COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION
AND ECONOMIC DEVELOPMENT
DIVISION OF MINERAL RESOURCES

BOUGUER GRAVITY IN VIRGINIA
36°30' to 38°52'30" N.
79°00' to 80°00' W.

STANLEY S. JOHNSON

REPORT OF INVESTIGATIONS 29

VIRGINIA DIVISION OF MINERAL RESOURCES
James L. Calver
Commissioner of Mineral Resources and State Geologist

CHARLOTTESVILLE, VIRGINIA
1972

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BOUGUER GRAVITY IN VIRGINIA

36°30′ to 38°52′30″N.

79°00′ to 80°00′W.

By

Stanley S. Johnson

ABSTRACT

An area of approximately 7320 square miles in Virginia, between 79° and 80° west longitudes, was surveyed by gravimetric methods. A total of 1916 stations, utilizing bench marks, checked spot, and bridge elevations, were occupied. The reduced field data were computer-contoured. The area surveyed included parts of the Piedmont, Blue Ridge, and Valley and Ridge physiographic provinces. The maps indicate relationships with regional structures in the southwestern Piedmont where contour trends occur over the Danville basin, the Blue Ridge anticlinorium, the Sauratown uplift, the James River synclinorium, and a large allochthonous zone. A prominent gravity low on the Virginia-West Virginia state line and a high between Lexington and Staunton are the most noticeable anomalies in the area.

INTRODUCTION

The area of this gravity report consists of approximately 7320 square miles in Virginia, bounded by 79° and 80° west longitudes and the Virginia state line to the north and to the south. This area includes all or part of 17 counties (Figure 1)

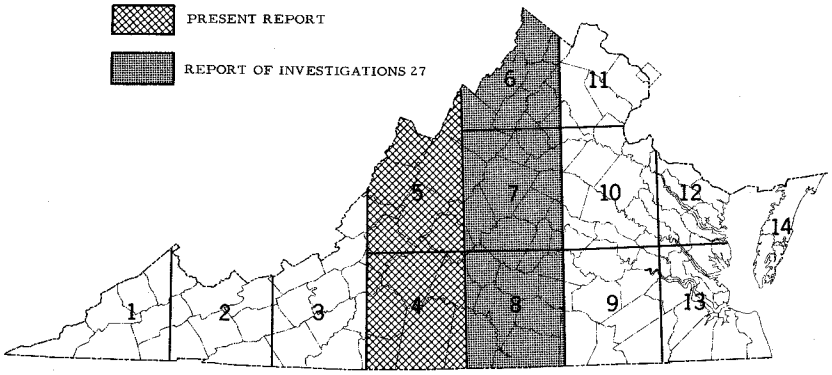

Figure 1. Location map showing areas of investigation.

located in the Piedmont, Blue Ridge, and Valley and Ridge provinces. Sheets 4 and 5 are an extension of an area adjacent to the gravity study of Johnson (1971). These maps are part of the Division's geophysical program to obtain data that will aid in the interpretation of the geologic framework of the State. Gravity methods are used predominantly in regional surveys to help determine anomalous areas that may be further investigated by geological and other geophysical techniques. The variation in the earth's gravity field is influenced by the latitude of the area, elevation above sea level, local terrain, earth tides, and rock density. The detail to which geologic features are determined depends in part on the number and distribution of stations in the field. Gravity surveys and other geophysical methods may be used to indicate mineralized zones that are not evident from visual surface investigation. The maps (Sheets 4 and 5) have been traced from computer-drawn contours utilizing the techniques as explained in Johnson, Huxsaw, and Thomas (1971).

Minor adjustments have been made to the contours along the edges of the maps in order to achieve exact matching of contours of future work. Some smoothing of contours was made within the body of the two sheets.

The writer appreciates the aid of several members of the Virginia Division of Mineral Resources who occupied stations in the area. Ronald D. Kreisa occupied most of the stations in the southern part of Sheet 4 during the summer of 1970. Kirk W. Sherwood assisted mainly in the northern part of Sheet 4 during the summer of 1971. Appreciation is extended to the Gravity Surveys Branch, U. S. Army Topographic Command, Washington, D. C., for the loan of LaCoste and Romberg gravity meter numbers 3 and 46. J. P. Tucker assisted during 1971 in the northern part of Sheet 5.

INSTRUMENTATION AND PROCEDURES

Field observations were made utilizing three LaCoste and Romberg Model G geodetic gravity meters, numbers 3, 46, and 77. Meters 46 and 77 have a range of over 7000 milligals; meter 3 has a range of 6000 milligals; each has a reading accuracy of ± 0.01 milligal. All observations were made utilizing a modified ladder-sequence loop technique. Each loop was opened and closed the same day from an established base station. Determinations of gravity were made at 921 stations in the area covered by Sheet 4, and 995 stations in Sheet 5. Field observations were made on U. S. Geological Survey and U.S. Coast and Geodetic Survey bench marks that had been established by means of first- through third-order leveling. Approximately 24 percent of the observations were made at sites for which useful, checked spot, and bridge elevations have been determined by the U. S. Geological Survey. A valid observation consisted of the average field value that was obtained from two or three consecutive readings; these observations had a maximum spread no greater than 0.01 milligal and were obtained within three minutes. Previously occupied stations in a loop were generally reoccupied every two hours during the survey. Stations were plotted on 7.5-minute series topographic quadrangle maps. Established horizontal control was utilized for station coordinates where avail-

able; for all other stations, latitude and longitude were scaled from the topographic maps. The Gravity Surveys Branch, Department of Geodesy and Geophysics, U. S. Army Topographic Command made final computations and necessary network adjustments for the Virginia Gravity Base Net in cooperation with the Virginia Division of Mineral Resources in December, 1971. These computations finalized the Virginia network into the U. S. National Gravity Base Net (USNGBN). The final net adjustments tied the Virginia base net to "Washington R" and "Raleigh K". These two national gravity stations are relative to the National Gravity Datum at "Washington A" which has an established value of 980118.00 milligals. Previously, Charlottesville was tied to "Washington A" without a network adjustment. After adjustments, the Charlottesville base was assigned a value of 979933.60 ±0.01 milligals (Johnson and Ziegler, 1972). The station data in this report were referenced and computed on the fixed value of Charlottesville (979933.558 mgal) before the final network adjustment for the base stations at Salem, Bedford, Chatham, Figsboro, and South Boston. The bases at Staunton, Monterey, Clifton Forge, and Lexington are referenced to the new datum with the adjustment. The differences between the base stations after the network adjustment are: Charlottesville +.042 mgal, Salem −.030 mgal, Bedford +.011 mgal, Figsboro −.039 mgal, Chatham −.037 mgal, and South Boston −.008 mgal.

The computation and reduction of field data was done on a Burroughs 5500 computer at the Computer Science Center, University of Virginia, Charlottesville, utilizing a modified GRAVAS program. This program is designed to reduce and correct field observations obtained with LaCoste and Romberg gravity meters and includes corrections for solar and lunar tides and instrument drift. A density of 2.67 g/cm^3 was used for computing the Bouguer values. A computer print-out is received listing all the principal facts for each station. In addition to the print-out, data for each station are punched on individual output cards. These punched cards are utilized by subsequent computer programs to grid and contour the reduced data. The U. S. Army Topographic Command also reduced all of the field data utilizing their gravity reduction program GRASS. Cross checks of the two sets of com-

pleted computations were made. Principal facts for each station within the individual contour sheet are listed in the appendices.

The base maps for Sheets 4 and 5 were prepared from 1° by 2° topographic quadrangles, 1:250,000 Army Map Service Series. Photographic techniques were then used to fit this base into the coordinates of the computer-derived map. This technique was necessary because the topographic map has a Transverse Mercator projection and the computer-drawn coordinates has a Polyconic projection with a scale of exactly four miles to the inch. Therefore, the county and state boundaries shown on the contour maps are a "best fit" and should not be used for other location purposes. The points (+) depicted on Sheets 4 and 5 show locations of all field observations for each individual sheet. For purposes of contouring, field data were plotted and utilized from 7.5-minute quadrangle series, scale 1:24,000 adjacent to each contour map. With this procedure each contour map shared common overlapping peripheral points on adjacent boundaries. The survey was extended for approximately three miles into adjacent states where a total of 88 peripheral stations are in North Carolina and West Virginia.

OBSERVATIONS

A negative anomaly is located along the Virginia-West Virginia state line in the western part of Bath, southwestern part of Highland, and northwestern part of Alleghany counties (Sheet 5; Figure 2, profile B-B′). The anomaly contains the lowest gravity value (−89.61 mgal) recorded during the survey and has been attributed largely to a mass deficiency in the deep subsurface rocks. It has been suggested that this low could be related to a cooling, deep, felsic pluton (Dennison and Johnson, 1971). A gravity high over sedimentary rocks of Cambrian and Ordovician ages, trending northeast from an area west of Lexington to Staunton (Sheet 5, Figure 2, profiles A-A′, B-B′), may be related to a "high" in the basement rocks or to the Pulaski and North Mountain faults. This gravity "ridge" would correlate closely with a magnetically high area between Staunton and Waynesboro (a city 12 miles east of Staunton) on the

