282.17
bridger	brw251	42	57.64	-109	59.31	7437.00	WY	979716.19	980434.66	0.52	-253.65	-1.50	0.00	-19.38	-274.02
bridger	brw252	42	56.37	-109	57.53	7317.00	WY	979723.00	980432.74	0.60	-249.56	-1.51	0.00	-21.00	-271.55
bridger	brw253	42	52.00	-109	50.12	7236.00	WY	979729.19	980427.30	0.40	-246.00	-1.51	0.00	-10.01	-265.92
bridger	brw254	42	38.24	-109	30.24	7159.00	WY	979729.00	980405.40	0.06	-244.17	-1.51	0.00	-3.52	-248.35

BOUGUER GRAVITY DATA

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Station data for 1981

Bridger Wilderness

Meter used: G-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES				
IDENTIFICATION		LATITUDE	LONGITUDE			ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc				AIR	2.67 g/cc
bridger	brw255	42	40.31	-109	25.66	7690.00	WY	979723.75	980408.59	2.69	-262.28	-1.49	0.00	37.98	-223.10
bridger	brw256	42	39.77	-109	27.57	7585.00	WY	979719.38	980407.78	1.47	-258.70	-1.50	0.00	24.57	-234.16
bridger	brw257	42	39.36	-109	23.55	8407.00	WY	979684.19	980407.16	2.93	-286.74	-1.43	0.00	67.22	-218.02
bridger	brw258	42	39.75	-109	22.31	8344.00	WY	979692.75	980407.75	2.46	-284.59	-1.44	0.00	69.33	-214.24
bridger	brw260	42	51.06	-109	23.85	9945.00	WY	979639.50	980424.76	3.27	-339.20	-1.19	0.00	149.45	-187.67
bridger	brw261	42	49.00	-109	25.19	9823.00	WY	979639.56	980421.66	3.40	-335.03	-1.22	0.00	141.15	-191.70
bridger	brw262	42	48.04	-109	22.52	9928.00	WY	979633.38	980420.22	3.40	-338.62	-1.20	0.00	146.22	-190.19
bridger	brw263	42	45.74	-109	25.08	9486.00	WY	979645.81	980416.76	3.47	-323.54	-1.20	0.00	120.64	-200.71
bridger	brw264	42	48.19	-109	27.43	9497.00	WY	979646.63	980420.45	3.17	-323.92	-1.20	0.00	118.00	-203.23
bridger	brw265	42	49.65	-109	28.10	9676.00	WY	979640.86	980422.63	3.59	-330.02	-1.25	0.00	126.82	-200.85
bridger	brw266	42	51.69	-109	27.10	9570.00	WY	979654.19	980425.70	3.23	-326.41	-1.27	0.00	127.92	-196.52
bridger	brw267	42	52.70	-109	25.45	9810.00	WY	979647.38	980427.22	3.82	-334.59	-1.22	0.00	142.13	-189.86
bridger	brw268	42	54.79	-109	22.86	10252.00	WY	979629.50	980430.37	5.21	-349.67	-1.13	0.00	162.63	-182.96
bridger	brw269	42	56.13	-109	25.13	10602.00	WY	979608.44	980432.38	5.14	-361.60	-1.04	0.00	172.46	-185.05
bridger	brw270	43	2.98	-109	49.50	7795.00	WY	979718.19	980442.69	9.44	-265.07	-1.48	0.00	8.24	-249.67
bridger	brw271	43	5.24	-109	51.52	9275.00	WY	979633.44	980446.09	4.89	-316.34	-1.32	0.00	59.12	-253.65
bridger	brw272	43	5.23	-109	47.81	9245.00	WY	979655.08	980446.08	5.92	-315.32	-1.32	0.00	78.72	-232.00