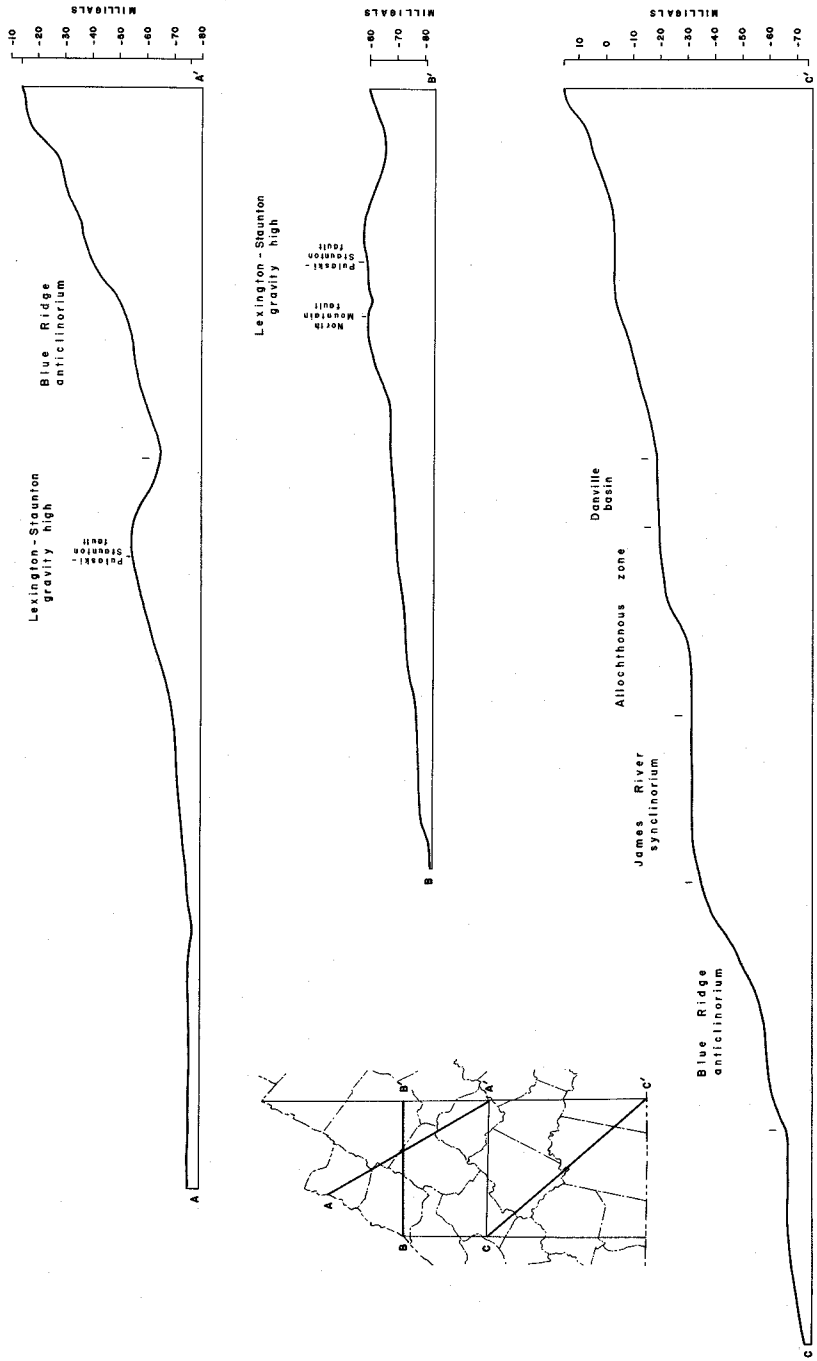

Figure 2. Gravity profiles across Sheets 4 and 5.

aeromagnetic map by Johnson and Watkins (1963) if the magnetic trend continues further to the southwest. Johnson (1957) indicates depth to basement rock at approximately 14,000 to 15,000 feet in the Fishersville magnetic anomaly between Staunton and Waynesboro. The −56 milligal gravity contour indicated at Waynesboro (Johnson, 1971, Sheet 7) would correlate closely with the magnetic "high" at Fishersville.

Correlations are present between regional structures in the southwestern Piedmont and northeast- and southwest-trending gravity contours (Sheet 4; Figure 2, profile C-C′). Northeast-trending contours are present over an allochthonous zone (Conley, Henika, and Algor, 1971), and Triassic rocks of the Danville basin. Gravity values become less negative over these structures to the northeast. The contours south-southeast of Martinsville may indicate the northeastern terminus of the Sauratown uplift. The James River synclinorium has southwest-trending contours that become increasingly negative southwest from Lynchburg. The steepest gradients in the area occur over the Blue Ridge anticlinorium. Figure 3 indicates the relationships between these regional structures and gravity trends.

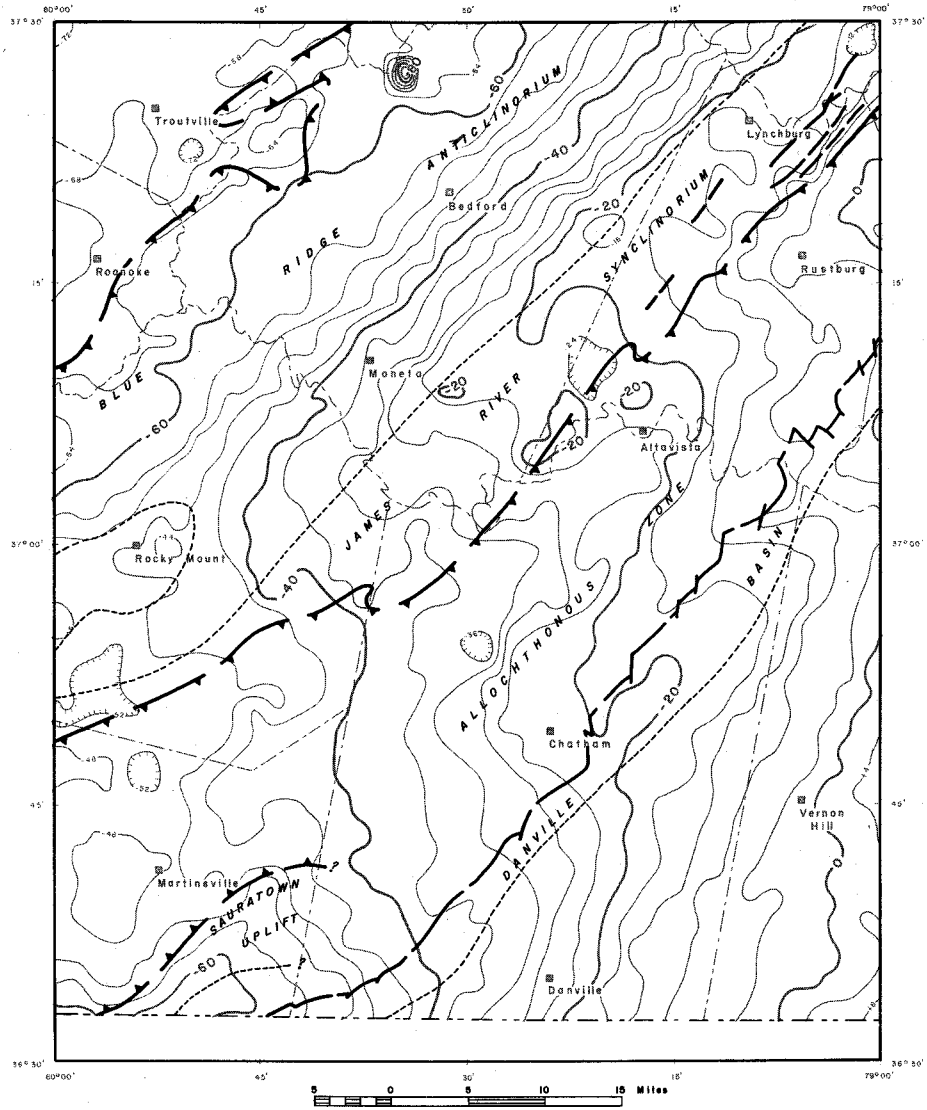

Figure 3. Gravity contours displayed on regional structures. (Map based on data from Geologic map of Virginia, 1963; Reed, 1970; and Conley, Henika, and Algor, 1971.)

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APPENDIX I: PRINCIPAL FACTS FOR POINTS IN SHEET 4

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
14-A-1	36 43.33	-79 0.22	515.52	979866.386	21.93	4.35
14-A-2	36 43.97	-79 3.42	536.00	979865.308	21.87	3.59
14-A-3	36 44.03	-79 6.40	646.18	979855.130	21.96	-0.08
14-A-4	36 42.70	-79 6.87	574.34	979856.593	18.59	-1.00
14-A-5	36 40.58	-79 7.35	559.74	979852.208	15.87	-3.22
14-A-6	36 38.73	-79 5.90	354.76	979863.052	10.10	-2.00
14-A-7	36 38.53	-79 5.35	353.21	979863.270	10.46	-1.59
14-A-8	36 38.30	-79 4.37	419.53	979860.665	14.43	0.12
14-A-9	36 37.68	-79 3.00	538.15	979855.218	21.03	2.67
14-A-10	36 38.05	-79 0.88	488.35	979860.896	21.49	4.84
14-A-11	36 38.68	-79 0.12	443.10	979863.488	18.92	3.81
14-A-12BR1	36 40.32	-79 3.68	346.00	979868.311	12.26	0.46
14-A-13SE1	36 40.78	-79 1.33	447.00	979864.984	17.76	2.51
14-A-14SE2	36 42.10	-79 5.02	474.00	979862.029	15.45	-0.72
14-B-1	36 44.62	-79 9.52	710.99	979846.304	18.38	-5.86
14-B-2	36 44.08	-79 10.65	789.74	979839.396	19.66	-7.28
14-B-3	36 44.82	-79 14.70	657.43	979842.005	8.76	-13.66
14-B-4	36 40.37	-79 9.50	561.81	979852.395	16.57	-2.59
14-B-5	36 40.88	-79 11.05	598.42	979848.418	15.29	-5.12
14-B-6	36 40.72	-79 12.80	640.11	979842.861	13.90	-7.94
14-B-7BR1	36 37.90	-79 10.60	374.00	979858.597	8.66	-4.10
14-B-8SE1	36 39.07	-79 8.85	548.00	979849.420	14.17	-4.52
14-B-9BR2	36 41.57	-79 7.55	379.00	979865.795	11.05	-1.88
14-B-10SE2	36 42.75	-79 10.32	648.00	979847.080	15.93	-6.17
14-B-11SE3	36 43.02	-79 13.03	713.00	979839.222	13.80	-10.52
14-B-12BR3	36 39.17	-79 12.87	426.00	979856.349	9.48	-5.05
14-C-1	36 30.50	-79 8.52	594.65	979843.025	24.48	4.20
14-C-2	36 32.33	-79 12.53	474.68	979842.856	10.39	-5.80
14-C-3	36 30.15	-79 14.45	566.16	979834.811	14.09	-5.22
14-C-4	36 34.87	-79 11.63	434.55	979849.869	9.99	-4.84
14-C-5	36 35.80	-79 11.60	501.60	979847.474	12.56	-4.55
14-C-6	36 34.88	-79 12.50	467.61	979846.470	9.67	-6.28
14-C-7	36 34.83	-79 13.50	374.32	979851.475	5.97	-6.79
14-C-8SE1A	36 33.47	-79 14.80	553.00	979838.702	11.97	-6.89
14-C-9	36 34.85	-79 14.58	494.66	979843.219	9.01	-7.86
14-C-10	36 34.83	-79 10.70	443.02	979849.984	10.95	-4.16
14-C-11SE1	36 36.42	-79 13.70	524.00	979844.066	10.37	-7.50
14-C-12SE2	36 32.17	-79 8.85	560.00	979842.979	18.78	-0.32
14-C-13SE3	36 31.98	-79 10.73	536.00	979841.004	14.81	-3.47
14-D-1	36 34.88	-79 3.30	571.09	979847.642	20.58	1.10
14-D-2	36 34.05	-79 3.95	575.44	979847.442	21.99	2.36
14-D-3	36 32.58	-79 3.92	596.79	979847.054	25.72	5.36
14-D-4	36 30.53	-79 1.22	486.33	979859.033	30.25	13.66
14-D-5	36 31.78	-79 6.63	592.43	979844.741	24.14	3.94
14-D-6	36 35.57	-79 4.97	433.78	979855.222	14.36	-0.43
14-D-7	36 37.28	-79 2.62	537.25	979854.405	20.71	2.38
14-D-8	36 35.97	-79 4.45	524.63	979850.197	17.20	-0.69
14-D-9	36 35.10	-79 6.37	377.99	979857.386	11.85	-1.04
14-D-10	36 35.10	-79 5.68	490.82	979851.111	16.19	-0.55
14-D-11BR1	36 36.67	-79 1.48	410.00	979861.751	16.97	2.99
14-D-12SE1	36 32.10	-79 1.45	511.00	979854.908	26.19	8.77
15-A-1	36 41.87	-79 20.37	730.62	979825.492	3.38	-21.54
15-A-2	36 43.05	-79 18.52	717.88	979831.002	5.99	-18.49
15-A-3	36 43.40	-79 16.38	711.63	979834.726	8.62	-15.65
15-A-4	36 43.60	-79 15.00	703.57	979837.235	10.09	-13.91
15-A-5	36 42.35	-79 17.83	546.39	979841.529	1.40	-17.24
15-A-6	36 41.42	-79 18.33	774.76	979824.965	7.66	-18.77
15-A-7	36 37.92	-79 21.55	617.00	979825.716	-1.39	-22.44
15-A-8	36 39.98	-79 16.42	735.49	979829.914	10.98	-14.11