bridger	brw273	43	3.35	-109	46.27	9400.00	WY	979640.13	980443.24	6.25	-323.34	-1.28	0.00	87.87	-230.49
bridger	brw274	42	58.49	-109	43.83	9200.00	WY	979649.88	980435.93	3.93	-313.79	-1.33	0.00	78.62	-232.56
bridger	brw275	42	58.73	-109	40.01	9535.00	WY	979641.25	980436.29	4.35	-325.21	-1.27	0.00	101.09	-221.04
bridger	brw276	42	56.67	-109	40.50	7956.00	WY	979723.56	980433.20	8.75	-271.36	-1.47	0.00	38.19	-225.89
bridger	brw277	42	53.37	-109	38.50	7916.00	WY	979723.69	980428.23	4.05	-269.99	-1.48	0.00	39.57	-227.85
bridger	brw278	42	52.72	-109	36.34	8476.00	WY	979694.06	980427.26	4.35	-289.09	-1.42	0.00	63.52	-222.65
bridger	brw279	42	55.49	-109	36.50	9435.00	WY	979650.69	980431.41	3.61	-321.00	-1.29	0.00	106.02	-213.46
bridger	brw280	42	58.49	-109	36.68	9797.00	WY	979639.13	980435.93	3.71	-334.15	-1.22	0.00	123.95	-207.71
bridger	brw281	42	59.34	-109	32.82	10512.00	WY	979607.56	980437.21	5.21	-358.53	-1.07	0.00	158.28	-196.11
bridger	brw282	42	57.23	-109	34.00	9940.00	WY	979634.50	980434.03	3.74	-339.02	-1.19	0.00	134.70	-201.78
bridger	brw283	42	56.48	-109	30.04	9834.00	WY	979646.50	980432.91	4.59	-335.41	-1.22	0.00	137.85	-194.19
bridger	brw284	42	54.88	-109	33.59	9679.00	WY	979642.94	980430.51	3.79	-330.12	-1.25	0.00	122.15	-205.42
bridger	brw285	42	53.98	-109	31.59	9386.00	WY	979661.63	980429.15	5.39	-320.13	-1.30	0.00	114.63	-201.40
bridger	brw286	42	52.35	-109	32.00	8844.00	WY	979676.01	980426.70	3.96	-301.64	-1.38	0.00	81.40	-217.67
bridger	brw287	42	50.00	-109	35.75	7407.00	WY	979740.50	980423.16	5.32	-252.63	-1.50	0.00	21.62	-227.20
bridger	brw288	42	44.73	-109	26.15	9351.00	WY	979645.06	980415.24	3.41	-318.94	-1.30	0.00	100.69	-200.14
bridger	brw289	42	44.29	-109	22.05	9722.00	WY	979636.69	980414.50	3.35	-331.59	-1.24	0.00	135.87	-193.61
bridger	brw290	42	41.64	-109	21.79	8921.00	WY	979672.08	980410.59	6.15	-304.27	-1.37	0.00	100.77	-198.71
bridger	brw291	42	41.41	-109	18.90	9282.00	WY	979653.08	980410.25	2.94	-316.58	-1.32	0.00	116.05	-198.91
bridger	brw292	42	43.30	-109	18.56	9225.00	WY	979666.38	980413.21	4.17	-314.64	-1.32	0.00	120.23	-191.56
bridger	brw293	42	42.74	-109	15.20	9420.00	WY	979660.50	980412.24	3.61	-321.29	-1.29	0.00	133.62	-185.35
bridger	brw294	42	43.30	-109	14.23	9485.00	WY	979658.08	980413.09	4.62	-323.51	-1.28	0.00	137.29	-182.00
bridger	brw295	42	44.55	-109	12.12	9690.00	WY	979649.13	980414.97	7.04	-330.50	-1.24	0.00	144.90	-179.00