* Denotes elevation in meters

BR Denotes bridge elevation

SE Denotes checked spot elevation

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
15-A-9	36 38.40	-79 15.22	587.41	979841.728	11.14	-8.89
15-A-10	36 37.88	-79 19.13	708.13	979827.047	8.56	-15.59
15-B-1	36 43.12	-79 22.83	786.10	979819.676	0.99	-25.82
15-B-2	36 41.57	-79 26.20	712.95	979816.122	-7.22	-31.53
15-B-3	36 42.77	-79 26.47	757.97	979815.672	-5.16	-31.01
15-B-4	36 44.73	-79 27.68	825.73	979816.621	-0.67	-28.83
15-B-5	36 43.05	-79 28.93	837.59	979811.524	-2.23	-30.79
15-B-6	36 40.73	-79 25.20	689.84	979818.518	-5.79	-29.32
15-B-7	36 39.85	-79 27.68	566.06	979819.906	-14.78	-34.08
15-B-8	36 38.87	-79 29.97	924.00	979795.140	-4.46	-35.97
15-B-9SE1	36 38.35	-79 29.27	690.00	979808.811	-12.05	-35.59
15-B-10SE2	36 38.23	-79 28.40	659.00	979809.815	-13.80	-36.28
15-B-11	36 37.75	-79 27.75	609.79	979813.829	-13.72	-34.52
15-B-12SE3	36 37.95	-79 22.77	639.00	979822.570	-2.52	-24.31
15-C-1	36 35.20	-79 23.70	*152.86	979826.054	-8.01	-25.11
15-C-2	36 37.32	-79 24.28	629.94	979819.126	-5.90	-27.39
15-C-3	36 35.65	-79 29.80	548.28	979812.674	-17.64	-36.34
15-C-4	36 35.87	-79 28.78	521.61	979816.820	-16.71	-34.50
15-C-5	36 35.70	-79 23.75	423.10	979830.506	-11.65	-26.08
15-C-6	36 35.50	-79 22.60	432.77	979832.853	-8.11	-22.87
15-C-7	36 36.67	-79 23.10	641.00	979820.801	-2.25	-24.11
15-C-8	36 32.48	-79 27.60	665.13	979807.602	-7.16	-29.88
15-C-9SE1	36 32.82	-79 28.23	630.00	979809.172	-9.38	-30.87
15-C-10SE2	36 30.80	-79 28.18	743.00	979803.011	-2.01	-27.35
15-C-11SE3	36 30.03	-79 28.60	746.00	979802.097	-1.54	-26.99
15-C-12SE4	36 30.87	-79 25.27	626.00	979815.065	-1.06	-22.41
15-C-13SE5	36 30.83	-79 22.88	402.00	979832.841	-4.30	-18.02
15-D-1	36 30.38	-79 22.17	571.65	979823.575	3.03	-16.46
15-D-2	36 30.47	-79 17.78	386.52	979842.824	4.75	-8.43
15-D-3	36 33.40	-79 19.17	656.14	979825.098	8.17	-14.21
15-D-4	36 32.37	-79 18.02	559.97	979832.875	8.38	-10.71
15-D-5	36 32.45	-79 15.08	525.13	979838.935	11.05	-6.86
15-D-6	36 36.07	-79 20.22	548.12	979833.134	2.21	-16.49
15-D-7	36 36.45	-79 17.75	560.21	979839.916	9.58	-9.53
15-D-8SE1	36 35.53	-79 16.17	567.00	979837.925	9.54	-9.80
15-D-9	36 36.65	-79 16.27	508.00	979844.170	8.63	-8.70
15-D-10SE2	36 35.73	-79 21.90	405.00	979836.447	-7.46	-21.28
15-D-11	36 34.48	-79 20.17	562.63	979831.241	3.96	-15.23
15-D-12SE3	36 32.87	-79 21.92	464.00	979832.491	-1.75	-17.57
15-D-13SE4	36 30.17	-79 16.27	539.00	979834.937	11.64	-6.75
15-D-14SE5	36 33.37	-79 17.50	543.00	979835.782	8.26	-10.26
16-A-1	36 43.95	-79 32.20	832.89	979809.160	-6.33	-34.74
16-A-2	36 44.92	-79 35.25	889.85	979804.092	-7.43	-37.78
16-A-3	36 43.68	-79 35.22	876.44	979803.862	-7.15	-37.04
16-A-4	36 44.37	-79 36.88	692.88	979815.020	-14.24	-37.87
16-A-5	36 38.92	-79 30.75	835.29	979800.491	-7.52	-36.01
16-A-6	36 39.52	-79 31.83	709.29	979811.403	-9.33	-33.52
16-A-7	36 40.95	-79 34.07	847.57	979802.392	-7.39	-36.30
16-A-8	36 42.12	-79 34.38	842.37	979803.760	-8.20	-36.93
16-A-9	36 40.25	-79 37.03	808.38	979800.303	-12.16	-39.73
16-A-10	36 39.12	-79 37.22	808.95	979797.365	-13.42	-41.01
16-A-11SE1	36 39.98	-79 33.50	821.00	979804.346	-6.55	-34.55
16-A-12SE2	36 38.07	-79 33.20	612.00	979812.313	-15.48	-36.36
16-A-13SE3	36 37.58	-79 32.53	627.00	979808.932	-16.76	-38.14
16-A-14SE4	36 38.17	-79 35.87	828.00	979795.249	-12.37	-40.61
16-B-1	36 40.10	-79 44.27	993.63	979777.116	-17.71	-51.60
16-B-2	36 39.50	-79 42.72	1022.54	979778.463	-12.78	-47.65
16-B-3	36 38.70	-79 41.50	914.43	979783.743	-16.52	-47.70
16-B-4	36 40.92	-79 42.75	946.85	979787.686	-12.72	-45.01
16-B-5	36 43.33	-79 42.22	1036.03	979785.682	-9.81	-45.15
16-B-6	36 44.95	-79 41.43	1060.85	979787.838	-7.65	-43.83
16-B-7	36 44.12	-79 44.85	975.63	979790.678	-11.62	-44.90
16-B-8	36 37.58	-79 38.35	850.18	979790.397	-14.30	-43.30
16-B-9	36 38.70	-79 39.88	1048.07	979778.666	-9.02	-44.77
16-B-10	36 41.70	-79 38.13	974.75	979793.446	-5.46	-38.70
16-B-11	36 43.40	-79 39.08	908.41	979796.954	-10.64	-41.62
16-B-12	36 44.42	-79 37.58	862.40	979803.613	-9.77	-39.19

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
16-B-13SE1	36 41.12	-79 40.85	890.00	979793.841	-12.19	-42.55
16-B-14SE2	36 40.38	-79 38.67	710.00	979803.542	-18.37	-42.59
16-C-1	36 35.78	-79 42.33	807.17	979780.454	-25.70	-53.23
16-C-2	36 33.47	-79 43.63	727.47	979776.505	-33.81	-58.62
16-C-3	36 33.37	-79 40.80	598.77	979787.820	-34.46	-54.88
16-C-4	36 33.53	-79 44.80	582.06	979785.097	-38.99	-58.85
16-C-5SE1	36 37.23	-79 38.38	938.00	979784.261	-11.67	-43.66
16-C-6SE2	36 33.60	-79 39.65	663.00	979786.163	-30.41	-53.02
16-C-7SE3	36 34.83	-79 41.03	767.00	979782.260	-26.30	-52.46
16-C-8SE4	36 33.33	-79 41.68	642.00	979784.298	-33.87	-55.76
16-C-9SE5	36 31.68	-79 41.50	570.00	979787.704	-34.86	-54.30
16-C-10SE6	36 32.07	-79 38.60	507.00	979796.285	-32.76	-50.05
16-C-11SE7	36 30.25	-79 40.93	560.00	979788.110	-33.34	-52.44
16-C-12SE8	36 30.15	-79 44.18	616.00	979781.173	-34.86	-55.87
16-C-13SE9	36 32.03	-79 43.80	696.00	979776.530	-34.69	-58.42
16-C-14SE10	36 36.17	-79 40.85	870.00	979781.582	-19.21	-48.89
16-C-15SE11	36 37.00	-79 44.02	924.00	979776.179	-20.73	-52.25
16-D-1	36 37.33	-79 36.85	864.73	979789.212	-13.76	-43.25
16-D-2	36 37.23	-79 36.28	887.87	979788.042	-12.61	-42.89
16-D-3	36 34.95	-79 36.98	724.01	979792.019	-20.76	-45.45
16-D-4	36 36.55	-79 33.37	772.50	979797.581	-12.94	-39.28
16-D-5	36 36.73	-79 30.70	646.34	979806.497	-16.15	-38.19
16-D-6	36 36.42	-79 32.67	772.26	979797.236	-13.11	-39.45
16-D-7SE1	36 36.75	-79 35.20	832.00	979792.675	-12.53	-40.91
16-D-8SE2	36 35.30	-79 35.38	700.00	979797.739	-17.80	-41.67
16-D-9SE3	36 34.83	-79 32.90	713.00	979797.681	-15.96	-40.28
16-D-10	36 35.03	-79 30.47	622.64	979806.162	-16.27	-37.50
16-D-11SE4	36 33.15	-79 30.33	604.00	979808.009	-13.47	-34.07
16-D-12SE5	36 33.23	-79 35.93	570.00	979798.339	-26.45	-45.90
16-D-13SE6	36 30.67	-79 37.30	672.00	979789.025	-22.48	-45.40
16-D-14SE7	36 30.70	-79 35.18	675.00	979792.079	-19.20	-42.22
16-D-15SE8	36 31.02	-79 33.05	656.00	979798.022	-15.50	-37.87
16-D-16BR1	36 30.88	-79 31.05	478.00	979813.966	-16.10	-32.41
17-A-1 BASE	36 41.45	-79 52.42	1014.24	979781.638	-13.19	-47.78
17-A-2	36 41.20	-79 49.80	896.52	979788.354	-17.19	-47.77
17-A-3	36 40.82	-79 47.22	690.20	979800.151	-24.25	-47.79
17-A-4	36 37.87	-79 52.20	831.08	979783.322	-23.58	-51.93
17-A-5	36 44.10	-79 47.20	843.98	979799.208	-15.45	-44.24
17-A-6SE1	36 44.33	-79 50.88	1037.00	979784.009	-12.83	-48.20
17-A-7SE2	36 42.83	-79 49.22	1075.00	979780.951	-10.16	-46.82
17-A-8SE3	36 43.43	-79 47.23	722.00	979806.295	-18.88	-43.50
17-A-9SE4	36 44.08	-79 45.58	909.00	979796.828	-11.69	-42.70
17-A-10SE5	36 41.77	-79 45.52	711.00	979800.059	-23.75	-48.00
17-A-11SE6	36 40.10	-79 45.42	922.00	979780.131	-21.43	-52.88
17-A-12SE7	36 39.52	-79 47.60	788.00	979789.501	-23.83	-50.70
17-A-13SE8	36 39.30	-79 49.43	809.00	979788.323	-22.72	-50.31
17-A-14SE9	36 37.67	-79 46.75	745.00	979783.927	-30.78	-56.19
17-A-15	36 37.67	-79 45.35	938.00	979774.899	-21.66	-53.65
17-A-16SE10	36 38.37	-79 50.48	785.00	979786.897	-25.06	-51.83
17-B-1	36 41.37	-79 54.57	722.00	979800.631	-21.60	-46.23
17-B-2	36 37.73	-79 55.78	1100.99	979773.270	-8.05	-45.60
17-B-3	36 41.92	-79 56.00	738.83	979800.642	-20.76	-45.96
17-B-4	36 41.73	-79 57.53	813.57	979796.313	-17.80	-45.55
17-B-5	36 43.08	-79 52.88	749.82	979797.787	-24.27	-49.84
17-B-6SE1	36 44.47	-79 53.58	930.00	979789.091	-18.01	-49.73
17-B-7SE2	36 44.32	-79 55.73	792.00	979798.274	-21.59	-48.60
17-B-8SE3	36 44.87	-79 58.53	765.00	979799.482	-23.71	-49.80
17-B-9SE4	36 42.68	-79 59.92	1020.00	979780.684	-15.38	-50.17
17-B-10SE5	36 42.82	-79 58.27	982.00	979785.022	-14.81	-48.30
17-B-11SE6	36 40.37	-79 59.77	1050.00	979775.766	-14.14	-49.95
17-B-12SE7	36 39.60	-79 57.33	1012.00	979781.732	-10.65	-45.16
17-B-13SE8	36 37.77	-79 58.83	953.00	979779.519	-15.77	-48.27
17-B-14SE9	36 37.88	-79 52.80	811.00	979785.140	-23.67	-51.33
17-B-15SE10	36 38.42	-79 54.37	1091.00	979772.638	-10.60	-47.82
17-B-16SE11	36 40.47	-79 56.07	919.00	979788.524	-13.85	-45.19
17-C-1	36 32.35	-79 54.88	1022.08	979755.617	-25.38	-60.24
17-C-2	36 30.42	-79 52.72	808.53	979762.134	-36.17	-63.75