Station data for 1981

Bridger Wilderness

Meter used: 6-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES			
IDENTIFICATION		LATITUDE	LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)			2.67 g/cc				AIR	2.67 g/cc
bridger	brw296	42	44.01	-109	9.23	10278.00	WY 979612.75	980414.16	11.07	-350.55	-1.12	0.00	164.58	-176.03
bridger	brw297	42	42.75	-109	10.57	10650.00	WY 979589.13	980412.27	7.41	-363.24	-1.03	0.00	177.74	-179.13
bridger	brw298	42	41.68	-109	9.45	10839.00	WY 979573.63	980410.66	11.14	-369.69	-0.98	0.00	181.63	-177.90
bridger	brw299	42	40.25	-109	8.75	10786.00	WY 979575.69	980408.50	7.54	-367.88	-1.00	0.00	180.83	-180.51
bridger	brw300	42	39.34	-109	10.69	11180.00	WY 979538.25	980407.14	13.35	-381.32	-0.89	0.00	181.76	-187.10
bridger	brw301	42	42.51	-109	7.66	13192.00	WY 979407.88	980411.90	37.94	-449.94	-0.18	0.00	235.52	-176.66
bridger	brw302	42	42.30	-109	12.71	10058.00	WY 979621.50	980411.59	5.95	-343.05	-1.17	0.00	155.21	-183.06
bridger	brw303	42	36.16	-109	7.61	9352.00	WY 979652.19	980402.36	4.14	-318.97	-1.30	0.00	128.82	-187.32
bridger	brw304	42	37.73	-109	11.69	9123.00	WY 979664.25	980404.71	4.53	-311.16	-1.34	0.00	117.01	-190.96
bridger	brw305	42	40.69	-109	12.41	9762.00	WY 979634.00	980409.17	4.63	-332.95	-1.23	0.00	142.36	-187.20
bridger	brw306	42	45.44	-109	15.38	10153.00	WY 979623.00	980416.30	4.65	-346.29	-1.15	0.00	160.95	-181.84
bridger	dod139	42	30.60	-109	44.30	7194.00	WY 979690.06	980394.01	0.15	-245.37	-1.51	0.00	-27.59	-274.35
bridger	dod139	42	31.30	-109	59.33	6799.00	WY 979725.38	980395.06	0.10	-231.89	-1.52	0.00	-30.47	-263.81
bridger	dod139	42	31.70	-109	51.31	6987.00	WY 979703.81	980395.66	0.15	-230.31	-1.52	0.00	-34.93	-274.64
bridger	dod139	42	36.21	-109	43.65	7101.00	WY 979699.00	980402.43	0.22	-242.19	-1.51	0.00	-35.94	-279.43
bridger	dod139	42	37.81	-109	58.48	7069.00	WY 979711.25	980404.84	0.12	-241.10	-1.51	0.00	-28.96	-271.49
bridger	dod139	42	42.25	-109	51.55	7417.00	WY 979689.13	980411.52	0.39	-252.97	-1.50	0.00	-25.19	-279.28
bridger	dod139	42	46.79	-109	57.75	7053.00	WY 979731.44	980418.34	0.37	-240.56	-1.51	0.00	-23.88	-265.59
bridger	dod139	43	1.85	-109	19.90	12156.00	WY 979514.19	980440.98	15.57	-414.61	-0.58	0.00	215.50	-184.12
bridger	dod139	43	4.30	-109	13.08	10754.00	WY 979607.13	980444.67	13.60	-366.79	-1.00	0.00	173.17	-181.05
bridger	dod139	43	10.05	-109	18.52	10349.00	WY 979628.94	980453.33	15.29	-352.97	-1.10	0.00	148.21	-190.58
bridger	dod139	43	29.71	-110	5.65	9010.00	WY 979643.31	980402.93	2.61	-334.59	-1.22	0.00	82.41	-250.00
bridger	dod139	43	23.92	-110	7.92	8674.00	WY 979722.06	980474.21	1.01	-295.85	-1.40	0.00	63.21	-233.06
bridger	brw307	42	46.61	-109	17.64	9878.00	WY 979642.69	980418.06	4.45	-336.91	-1.21	0.00	153.01	-180.66
bridger	brw308	42	45.51	-109	21.06	9926.00	WY 979631.00	980416.41	3.42	-338.55	-1.20	0.00	147.47	-180.86
bridger	brw309	42	48.40	-109	20.26	10522.00	WY 979603.75	980420.76	4.46	-358.88	-1.06	0.00	171.87	-183.61
bridger	brw310	42	47.95	-109	16.86	10254.00	WY 979623.69	980420.09	4.46	-349.73	-1.13	0.00	167.28	-179.12
bridger	brw311	42	50.32	-109	18.30	10570.00	WY 979607.44	980423.65	5.59	-360.51	-1.05	0.00	177.19	-178.78
bridger	brw312	42	52.33	-109	20.99	10820.00	WY 979590.81	980426.67	7.38	-369.31	-0.99	0.00	181.78	-181.14
bridger	brw313	42	58.84	-109	29.11	10555.00	WY 979609.31	980436.46	5.36	-360.00	-1.05	0.00	164.81	-190.88
bridger	brw314	42	56.89	-109	27.27	10542.00	WY 979608.38	980433.53	5.74	-359.56	-1.06	0.00	165.62	-189.26
bridger	brw315	42	55.11	-109	28.12	10119.00	WY 979630.25	980430.84	3.87	-345.13	-1.16	0.00	150.39	-192.03
bridger	brw316	42	55.82	-109	44.08	7599.00	WY 979731.81	980431.91	5.24	-259.18	-1.50	0.00	14.24	-241.20
bridger	brw317	43	1.10	-110	0.71	7530.00	WY 979709.81	980439.85	0.62	-256.83	-1.50	0.00	-22.21	-279.91
bridger	brw318	42	58.91	-110	2.21	7465.00	WY 979714.44	980436.56	1.14	-254.61	-1.50	0.00	-20.42	-275.40
bridger	brw319	42	59.23	-110	5.53	7463.00	WY 979715.63	980437.05	0.55	-254.54	-1.50	0.00	-19.87	-275.37
bridger	brw320	42	48.95	-109	48.26	7142.00	WY 979718.75	980421.58	0.56	-243.59	-1.51	0.00	-31.47	-276.02
bridger	brw321	42	47.70	-109	47.54	7052.00	WY 979721.94	980419.70	0.53	-240.52	-1.51	0.00	-34.83	-276.33
bridger	brw322	42	52.58	-109	40.96	7826.00	WY 979713.38	980427.04	1.89	-266.92	-1.40	0.00	21.97	-244.54
bridger	bsb001	42	41.33	-109	16.12	9080.00	WY 979672.56	980410.13	3.58	-309.69	-1.35	0.00	115.90	-191.56