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
17-C-3	36 32.55	-79 56.00	1021.46	979757.746	-23.60	-58.44
17-C-4	36 31.78	-79 57.57	982.18	979754.048	-29.89	-63.39
17-C-5	36 32.12	-79 59.48	707.52	979767.826	-42.43	-66.56
17-C-6	36 33.85	-79 56.68	1030.83	979764.028	-18.31	-53.46
17-C-7	36 35.65	-79 56.95	1071.98	979767.976	-13.08	-49.64
17-C-8	36 35.68	-79 59.95	878.97	979776.935	-22.32	-52.30
17-C-9	36 37.33	-79 59.85	824.01	979786.230	-20.57	-48.67
17-C-10	36 36.60	-79 53.58	894.16	979777.938	-21.21	-51.70
17-C-11	36 37.17	-79 54.58	1150.98	979766.419	-9.38	-48.64
17-C-12	36 30.68	-79 54.93	1014.72	979748.976	-30.32	-64.93
17-C-13BR1	36 34.07	-79 59.17	759.00	979776.617	-31.60	-57.48
17-C-14BR2	36 34.83	-79 55.62	842.00	979779.499	-22.01	-50.73
17-C-15BR3	36 34.70	-79 53.63	729.00	979784.063	-27.88	-52.75
17-D-1	36 35.35	-79 45.43	777.53	979776.763	-31.55	-58.07
17-D-2	36 33.65	-79 46.35	775.76	979772.464	-33.57	-60.03
17-D-3	36 32.10	-79 46.57	714.04	979774.999	-34.62	-58.97
17-D-4	36 31.67	-79 47.57	769.71	979770.830	-32.93	-59.18
17-D-5	36 31.93	-79 48.15	797.06	979769.766	-31.80	-58.99
17-D-6	36 30.73	-79 51.28	837.84	979762.495	-33.51	-62.09
17-D-7BR1	36 36.82	-79 51.05	687.00	979788.267	-30.68	-54.11
17-D-8SE1	36 34.93	-79 50.12	967.00	979762.682	-27.21	-60.20
17-D-9SE2	36 34.17	-79 48.20	875.00	979766.279	-31.17	-61.01
17-D-10SE3	36 36.03	-79 48.40	859.00	979770.709	-30.93	-60.23
17-D-11BR2	36 36.15	-79 46.63	611.00	979789.820	-35.31	-56.15
46-A-1	36 52.67	-79 0.92	576.10	979872.301	20.09	0.44
46-A-2	36 54.32	-79 1.05	616.01	979870.212	19.38	-1.63
46-A-3	36 56.08	-79 0.80	679.40	979868.528	21.11	-2.07
46-A-4	36 52.68	-79 3.33	397.32	979878.489	9.44	-4.11
46-A-5	36 53.90	-79 3.95	569.51	979868.575	13.97	-5.46
46-A-6	36 54.25	-79 5.20	560.81	979868.205	12.27	-6.86
46-A-7	36 53.30	-79 6.37	544.76	979867.251	11.18	-7.40
46-A-8	36 55.58	-79 5.80	595.18	979866.949	12.33	-7.97
46-A-9	36 56.72	-79 2.65	645.84	979868.415	16.92	-5.11
46-A-10	36 59.13	-79 0.25	592.39	979876.748	16.74	-3.47
46-A-11	36 59.40	-79 3.47	634.51	979871.004	14.57	-7.07
46-A-12	36 58.68	-79 5.93	638.23	979864.724	9.67	-12.09
46-A-13	36 56.40	-79 7.32	627.64	979859.372	6.62	-14.78
46-A-14	36 57.67	-79 4.80	670.94	979864.066	13.56	-9.32
46-A-15	36 59.98	-79 5.88	644.00	979868.209	11.82	-10.14
46-A-16	36 59.95	-79 1.58	633.98	979873.316	16.04	-5.59
46-B-1	36 56.10	-79 13.37	534.50	979861.819	0.74	-17.49
46-B-2	36 53.45	-79 8.65	616.69	979855.788	6.27	-14.77
46-B-3	36 53.02	-79 10.73	663.37	979850.064	5.56	-17.07
46-B-4	36 53.98	-79 14.67	558.36	979856.245	0.47	-18.58
46-B-5SE1	36 56.37	-79 11.62	652.00	979853.987	3.58	-18.66
46-B-6	36 57.57	-79 14.62	716.31	979856.046	9.95	-14.48
46-B-7SE2	36 59.32	-79 14.62	689.00	979862.311	11.12	-12.38
46-B-8SE3	36 58.67	-79 11.03	670.00	979860.037	8.00	-14.85
46-B-9SE4	36 58.68	-79 9.42	684.00	979861.103	10.36	-12.97
46-B-10SE5	36 56.60	-79 8.87	469.00	979868.095	0.14	-15.86
46-B-11SE6	36 54.63	-79 10.77	429.00	979865.271	-3.61	-18.24
46-B-12	36 52.60	-79 13.95	495.00	979857.317	-2.42	-19.31
46-C-1	36 52.10	-79 11.57	669.55	979847.459	4.86	-17.98
46-C-2	36 51.68	-79 12.25	672.12	979846.165	4.41	-18.52
46-C-3	36 45.35	-79 13.42	650.05	979844.624	9.92	-12.25
46-C-4	36 45.47	-79 11.90	559.36	979851.876	8.47	-10.60
46-C-5	36 48.78	-79 13.17	656.83	979847.247	8.23	-14.17
46-C-6	36 50.03	-79 13.92	706.10	979841.664	5.48	-18.60
46-C-7	36 49.12	-79 11.10	638.45	979852.980	11.76	-10.02
46-C-8	36 48.38	-79 8.67	637.27	979853.430	13.15	-8.58
46-C-9SE1	36 49.98	-79 8.97	643.00	979855.007	12.96	-8.97
46-C-10SE2	36 51.73	-79 9.08	604.00	979857.774	9.54	-11.06
46-C-11SE3	36 50.58	-79 10.93	614.00	979852.838	7.20	-13.74
46-C-12SE4	36 51.97	-79 13.75	513.00	979855.919	-1.21	-18.71
46-C-13	36 49.92	-79 14.23	693.60	979842.188	5.00	-18.66
46-C-14SE5	36 46.88	-79 11.38	620.00	979851.608	11.87	-9.28
46-C-15SE6	36 45.25	-79 8.66	635.00	979852.391	16.42	-5.24

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
46-D-1	36 45.12	-79 0.22	553.96	979867.074	23.67	4.77
46-D-2	36 47.17	-79 0.22	424.79	979879.139	20.62	6.14
46-D-3	36 45.15	-78 50.43	596.49	979870.660	31.21	10.86
46-D-4	36 48.35	-79 1.42	569.67	979869.586	23.00	3.57
46-D-5	36 47.77	-79 2.95	587.85	979864.469	20.43	0.38
46-D-6	36 45.00	-79 4.18	638.78	979859.935	24.67	2.89
46-D-7	36 46.68	-79 7.07	604.67	979856.404	15.51	-5.11
46-D-8	36 50.10	-79 4.77	569.78	979863.343	14.24	-5.19
46-D-9	36 49.33	-79 3.78	381.26	979877.181	11.45	-1.55
46-D-10	36 50.17	-79 1.90	452.68	979876.080	15.87	0.43
46-D-11	36 51.93	-79 6.58	572.59	979863.941	12.46	-7.07
46-D-12BR1	36 51.13	-79 3.45	385.00	979877.715	9.74	-3.39
46-D-13BR2	36 48.07	-79 6.12	400.00	979870.323	8.18	-5.46
46-D-14BR3	36 46.70	-79 4.22	443.00	979870.920	14.80	-0.31
46-D-15SE1	36 45.33	-79 2.22	588.00	979864.589	24.07	4.02
47-A-1	36 56.82	-79 21.80	868.15	979835.932	5.20	-24.41
47-A-2	36 57.23	-79 21.58	843.51	979837.491	3.85	-24.92
47-A-3	36 55.98	-79 20.17	780.86	979844.574	6.84	-19.79
47-A-4	36 56.18	-79 18.70	643.80	979855.639	4.72	-17.23
47-A-5	36 56.17	-79 16.25	703.55	979853.450	8.18	-15.82
47-A-6	36 58.68	-79 18.20	860.60	979845.800	11.67	-17.69
47-A-7	36 59.75	-79 20.12	966.97	979835.452	9.78	-23.20
47-A-8	36 53.15	-79 18.38	670.61	979847.934	3.92	-18.96
47-A-9	36 55.35	-79 16.72	625.10	979855.053	3.58	-17.74
47-A-10SE1	36 52.68	-79 22.17	822.00	979837.618	8.52	-19.52
47-A-11SE2	36 55.23	-79 21.10	791.00	979842.609	6.91	-20.07
47-A-12SE3	36 54.97	-79 19.58	740.00	979846.566	6.45	-18.78
47-A-13SE4	36 54.07	-79 17.73	681.00	979849.026	4.67	-18.56
47-A-14SE5	36 59.53	-79 15.93	813.00	979853.725	13.89	-13.84
47-A-15SE6	36 58.22	-79 20.53	888.00	979836.524	5.64	-24.64
47-A-16SE7	36 59.22	-79 22.22	1017.00	979831.531	11.34	-23.35
47-B-1	36 53.43	-79 24.40	887.13	979833.788	9.73	-20.53
47-B-2	36 53.57	-79 26.37	823.97	979835.453	5.26	-22.84
47-B-3	36 54.93	-79 27.02	918.65	979828.630	5.37	-25.96
47-B-4	36 55.83	-79 26.13	972.90	979825.136	5.68	-27.50
47-B-5	36 56.88	-79 26.87	745.53	979835.978	-6.38	-31.81
47-B-6SE1	36 52.75	-79 22.70	789.00	979838.381	6.08	-20.83
47-B-7SE2	36 54.57	-79 24.92	848.00	979836.174	6.80	-22.12
47-B-8SE3	36 57.23	-79 23.97	979.00	979825.576	4.67	-28.72
47-B-9SE4	36 58.58	-79 24.72	923.00	979829.888	1.77	-29.71
47-B-10SE5	36 59.02	-79 25.98	929.00	979827.122	-1.06	-32.74
47-B-11SE6	36 53.53	-79 29.28	844.00	979819.444	-8.82	-37.60
47-B-12SE7	36 55.38	-79 29.18	890.00	979821.580	-5.02	-35.38
47-B-13SE8	36 56.70	-79 28.15	877.00	979824.890	-4.84	-34.75
47-B-14SE9	36 58.13	-79 29.20	709.00	979836.291	-11.31	-35.49
47-C-1 BASE	36 49.28	-79 23.13	704.03	979838.757	3.46	-20.55
47-C-2	36 49.30	-79 24.18	651.94	979840.725	0.51	-21.73
47-C-3	36 49.95	-79 25.98	823.50	979830.799	5.78	-22.31
47-C-4	36 48.15	-79 27.53	799.04	979826.181	1.46	-25.80
47-C-5	36 46.03	-79 27.82	689.73	979826.431	-5.53	-29.05
47-C-6	36 49.97	-79 22.62	759.98	979836.279	5.26	-20.66
47-C-7	36 50.97	-79 23.77	842.76	979831.875	7.20	-21.54
47-C-8	36 45.28	-79 24.00	627.58	979833.701	-3.02	-24.42
47-C-9SE1	36 52.08	-79 25.00	649.00	979833.995	8.30	-20.66
47-C-10SE2	36 51.28	-79 26.88	809.00	979834.081	5.78	-21.82
47-C-11SE3	36 51.58	-79 28.72	870.00	979825.984	2.98	-26.69
47-C-12SE4	36 49.57	-79 27.50	848.00	979828.116	5.95	-22.97
47-C-13SE5	36 47.40	-79 25.48	802.00	979827.182	3.82	-23.54
47-C-14SE6	36 47.73	-79 29.65	823.00	979820.401	-1.47	-29.54
47-D-1	36 45.88	-79 21.85	843.95	979822.757	5.52	-23.26
47-D-2	36 49.02	-79 20.98	599.80	979845.141	0.43	-20.03
47-D-3	36 49.66	-79 18.83	573.48	979846.312	-1.84	-21.40
47-D-4	36 51.92	-79 20.12	735.27	979842.240	6.08	-19.00
47-D-5	36 50.50	-79 21.07	726.65	979840.116	5.19	-19.59
47-D-6	36 49.62	-79 16.73	682.94	979841.216	3.46	-19.84
47-D-7	36 48.76	-79 15.82	713.90	979839.056	5.41	-18.94
47-D-8	36 45.07	-79 19.95	732.77	979830.222	3.71	-21.28

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
47-D-9SE1	36 47.67	-79 22.43	668.60	979839.099	2.74	-20.04
47-D-10SE2	36 47.48	-79 19.60	799.00	979830.251	6.48	-20.77
47-D-11SE3	36 46.18	-79 18.73	692.00	979836.006	4.05	-19.55
47-D-12SE4	36 48.02	-79 17.65	712.00	979838.776	6.06	-18.23
47-D-13SE5	36 47.22	-79 15.77	619.00	979843.005	2.69	-18.42
47-D-14BR1	36 45.07	-79 16.67	506.00	979849.738	1.89	-15.36
47-D-15SE6	36 51.00	-79 18.85	626.00	979846.008	0.90	-20.45
47-D-16SE7	36 52.05	-79 16.20	580.00	979849.522	-1.43	-21.21
48-A-1	36 52.88	-79 30.55	948.15	979816.599	-0.93	-33.27
48-A-2	36 54.42	-79 31.58	881.58	979820.259	-5.74	-35.81
48-A-3	36 54.88	-79 35.68	913.20	979818.414	-5.28	-36.43
48-A-4	36 56.00	-79 35.57	679.17	979831.072	-16.25	-39.42
48-A-5	36 57.46	-79 34.03	926.17	979820.536	-5.70	-37.28
48-A-6	36 59.48	-79 36.28	986.13	979825.131	1.65	-31.98
48-A-7	36 55.43	-79 31.78	770.71	979828.683	-9.21	-35.50
48-A-8SE1	36 54.98	-79 33.27	830.00	979825.072	-6.60	-34.91
48-A-9SE2	36 53.07	-79 37.03	892.00	979814.594	-8.48	-38.90
48-A-10SE3	36 52.72	-79 33.77	970.00	979812.312	-2.92	-36.00
48-A-11SE4	36 57.35	-79 32.17	792.00	979829.128	-9.53	-36.54
48-A-12BR1	36 59.33	-79 30.93	622.00	979845.017	-12.50	-33.71
48-A-13SE5	36 56.67	-79 33.28	935.00	979820.899	-6.21	-38.10
48-A-14SE6	36 58.67	-79 37.15	994.00	979820.235	-1.33	-35.23
48-A-15SE7	36 57.98	-79 35.33	943.00	979818.291	-7.08	-39.24
48-B-1	36 58.57	-79 39.72	1007.67	979818.578	-1.55	-35.92
48-B-2	36 59.28	-79 44.25	1003.89	979816.493	-5.03	-39.27
48-B-3	36 55.67	-79 38.43	878.18	979817.233	-10.89	-40.84
48-B-4	36 55.10	-79 40.53	935.07	979813.736	-8.22	-40.11
48-B-5	36 54.60	-79 42.12	1018.79	979806.209	-7.15	-41.90
48-B-6	36 52.97	-79 42.90	793.34	979813.219	-18.99	-46.05
48-B-6SE1	36 52.90	-79 38.77	905.00	979810.805	-10.80	-41.67
48-B-7BR1	36 56.63	-79 38.30	690.00	979835.181	-12.04	-35.57
48-B-8SE2	36 58.97	-79 37.72	980.00	979821.517	-1.79	-35.22
48-B-9SE3	36 59.68	-79 39.28	879.00	979829.999	-3.85	-33.83
48-B-10SE4	36 59.60	-79 42.83	1021.00	979816.598	-3.77	-38.59
48-B-11SE5	36 57.32	-79 44.77	976.00	979816.188	-5.12	-38.40
48-B-12SE6	36 56.10	-79 42.20	937.00	979811.559	-11.66	-43.62
48-C-1	36 47.22	-79 38.93	932.05	979804.504	-6.36	-38.15
48-C-2	36 46.78	-79 40.62	1008.38	979796.829	-6.23	-40.63
48-C-3	36 47.33	-79 44.28	993.69	979798.255	-6.98	-40.88
48-C-4	36 51.55	-79 40.30	924.66	979806.206	-11.61	-43.14
48-C-5	36 50.72	-79 44.08	959.81	979797.918	-15.39	-48.12
48-C-6BR1	36 49.05	-79 38.17	789.00	979814.678	-12.29	-39.20
48-C-7	36 46.80	-79 42.53	1091.22	979791.960	-3.34	-40.55
48-C-8SE1	36 45.63	-79 40.57	967.00	979797.044	-8.26	-41.24
48-C-9SE2	36 46.00	-79 37.87	906.00	979802.610	-8.96	-39.86
48-C-10BR2	36 50.45	-79 37.77	756.00	979818.602	-13.49	-39.27
48-C-11BR3	36 51.67	-79 37.82	740.00	979820.848	-14.50	-39.74
48-C-12SE3	36 51.27	-79 42.02	924.00	979802.787	-14.68	-46.19
48-C-13BR4	36 52.35	-79 43.50	799.00	979810.869	-19.92	-47.17
48-D-1	36 49.70	-79 31.93	930.38	979814.675	0.07	-31.66
48-D-2	36 51.40	-79 30.92	972.40	979814.868	1.76	-31.40
48-D-3	36 48.90	-79 31.90	918.21	979814.182	-0.41	-31.73
48-D-4	36 46.27	-79 32.12	762.50	979816.956	-8.49	-34.50
48-D-5	36 46.72	-79 35.27	909.81	979804.526	-7.71	-38.74
48-D-6	36 48.60	-79 36.20	1010.97	979802.704	-2.73	-37.22
48-D-7SE1	36 51.97	-79 32.53	861.00	979817.980	-6.42	-35.79
48-D-8SE2	36 51.83	-79 35.27	1076.00	979802.810	-1.18	-37.87
48-D-9SE3	36 49.35	-79 34.47	994.00	979807.327	-0.79	-34.69
48-D-10SE4	36 48.00	-79 33.05	870.00	979813.774	-4.06	-33.73
49-A-1	36 54.65	-79 50.57	1057.41	979798.586	-11.21	-47.28
49-A-2	36 55.33	-79 48.25	1097.02	979796.860	-10.20	-47.61
49-A-3	36 56.07	-79 46.52	966.35	979808.633	-11.77	-44.73
49-A-4	36 55.52	-79 52.00	1158.68	979794.162	-7.36	-46.88
49-A-5	36 57.80	-79 52.43	1244.90	979791.016	-5.69	-48.15
49-A-6BR1	36 52.55	-79 51.77	971.00	979798.543	-16.35	-49.47
49-A-7BR2	36 54.25	-79 52.00	991.00	979802.648	-12.82	-46.62
49-A-8SE1	36 59.35	-79 45.72	1064.00	979812.961	-3.00	-39.29