Station data for 1981
 Bridger Wilderness
 Meter used: 6-198

STATION		LOCATIONS				GRAVITY		CORRECTIONS			ANOMALIES			
IDENTIFICATION		LATITUDE	LONGITUDE			ELE	ST OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)			2.67 g/cc				AIR	2.67 g/cc
bridger	brw323	42	34.20	-109	14.85	7864.00	WY 979717.00	980399.41	2.22	-268.22	-1.48	0.00	56.78	-210.70
bridger	brw324	42	33.53	-109	11.83	8212.00	WY 979700.31	980398.41	1.79	-280.09	-1.45	0.00	73.83	-205.92
bridger	brw325	42	36.31	-109	12.17	8975.00	WY 979670.06	980402.59	2.79	-306.11	-1.36	0.00	111.04	-193.64
bridger	brw326	42	35.56	-109	11.12	8852.00	WY 979674.19	980401.46	2.61	-301.92	-1.38	0.00	104.74	-195.95
bridger	brw327	42	33.49	-109	8.21	8536.00	WY 979689.06	980398.35	2.09	-291.14	-1.42	0.00	93.03	-197.44
bridger	brw328	42	31.06	-109	8.97	8272.00	WY 979695.31	980395.90	1.55	-282.13	-1.45	0.00	76.99	-205.04
bridger	brw329	42	30.40	-109	12.16	8107.00	WY 979684.69	980393.71	1.65	-276.51	-1.46	0.00	53.00	-223.32
bridger	brw330	42	31.92	-109	12.19	8028.00	WY 979703.63	980395.98	1.35	-273.01	-1.47	0.00	62.25	-211.68
bridger	brw331	42	49.06	-109	31.79	8990.00	WY 979668.19	980422.95	4.41	-306.62	-1.36	0.00	90.20	-213.37
bridger	brw332	42	48.55	-109	32.08	9092.00	WY 979649.06	980420.98	8.90	-310.10	-1.34	0.00	82.65	-219.90
bridger	brw333	42	46.08	-109	30.92	9420.00	WY 979631.56	980418.47	8.25	-321.29	-1.29	0.00	98.46	-215.87
bridger	brw334	42	44.78	-109	30.09	7600.00	WY 979723.50	980415.31	3.79	-261.94	-1.49	0.00	30.11	-229.53
bridger	brw335	42	33.31	-109	36.70	7355.00	WY 979684.44	980398.08	0.39	-250.06	-1.51	0.00	-22.25	-274.22
bridger	brw336	42	34.15	-109	30.82	7252.00	WY 979706.25	980399.34	0.51	-247.34	-1.51	0.00	-11.34	-259.69
bridger	brw337	42	35.44	-109	27.59	7191.00	WY 979724.94	980401.28	0.71	-245.26	-1.51	0.00	-0.37	-246.43
bridger	brw338	42	34.60	-109	24.09	7223.00	WY 979730.44	980400.02	1.00	-246.36	-1.51	0.00	9.40	-237.38
bridger	brw339	42	37.19	-109	24.07	7296.00	WY 979737.44	980403.91	2.16	-240.85	-1.51	0.00	19.40	-228.79
bridger	brw340	42	32.63	-109	21.65	7422.00	WY 979717.13	980397.05	0.94	-253.14	-1.50	0.00	17.74	-235.97
bridger	brw341	42	33.14	-109	19.52	7601.00	WY 979711.38	980397.82	1.50	-261.98	-1.49	0.00	35.60	-226.37