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
49-A-9SE2	36 57.35	-79 47.52	963.00	979810.011	-12.56	-45.41
49-A-10SE3	36 58.20	-79 49.30	909.00	979815.001	-13.88	-44.88
49-A-11BR3	36 59.78	-79 51.62	952.00	979816.353	-10.77	-43.24
49-A-12SE4	36 56.47	-79 51.17	1182.00	979794.136	-6.56	-46.88
49-A-13BR4	36 54.38	-79 48.08	854.00	979811.884	-16.66	-45.79
49-A-14BR5	36 53.77	-79 49.33	882.00	979806.925	-18.10	-48.18
49-B-1	36 57.13	-79 52.88	1230.32	979790.388	-6.73	-48.69
49-B-2	36 56.52	-79 52.60	1193.46	979792.822	-6.87	-47.58
49-B-3	36 59.07	-79 55.13	1124.80	979801.478	-8.36	-46.72
49-B-4	36 59.90	-79 57.98	1219.79	979792.529	-9.57	-51.18
49-B-5	36 58.23	-79 58.12	1330.40	979784.380	-4.91	-50.29
49-B-6	36 56.88	-79 57.65	1307.95	979784.267	-5.19	-49.80
49-B-7	36 55.67	-79 59.07	1275.96	979787.205	-3.50	-47.02
49-B-8SE1	36 53.75	-79 55.97	1498.00	979766.231	-0.83	-51.92
49-B-9SE2	36 55.40	-79 57.40	1200.00	979786.918	-10.55	-51.48
49-B-10SE3	36 53.80	-79 58.63	1442.00	979771.530	-0.87	-50.05
49-B-11SE4	36 59.22	-79 59.13	1403.00	979780.626	-3.26	-51.11
49-B-12SE5	36 55.50	-79 55.17	1324.00	979781.527	-4.42	-49.58
49-B-13SE6	36 52.83	-79 52.88	1215.00	979785.865	-6.49	-47.93
49-C-1 BASE	36 45.60	-79 53.03	1048.23	979781.559	-16.05	-51.80
49-C-2	36 47.10	-79 53.72	964.52	979787.484	-20.16	-53.06
49-C-3	36 45.92	-79 56.28	830.00	979798.869	-19.72	-48.03
49-C-4	36 46.72	-79 56.82	1053.60	979787.090	-11.62	-47.56
49-C-5	36 45.37	-79 57.50	977.30	979787.048	-16.90	-50.23
49-C-6	36 50.63	-79 56.33	1234.48	979777.003	-10.34	-52.45
49-C-7	36 50.47	-79 55.02	1130.94	979782.963	-13.88	-52.46
49-C-8	36 50.00	-79 52.50	1226.39	979778.109	-9.09	-50.91
49-C-9	36 45.55	-79 59.47	759.70	979802.278	-22.40	-48.31
49-C-10SE1	36 49.48	-79 54.03	1267.00	979774.812	-7.82	-51.03
49-C-11SE2	36 48.93	-79 56.15	1258.00	979774.897	-7.79	-50.69
49-C-12SE3	36 47.73	-79 58.00	1336.00	979770.887	-2.73	-48.30
49-C-13BR1	36 51.42	-79 53.62	1030.00	979792.760	-14.95	-50.08
49-C-14SE4	36 52.08	-79 57.25	1355.00	979770.198	-7.90	-54.12
49-C-15BR2	36 50.98	-79 59.07	955.00	979795.123	-19.02	-51.59
49-C-16SE5	36 49.75	-79 59.52	892.00	979796.443	-21.84	-52.27
49-D-1	36 47.48	-79 50.80	1152.96	979779.019	-11.45	-50.78
49-D-2	36 46.28	-79 49.62	1122.67	979782.865	-8.73	-47.02
49-D-3	36 45.57	-79 48.10	1002.62	979794.318	-7.53	-41.73
49-D-4	36 47.85	-79 50.03	1155.21	979781.211	-9.58	-48.98
49-D-5	36 49.33	-79 51.05	1162.75	979782.134	-10.09	-49.74
49-D-6	36 49.20	-79 48.02	1122.27	979784.333	-11.51	-49.78
49-D-7	36 49.96	-79 45.22	974.69	979800.156	-10.69	-43.93
49-D-8SE1	36 52.45	-79 52.30	1104.00	979790.354	-11.89	-49.54
49-D-9SE2	36 51.75	-79 46.35	1052.00	979794.029	-12.09	-47.97
76-A-1	37 9.78	-79 4.43	777.06	979878.609	20.57	-5.93
76-A-2	37 8.30	-79 5.45	779.55	979875.325	19.67	-6.92
76-A-3	37 12.08	-79 5.20	787.18	979879.223	18.81	-8.04
76-A-4	37 13.45	-79 5.70	859.99	979877.190	21.65	-7.68
76-A-5	37 11.60	-79 3.52	608.06	979889.332	12.77	-7.97
76-A-6	37 12.88	-79 2.30	769.61	979882.536	19.31	-6.94
76-A-7	37 13.12	-79 0.60	565.54	979896.405	13.65	-5.64
76-A-8	37 14.87	-79 0.83	769.26	979888.004	21.88	-4.36
76-A-9	37 14.98	-79 7.25	892.99	979881.748	27.09	-3.37
76-A-10SE1	37 7.80	-79 1.48	596.00	979888.770	16.57	-3.76
76-A-11SE2	37 10.42	-79 1.10	668.00	979887.779	18.57	-4.22
76-B-1	37 12.45	-79 12.12	878.57	979867.063	14.72	-15.25
76-B-2	37 11.08	-79 12.23	879.03	979862.583	12.26	-17.72
76-B-3SE1	37 11.77	-79 14.05	745.00	979872.738	8.82	-16.59
76-B-4SE2	37 14.10	-79 14.23	848.00	979872.055	14.44	-14.48
76-B-5	37 13.15	-79 9.88	815.24	979875.730	16.41	-11.39
76-B-6	37 13.97	-79 8.58	836.43	979875.396	16.89	-11.64
76-B-7	37 10.32	-79 11.32	810.58	979866.981	11.33	-16.32
76-B-8	37 9.17	-79 10.12	780.12	979869.556	12.70	-13.91
76-B-9	37 10.08	-79 8.70	615.15	979882.484	8.79	-12.20
76-B-10	37 11.25	-79 7.90	799.74	979874.224	16.20	-11.08
76-B-11SE3	37 9.27	-79 11.53	789.00	979867.804	11.64	-15.27
76-B-12SE4	37 8.57	-79 14.05	738.00	979863.087	3.14	-22.03

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
76-B-13	37 9.78	-79 13.07	852.57	979860.434	9.50	-19.58
76-C-1	37 1.75	-79 14.85	837.73	979854.850	14.14	-14.44
76-C-2SE1	37 2.43	-79 13.22	734.00	979863.866	12.41	-12.63
76-C-3	37 2.40	-79 10.83	717.73	979869.204	16.26	-8.22
76-C-4	37 3.63	-79 10.58	621.79	979874.735	10.99	-10.22
76-C-5	37 2.87	-79 10.05	703.96	979870.680	15.77	-8.24
76-C-6	37 1.03	-79 8.77	622.40	979873.184	13.25	-7.98
76-C-7	37 1.27	-79 10.57	654.55	979870.831	13.59	-8.74
76-C-8	37 0.33	-79 12.02	691.86	979864.936	12.55	-11.05
76-C-9	37 6.58	-79 14.82	632.43	979867.321	0.31	-21.26
76-C-10	37 7.37	-79 11.53	714.63	979871.284	10.87	-13.50
76-C-11	37 7.30	-79 9.60	762.59	979873.290	17.49	-8.52
76-C-12	37 6.95	-79 8.22	677.23	979878.442	15.11	-7.98
76-C-13	37 5.52	-79 10.58	718.22	979870.398	13.00	-11.50
76-C-14	37 4.50	-79 12.25	513.06	979879.840	4.61	-12.89
76-D-1	37 1.07	-79 3.13	585.40	979875.654	12.19	-7.77
76-D-2	37 2.63	-79 3.73	518.61	979884.526	12.52	-5.17
76-D-3	37 2.28	-79 7.43	627.38	979874.401	13.13	-8.27
76-D-4	37 4.90	-79 5.78	563.08	979882.431	11.33	-7.87
76-D-5	37 6.37	-79 5.32	641.77	979882.195	16.38	-5.51
76-D-6	37 4.37	-79 3.10	543.73	979887.167	15.02	-3.53
76-D-7	37 6.37	-79 0.18	662.32	979887.323	23.44	0.85
76-D-8SE1	37 0.37	-79 0.83	614.00	979875.970	16.21	-4.73
76-D-9SE2	37 0.38	-79 5.73	610.00	979872.448	12.29	-8.52
76-D-10BR1	37 4.20	-79 1.38	446.00	979895.180	14.08	-1.13
76-D-11SE3	37 6.53	-79 3.00	604.00	979884.764	15.15	-5.45
76-D-12BR2	37 7.03	-79 6.92	522.00	979890.275	12.23	-5.58
77-A-1	37 9.27	-79 21.90	815.75	979855.413	1.76	-26.06
77-A-2SE1	37 8.35	-79 20.10	589.00	979873.392	-0.26	-20.35
77-A-3	37 8.77	-79 18.07	728.19	979867.577	6.42	-18.42
77-A-4	37 8.22	-79 17.97	697.80	979867.396	4.17	-19.63
77-A-5SE2	37 9.58	-79 18.55	908.00	979853.649	8.22	-22.75
77-A-6SE3	37 10.87	-79 17.63	665.00	979874.601	4.46	-18.22
77-A-7	37 10.63	-79 21.07	731.73	979862.521	-1.01	-25.97
77-A-8	37 11.82	-79 19.58	624.54	979875.322	-0.00	-21.30
77-A-9	37 12.50	-79 18.22	571.56	979884.492	3.20	-16.30
77-A-10	37 14.50	-79 16.82	765.00	979874.556	8.56	-17.53
77-A-11	37 14.18	-79 17.77	868.47	979867.606	11.80	-17.82
77-A-12	37 14.73	-79 20.97	587.12	979883.089	0.02	-20.00
77-A-13	37 12.98	-79 20.07	812.03	979866.385	7.01	-20.69
77-B-1SE1	37 14.33	-79 28.03	947.00	979857.018	8.38	-23.92
77-B-2	37 13.12	-79 28.73	946.60	979856.300	9.39	-22.90
77-B-3	37 12.60	-79 29.27	942.33	979856.263	9.70	-22.44
77-B-4SE2	37 12.25	-79 25.97	950.00	979858.182	12.84	-19.56
77-B-5	37 13.73	-79 22.87	854.29	979864.678	8.19	-20.95
77-B-6SE3	37 14.83	-79 25.02	847.00	979869.175	10.41	-18.48
77-B-7	37 10.73	-79 25.78	970.57	979850.593	9.38	-23.72
77-B-8SE4	37 9.87	-79 28.17	816.00	979858.508	4.01	-23.82
77-B-9SE5	37 8.77	-79 29.83	898.00	979853.265	8.08	-22.55
77-B-10SE6	37 8.70	-79 25.93	881.00	979854.666	7.97	-22.07
77-B-11	37 8.27	-79 23.12	754.64	979865.792	7.84	-17.90
77-B-12SE7	37 9.30	-79 23.53	738.00	979863.135	2.12	-23.05
77-B-13	37 11.12	-79 23.68	909.80	979854.776	7.30	-23.73
77-C-1SE1	37 7.12	-79 29.17	807.00	979852.647	1.28	-26.24
77-C-2	37 6.42	-79 27.52	954.44	979844.404	7.92	-24.63
77-C-3	37 6.23	-79 25.00	892.48	979852.140	10.10	-20.34
77-C-4	37 6.93	-79 23.25	571.52	979876.731	3.48	-16.01
77-C-5	37 5.02	-79 25.38	778.52	979858.385	7.38	-19.17
77-C-6SE2	37 5.28	-79 22.83	805.00	979854.611	5.71	-21.74
77-C-7	37 1.33	-79 24.72	822.63	979840.777	-0.76	-28.81
77-C-8	37 1.00	-79 23.25	723.86	979848.549	-1.79	-26.48
77-C-9	37 2.00	-79 26.42	853.26	979843.559	3.94	-25.16
77-C-10	37 1.08	-79 26.58	859.74	979837.212	-0.47	-29.79
77-C-11	37 1.77	-79 29.55	860.08	979841.315	2.68	-26.65
77-C-12	37 2.92	-79 29.50	626.12	979855.221	-7.08	-28.44
77-D-1SE1	37 6.77	-79 20.55	748.00	979859.765	3.36	-22.15
77-D-2	37 4.10	-79 21.78	867.70	979844.334	3.04	-26.55