bridger	brw342	42	39.44	-109	17.57	9082.00	WY 979661.75	980407.28	2.47	-309.76	-1.35	0.00	100.11	-200.53
bridger	brw343	42	39.41	-109	15.93	9060.00	WY 979665.94	980407.24	3.28	-309.01	-1.35	0.00	110.27	-196.01
bridger	brw344	42	37.64	-109	15.27	8795.00	WY 979675.69	980404.58	3.24	-299.97	-1.39	0.00	97.79	-200.33
bridger	brw345	42	36.43	-109	17.09	8430.00	WY 979687.69	980402.77	2.24	-287.52	-1.43	0.00	77.30	-209.42
bridger	brw346	42	36.49	-109	18.10	8570.00	WY 979677.31	980402.86	2.79	-292.30	-1.41	0.00	80.02	-210.90
bridger	brw347	42	38.20	-109	19.24	9210.00	WY 979643.56	980405.43	3.45	-314.40	-1.33	0.00	104.52	-207.76
bridger	brw348	42	35.55	-109	18.26	8344.00	WY 979687.08	980401.45	2.61	-284.59	-1.44	0.00	70.72	-212.70
bridger	brw349	42	34.76	-109	19.64	7800.00	WY 979711.69	980400.25	2.02	-266.04	-1.40	0.00	44.65	-220.85
bridger	brw350	42	34.53	-109	20.94	7468.00	WY 979720.06	980399.91	1.91	-254.71	-1.50	0.00	30.18	-224.13
bridger	brw351	42	33.75	-109	22.48	7216.00	WY 979732.13	980398.73	1.00	-246.12	-1.51	0.00	11.71	-234.84
bridger	brw352	42	30.30	-109	20.57	7292.00	WY 979718.19	980393.55	0.85	-240.71	-1.51	0.00	10.13	-239.24
bridger	brw353	42	31.33	-109	17.76	7524.00	WY 979718.44	980395.10	1.16	-256.62	-1.50	0.00	30.60	-226.36
bridger	brw354	42	32.99	-109	25.68	7207.00	WY 979718.13	980397.59	0.61	-245.01	-1.51	0.00	-1.99	-240.71
bridger	brw355	42	30.08	-109	25.98	7165.00	WY 979711.56	980394.43	0.48	-244.38	-1.51	0.00	-9.35	-254.76
bridger	brw356	42	31.53	-109	29.37	7239.00	WY 979700.13	980395.40	0.45	-246.90	-1.51	0.00	-14.78	-262.74
bridger	brw357	42	32.35	-109	30.30	7193.00	WY 979704.75	980396.64	0.37	-245.33	-1.51	0.00	-15.73	-262.20
bridger	brw358	42	33.12	-109	32.28	7331.00	WY 979693.69	980397.79	0.46	-250.04	-1.51	0.00	-14.99	-266.00
bridger	brw359	42	32.28	-109	33.45	7199.00	WY 979697.44	980396.53	0.39	-245.54	-1.51	0.00	-22.36	-269.02
bridger	brw360	42	35.90	-109	36.08	7345.00	WY 979688.13	980401.96	0.47	-250.52	-1.51	0.00	-23.41	-274.96
bridger	brw361	42	37.46	-109	36.21	7323.00	WY 979694.81	980404.31	0.55	-249.77	-1.51	0.00	-21.11	-271.83
bridger	brw362	42	37.24	-109	33.16	7193.00	WY 979711.63	980403.98	0.51	-245.33	-1.51	0.00	-16.17	-262.51

Station data for 1981, 1982

Bridger Wilderness

Meter used: 6-198

STATION		L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S			A N O M A L I E S				
IDENTIFICATION		LATITUDE		LONGITUDE		ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER
proj	sta-id	deg	min	deg	min	(in ft)				2.67 g/cc				AIR	2.67 g/cc
bridger	brw363	42	34.38	-109	17.45	7886.00	WY	979715.00	980399.69	1.93	-266.24	-1.48	0.00	49.89	-216.71
bridger	brw364	42	36.27	-109	15.41	8428.00	WY	979691.81	980402.52	2.49	-287.45	-1.43	0.00	81.46	-204.94
bridger	brw365	43	25.55	-109	33.77	7483.00	WY	979819.50	980476.66	10.87	-255.22	-1.50	0.00	46.23	-199.63
bridger	brw366	43	27.00	-109	32.60	7446.00	WY	979825.38	980478.84	5.86	-253.96	-1.50	0.00	46.43	-203.17
bridger	brw367	43	28.12	-109	34.10	7450.00	WY	979824.19	980480.53	4.84	-254.10	-1.50	0.00	43.95	-206.81
bridger	brw368	43	28.10	-109	36.00	8969.00	WY	979726.75	980480.50	8.45	-305.91	-1.36	0.00	89.28	-209.54
bridger	brw369	43	29.82	-109	34.58	7078.00	WY	979847.06	980483.09	3.11	-241.41	-1.51	0.00	29.33	-210.49
bridger	brw370	43	16.43	-109	37.24	9930.00	WY	979664.13	980462.92	10.72	-338.68	-1.20	0.00	134.48	-194.68
bridger	brw371	43	20.04	-109	31.07	8507.00	WY	979761.50	980468.36	13.45	-290.15	-1.42	0.00	92.74	-185.38
bridger	brw372	43	22.38	-109	33.46	11508.00	WY	979564.31	980471.88	21.47	-395.23	-0.77	0.00	181.41	-193.12
bridger	brw373	43	18.00	-109	36.76	12142.00	WY	979533.13	980465.29	12.94	-414.13	-0.58	0.00	208.78	-192.99
bridger	brw374	43	16.24	-109	32.38	10253.00	WY	979658.06	980462.65	9.25	-349.70	-1.13	0.00	159.01	-182.56
bridger	brw375	43	15.70	-109	49.07	7974.00	WY	979748.81	980461.84	16.65	-271.97	-1.47	0.00	36.49	-220.30
bridger	brw376	42	49.25	-109	54.55	7750.00	WY	979685.13	980422.03	2.77	-264.33	-1.49	0.00	-8.43	-271.48
bridger	brw377	42	45.55	-109	54.30	7506.00	WY	979693.63	980416.48	0.54	-256.01	-1.50	0.00	-17.26	-274.23
bridger	brw378	42	46.53	-109	48.78	7301.00	WY	979702.44	980417.95	0.63	-249.02	-1.51	0.00	-29.18	-279.08
bridger	brw379	42	43.60	-109	45.27	7012.00	WY	979715.00	980413.55	0.38	-239.16	-1.52	0.00	-39.38	-279.67
bridger	brw380	42	55.14	-110	0.87	7903.00	WY	979687.13	980430.89	2.69	-269.55	-1.48	0.00	-0.89	-269.22
bridger	brw381	42	53.82	-110	4.57	7272.00	WY	979734.50	980428.91	0.38	-248.03	-1.51	0.00	-10.79	-259.95