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
77-D-3SE2	37 2.95	-79 19.42	796.00	979849.076	2.70	-24.45
77-D-4	37 6.27	-79 17.78	596.60	979865.372	-4.55	-24.90
77-D-5SE3	37 5.07	-79 19.63	708.00	979855.771	-1.94	-26.09
77-D-6	37 5.05	-79 17.92	725.16	979855.944	-0.13	-24.86
77-D-7	37 3.33	-79 17.63	823.54	979846.968	2.63	-25.46
77-D-8	37 4.23	-79 15.00	825.49	979855.347	9.89	-18.26
77-D-9SE4	37 5.87	-79 16.22	693.00	979859.745	-0.53	-24.17
77-D-10SE5	37 7.20	-79 15.48	683.00	979863.410	0.26	-23.03
77-D-11	37 1.92	-79 17.75	859.57	979845.670	6.77	-22.55
77-D-12	37 0.65	-79 15.80	941.63	979846.428	17.08	-15.04
77-D-13SE6	37 0.17	-79 18.97	1078.00	979830.203	14.38	-22.39
77-D-14SE7	37 0.67	-79 21.88	877.00	979842.061	6.61	-23.31
77-D-15SE8	37 2.40	-79 21.57	719.00	979852.857	0.04	-24.49
78-A-1	37 13.53	-79 33.48	916.36	979846.247	-4.11	-35.37
78-A-2	37 13.90	-79 34.42	718.07	979853.901	-15.64	-40.13
78-A-3	37 14.45	-79 36.15	840.50	979841.890	-16.93	-45.60
78-A-4	37 14.40	-79 37.47	1007.26	979827.955	-15.11	-49.46
78-A-5	37 13.67	-79 32.32	934.79	979847.783	-1.04	-32.92
78-A-6	37 13.67	-79 31.53	947.45	979849.147	1.52	-30.80
78-A-7	37 13.95	-79 30.70	932.11	979850.902	1.42	-30.37
78-A-8	37 12.50	-79 34.92	693.45	979855.805	-14.03	-37.68
78-A-9	37 12.08	-79 35.15	830.32	979847.930	-8.42	-36.74
78-A-10SE1	37 11.47	-79 34.05	817.00	979851.941	-4.77	-32.64
78-A-11	37 8.87	-79 35.57	1053.07	979836.851	6.10	-29.81
78-A-12SE2	37 7.88	-79 35.25	966.00	979845.750	8.24	-24.71
78-A-13	37 6.28	-79 37.15	1023.00	979833.993	1.26	-33.63
78-A-14	37 9.57	-79 36.43	811.32	979850.617	-3.88	-31.55
78-A-15	37 10.07	-79 37.02	847.08	979847.197	-4.66	-33.55
78-A-16	37 10.88	-79 37.05	851.25	979845.830	-6.82	-35.85
78-A-17	37 11.98	-79 30.08	909.70	979855.743	7.00	-24.03
78-A-18	37 11.40	-79 30.35	838.87	979861.412	6.85	-21.76
78-A-19	37 10.63	-79 30.45	794.18	979863.670	6.01	-21.07
78-A-20	37 10.00	-79 31.18	613.60	979872.736	-0.99	-21.92
78-A-21	37 9.30	-79 31.08	813.05	979860.708	6.76	-20.97
78-A-22	37 8.63	-79 31.38	789.88	979862.649	7.48	-19.46
78-A-23	37 8.63	-79 30.05	874.64	979854.485	7.29	-22.54
78-A-24SE3	37 9.57	-79 32.77	836.00	979856.956	4.78	-23.74
78-B-1	37 9.83	-79 38.42	1006.25	979832.932	-3.62	-37.94
78-B-2	37 8.68	-79 40.08	819.28	979841.289	-11.18	-39.13
78-B-3	37 8.43	-79 40.80	911.46	979834.699	-8.74	-39.83
78-B-4	37 7.98	-79 41.58	1009.20	979827.614	-5.98	-40.40
78-B-5	37 7.60	-79 42.33	1015.43	979827.091	-5.36	-40.00
78-B-6SE1	37 9.33	-79 43.95	1030.00	979820.483	-13.11	-48.24
78-B-7BR1	37 11.77	-79 39.42	858.00	979837.939	-15.35	-44.62
78-B-8	37 14.38	-79 39.35	948.64	979828.460	-20.09	-52.45
78-B-9	37 14.50	-79 40.43	1058.12	979819.729	-18.70	-54.79
78-B-10SE2	37 11.52	-79 41.25	1068.00	979821.557	-11.62	-48.05
78-B-11SE3	37 9.35	-79 42.18	873.00	979834.122	-14.26	-44.04
78-B-12BR2	37 12.22	-79 42.65	827.00	979833.035	-23.82	-52.03
78-B-13SE4	37 13.63	-79 42.95	1109.00	979812.899	-19.49	-57.31
78-C-1	37 7.17	-79 43.12	1015.94	979825.384	-6.40	-41.05
78-C-2	37 7.28	-79 44.28	1020.15	979822.918	-8.64	-43.43
78-C-3	37 6.55	-79 42.95	1028.75	979824.158	-5.53	-40.61
78-C-4	37 5.47	-79 41.48	947.31	979834.121	-1.66	-33.97
78-C-5	37 5.22	-79 40.50	1037.32	979830.464	3.51	-31.87
78-C-6	37 4.78	-79 39.73	1010.11	979830.260	1.38	-33.08
78-C-7	37 5.70	-79 38.32	832.11	979841.931	-5.02	-33.40
78-C-8	37 4.25	-79 38.60	889.12	979839.357	-0.14	-30.46
78-C-9	37 3.57	-79 37.53	874.07	979839.697	-0.22	-30.04
78-C-10SE1	37 3.90	-79 42.73	1049.00	979825.176	1.23	-34.55
78-C-11SE2	37 1.13	-79 44.52	1015.00	979821.225	-1.92	-36.54
78-C-12	37 1.10	-79 41.00	954.66	979826.760	-2.02	-34.58
78-C-13SE3	37 1.95	-79 38.85	908.00	979833.044	-1.35	-32.32
78-D-1	37 2.93	-79 36.93	801.88	979844.915	-0.88	-28.23
78-D-2	37 2.10	-79 35.57	831.34	979839.187	-2.63	-30.99
78-D-3SE1	37 0.62	-79 38.32	1939.00	979764.679	29.19	-36.94
78-D-4SE2	37 0.20	-79 32.72	924.00	979829.235	-1.12	-32.64