bridger	brw382	42	51.73	-109	57.68	7436.00	WY	979714.00	980425.77	0.91	-253.62	-1.50	0.00	-12.74	-266.95
bridger	brw383	43	7.99	-109	28.20	9639.00	WY	979679.06	980450.23	10.11	-328.76	-1.25	0.00	134.75	-185.15
bridger	brw384	43	10.30	-109	29.03	12562.00	WY	979501.88	980453.70	19.00	-428.45	-0.43	0.00	228.56	-181.32
bridger	brw385	43	12.72	-109	27.86	11274.00	WY	979590.06	980457.34	10.94	-384.52	-0.86	0.00	192.21	-182.24
bridger	brw386	43	5.57	-109	28.10	11726.00	WY	979544.88	980446.58	14.47	-399.94	-0.72	0.00	200.20	-185.99
bridger	brw387	43	4.19	-109	28.70	9520.00	WY	979678.13	980444.50	8.09	-324.70	-1.27	0.00	128.39	-189.49
bridger	brw388	43	0.94	-109	27.54	10183.00	WY	979637.31	980439.62	5.35	-347.31	-1.14	0.00	154.71	-188.40
bridger	brw389	43	3.07	-109	30.72	10163.00	WY	979634.88	980444.02	9.13	-346.63	-1.15	0.00	146.01	-192.64
bridger	brw390	43	6.25	-109	30.43	11265.00	WY	979577.44	980447.61	6.50	-384.22	-0.86	0.00	188.48	-190.02
bridger	brw391	43	0.55	-109	30.92	11719.00	WY	979532.19	980439.03	14.86	-399.70	-0.72	0.00	194.43	-191.13
bridger	brw392	42	50.14	-109	15.79	10568.00	WY	979605.50	980423.38	10.49	-360.44	-1.05	0.00	175.30	-175.71
bridger	brw393	42	52.04	-109	18.03	10828.00	WY	979594.56	980426.23	6.07	-369.31	-0.99	0.00	185.93	-178.29
bridger	brw394	42	52.12	-109	13.61	9431.00	WY	979678.00	980426.35	9.55	-321.66	-1.29	0.00	138.04	-175.36
bridger	brw395	42	51.56	-109	10.72	9973.00	WY	979647.06	980425.51	7.07	-340.15	-1.19	0.00	158.85	-175.42
bridger	brw396	42	51.55	-109	6.47	9825.00	WY	979651.88	980425.50	9.02	-335.10	-1.22	0.00	149.00	-176.70
bridger	brw397	42	48.28	-109	2.64	8542.00	WY	979728.06	980420.58	7.36	-291.34	-1.42	0.00	110.39	-175.01
bridger	brw398	42	46.09	-109	1.02	9495.00	WY	979669.25	980417.29	6.29	-323.85	-1.28	0.00	144.38	-174.45
bridger	brw399	42	47.44	-109	6.92	9845.00	WY	979650.25	980419.31	7.18	-335.78	-1.21	0.00	156.23	-173.59
bridger	brw400	42	46.08	-109	10.00	9853.00	WY	979644.63	980417.27	11.38	-336.06	-1.21	0.00	153.42	-172.47
bridger	brw401	42	48.95	-109	11.43	11613.00	WY	979538.63	980421.58	14.31	-396.09	-0.76	0.00	208.35	-174.19
bridger	brw402	42	49.41	-109	14.77	10771.00	WY	979595.50	980422.27	6.51	-367.37	-1.00	0.00	185.48	-176.38