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
78-D-5SE3	37 1.77	-79 31.28	731.00	979843.314	-7.46	-32.40
78-D-6	37 1.57	-79 30.40	618.06	979852.209	-8.90	-29.98
78-D-7	37 7.45	-79 34.90	861.38	979850.880	4.15	-25.23
78-D-8	37 6.98	-79 34.22	988.54	979841.376	7.28	-26.43
78-D-9SE4	37 5.37	-79 35.28	951.00	979839.240	3.95	-28.48
78-D-10SE5	37 3.27	-79 35.00	857.00	979840.201	-0.89	-30.12
78-D-11	37 6.27	-79 32.83	978.24	979839.309	5.28	-28.08
78-D-12	37 5.18	-79 31.53	936.39	979838.401	2.01	-29.93
78-D-13	37 6.22	-79 31.27	752.14	979853.094	-2.13	-27.78
78-D-14	37 6.85	-79 30.70	710.18	979856.742	-3.34	-27.56
78-D-15	37 7.22	-79 30.22	706.68	979859.790	-1.15	-25.26
78-D-16	37 4.55	-79 32.45	891.41	979838.790	-0.92	-31.33
78-D-17	37 4.92	-79 31.03	1012.74	979835.490	6.66	-27.88
79-A-1	37 10.28	-79 52.22	1158.36	979803.028	-19.87	-59.37
79-A-2	37 11.53	-79 52.33	1211.07	979796.417	-23.33	-64.63
79-A-3	37 12.88	-79 51.15	1070.17	979809.916	-25.04	-61.54
79-A-4SE1	37 7.58	-79 45.80	1044.00	979819.262	-10.48	-46.09
79-A-5	37 8.77	-79 47.17	1158.33	979808.291	-12.41	-51.92
79-A-6SE2	37 9.70	-79 46.72	1045.00	979814.501	-18.21	-53.85
79-A-7	37 11.15	-79 46.90	964.54	979816.998	-25.38	-58.28
79-A-8SE3	37 11.62	-79 49.50	1013.00	979813.827	-24.67	-59.22
79-A-9SE4	37 9.45	-79 50.10	1127.00	979804.264	-20.37	-58.81
79-A-10SE5	37 7.93	-79 52.30	1222.00	979793.467	-20.04	-61.72
79-A-11	37 12.57	-79 47.78	1017.53	979813.954	-25.49	-60.20
79-A-12	37 13.13	-79 49.57	1006.64	979813.169	-28.12	-62.45
79-A-13	37 13.98	-79 51.10	1022.27	979813.615	-27.43	-62.30
79-A-14SE6	37 14.92	-79 49.77	1088.00	979811.523	-24.70	-61.80
79-A-15	37 14.75	-79 45.60	990.07	979819.357	-25.83	-59.60
79-A-16SE7	37 13.65	-79 46.18	956.00	979820.155	-26.65	-59.25
79-B-1	37 14.32	-79 54.45	1158.41	979804.367	-24.36	-63.87
79-B-2SE1	37 12.55	-79 52.95	1257.00	979797.740	-19.16	-62.03
79-B-3SE2	37 13.00	-79 55.02	1095.00	979805.706	-27.08	-64.43
79-B-4SE3	37 12.30	-79 57.55	1209.00	979795.440	-25.61	-66.84
79-B-5SE4	37 10.97	-79 59.53	1075.00	979800.721	-31.00	-67.67
79-B-6SE5	37 9.93	-79 56.63	1039.00	979804.035	-29.58	-65.02
79-B-7SE6	37 10.18	-79 54.73	1673.00	979766.728	-7.61	-64.67
79-B-8SE7	37 9.35	-79 53.35	1152.00	979800.242	-21.90	-61.19
79-B-9SE8	37 7.62	-79 53.40	1179.00	979795.638	-21.46	-61.67
79-B-10SE9	37 8.40	-79 59.25	1260.00	979790.441	-20.17	-63.14
79-B-11SE10	37 8.80	-79 57.98	1248.00	979791.568	-20.75	-63.31
79-C-1	37 2.40	-79 57.57	1252.04	979787.489	-15.19	-57.90
79-C-2	37 5.07	-79 59.37	1209.02	979787.661	-22.92	-64.16
79-C-3	37 3.85	-79 56.12	1196.47	979791.676	-18.33	-59.14
79-C-4	37 6.32	-79 54.75	1130.64	979796.491	-23.27	-61.84
79-C-5SE1	37 6.43	-79 56.72	1217.00	979790.227	-21.58	-63.09
79-C-6SE2	37 4.75	-79 56.90	1210.00	979790.207	-19.83	-61.10
79-C-7SE3	37 2.42	-79 55.57	1223.00	979792.417	-13.02	-54.73
79-C-8SE4	37 0.92	-79 58.12	1094.00	979798.712	-16.69	-54.01
79-C-9SE5	37 0.93	-79 55.08	1214.00	979794.632	-9.51	-50.91
79-C-10SE6	37 5.00	-79 52.60	1142.00	979798.480	-18.31	-57.26
79-D-1	37 1.07	-79 51.45	1165.44	979800.526	-8.38	-48.13
79-D-2	37 0.93	-79 49.58	1138.00	979803.626	-7.66	-46.48
79-D-3	37 1.07	-79 49.25	1150.40	979803.508	-6.81	-46.05
79-D-4	37 0.58	-79 47.20	1213.13	979803.606	-0.11	-41.49
79-D-5	37 2.68	-79 50.67	916.39	979816.742	-17.92	-49.18
79-D-6	37 2.68	-79 46.82	1075.97	979814.719	-4.93	-41.63
79-D-7	37 7.32	-79 52.33	1075.55	979802.688	-23.70	-60.39
79-D-8	37 4.08	-79 49.72	1019.96	979813.547	-13.40	-48.19
79-D-9SE1	37 7.30	-79 49.88	1131.00	979801.416	-19.74	-58.31
79-D-10SE2	37 6.08	-79 51.35	1066.00	979803.982	-21.52	-57.88
79-D-11SE3	37 6.27	-79 48.97	1127.00	979807.999	-12.03	-50.47
79-D-12SE4	37 5.77	-79 47.92	1136.00	979609.010	-9.45	-48.20
79-D-13SE5	37 4.65	-79 45.15	1072.00	979818.934	-3.94	-40.50
79-D-14SE6	37 1.92	-79 45.60	1018.00	979820.547	-3.45	-38.17
106-A-1	37 29.88	-79 6.02	874.90	979885.826	7.86	-21.98
106-A-2	37 27.27	-79 5.12	852.60	979888.028	11.77	-17.31
106-A-3	37 27.72	-79 3.47	626.54	979903.880	5.70	-15.67

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
106-A-4	37 29.05	-79 3.52	835.44	979892.530	12.07	-16.43
106-A-5	37 27.43	-79 1.88	573.84	979908.699	5.97	-13.60
106-A-6	37 25.80	-79 6.13	822.33	979887.662	10.68	-17.37
106-A-7	37 23.65	-79 0.67	742.56	979904.289	22.92	-2.40
106-A-8	37 23.58	-79 3.63	523.65	979907.241	5.38	-12.48
106-A-9	37 23.13	-79 4.00	506.43	979907.610	4.78	-12.49
106-A-10	37 23.10	-79 3.30	506.86	979912.672	9.93	-7.36
106-A-11	37 22.57	-79 2.62	535.04	979914.566	15.25	-3.00
106-A-12SE1	37 28.50	-79 5.97	841.00	979890.362	11.22	-17.47
106-A-13SE2	37 28.57	-79 1.70	796.00	979900.006	16.53	-10.62
106-A-14SE3	37 26.62	-79 1.63	718.00	979900.291	12.31	-12.18
106-A-15SE4	37 25.40	-79 3.15	685.00	979898.649	9.33	-14.03
106-B-1	37 24.83	-79 8.58	648.05	979897.237	5.26	-16.84
106-B-2	37 24.62	-79 9.25	817.65	979887.583	11.88	-16.01
106-B-3	37 24.10	-79 11.03	646.41	979899.010	7.95	-14.10
106-B-4	37 23.90	-79 12.90	789.85	979887.996	10.71	-16.23
106-B-5	37 23.78	-79 13.53	836.48	979884.946	12.22	-16.31
106-B-6	37 22.72	-79 14.85	858.50	979880.926	11.82	-17.46
106-B-7	37 26.80	-79 14.85	876.00	979871.506	-1.88	-31.76
106-B-8	37 28.28	-79 13.30	834.00	979875.076	-4.41	-32.86
106-B-9	37 29.18	-79 10.00	636.67	979892.834	-6.52	-28.24
106-B-10	37 29.08	-79 8.83	774.16	979888.470	2.19	-24.21
106-B-11SE1	37 27.95	-79 7.98	866.00	979885.391	9.40	-20.14
106-B-12SE2	37 26.58	-79 8.07	743.00	979892.999	7.42	-17.92
106-B-13SE3	37 28.55	-79 10.73	776.00	979882.838	-2.49	-28.96
106-B-14SE4	37 23.20	-79 7.88	784.00	979887.160	10.34	-16.40
106-B-15SE5	37 26.37	-79 11.58	781.00	979887.610	5.92	-20.72
106-B-16SE6	37 26.87	-79 13.00	811.00	979880.034	0.44	-27.22
106-B-17SE7	37 25.13	-79 14.38	779.00	979881.096	1.00	-25.56
106-C-1	37 19.90	-79 12.07	935.22	979874.215	16.41	-15.49
106-C-2SE1	37 20.37	-79 11.47	884.00	979878.818	15.52	-14.64
106-C-3SE2	37 21.37	-79 10.25	823.00	979882.109	11.62	-16.45
106-C-4SE3	37 21.60	-79 13.77	863.00	979880.230	13.16	-16.27
106-C-5SE4	37 19.35	-79 13.93	982.00	979867.559	14.95	-18.55
106-C-6	37 18.63	-79 13.97	881.34	979873.378	12.34	-17.72
106-C-7SE5	37 17.73	-79 12.67	738.00	979880.334	7.11	-18.06
106-C-8	37 15.23	-79 13.35	821.14	979875.306	13.53	-14.48
106-C-9	37 15.18	-79 11.22	936.99	979873.766	22.96	-9.00
106-C-10	37 15.57	-79 9.53	853.54	979882.102	22.89	-6.22
106-C-11	37 17.68	-79 10.30	932.29	979875.695	20.82	-10.98
106-C-12	37 18.00	-79 8.43	870.68	979883.276	22.15	-7.55
106-C-13SE6	37 19.55	-79 8.97	962.00	979873.482	18.70	-14.11
106-D-1	37 16.43	-79 6.37	888.26	979885.178	27.97	-2.32
106-D-2	37 15.73	-79 4.48	852.78	979884.764	25.24	-3.85
106-D-3	37 17.72	-79 6.45	764.02	979892.615	21.87	-4.19
106-D-4	37 18.40	-79 6.65	705.36	979896.445	19.19	-4.87
106-D-5	37 19.17	-79 0.92	831.65	979896.434	29.95	1.58
106-D-6	37 17.98	-79 0.02	739.84	979903.521	30.11	4.88
106-D-7	37 21.08	-79 3.27	798.41	979896.893	24.50	-2.73
106-D-8	37 19.47	-79 4.18	829.16	979893.154	26.00	-2.28
106-D-9SE1	37 22.07	-79 6.17	774.00	979888.603	12.49	-13.91
106-D-10SE2	37 21.93	-79 0.65	789.00	979902.394	27.88	0.97
106-D-11SE3	37 18.80	-79 2.72	826.00	979894.800	28.31	0.14
106-D-12SE4	37 16.92	-79 3.17	867.00	979887.178	27.27	-2.30
106-D-13SE5	37 16.20	-79 0.13	695.00	979895.698	20.65	-3.05
106-D-14SE6	37 19.97	-79 6.35	756.00	979892.661	17.90	-7.89
107-A-1	37 27.18	-79 15.68	927.04	979866.337	-2.80	-34.42
107-A-2	37 28.65	-79 15.33	889.37	979867.222	-7.59	-37.92
107-A-3	37 25.13	-79 16.20	740.59	979879.261	-4.44	-29.70
107-A-4SE1	37 25.18	-79 20.70	994.00	979854.982	-4.96	-38.86
107-A-5SE2	37 24.03	-79 20.22	969.00	979858.072	-2.55	-35.60
107-A-6SE3	37 22.78	-79 18.77	889.00	979867.651	1.31	-29.01
107-A-7SE4	37 25.85	-79 18.57	1041.00	979854.028	-2.46	-37.96
107-A-8SE5	37 23.98	-79 16.80	863.00	979871.143	0.62	-28.81
107-A-9SE6	37 27.23	-79 21.18	1040.00	979847.085	-11.50	-46.97
107-A-10SE7	37 28.52	-79 19.72	1204.00	979840.011	-5.01	-46.08
107-A-11SE8	37 29.13	-79 17.37	855.00	979864.689	-14.06	-43.22

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
107-A-12SE9	37 27.38	-79 17.42	844.00	979868.109	-9.13	-37.92
107-B-1	37 25.15	-79 27.42	915.39	979843.858	-23.43	-54.65
107-B-2	37 25.85	-79 29.17	955.90	979835.206	-29.29	-61.89
107-B-3	37 27.70	-79 27.85	945.88	979839.414	-28.70	-60.97
107-B-4	37 28.93	-79 28.63	1187.97	979825.343	-21.79	-62.31
107-B-5	37 29.32	-79 24.30	956.11	979846.105	-23.40	-56.01
107-B-6	37 28.02	-79 24.33	997.79	979844.746	-18.95	-52.98
107-B-7	37 27.07	-79 23.60	1194.56	979832.194	-11.61	-52.36
107-B-8SE1	37 23.35	-79 23.15	1001.00	979850.076	-6.55	-40.69
107-B-9SE2	37 23.07	-79 24.95	912.00	979851.900	-12.68	-43.79
107-B-10SE3	37 25.03	-79 26.03	748.00	979858.573	-24.29	-49.80
107-B-11SE4	37 23.98	-79 26.58	832.00	979851.400	-22.04	-50.41
107-B-12SE5	37 26.52	-79 25.40	800.00	979855.053	-25.07	-52.35
107-B-13SE6	37 29.28	-79 26.47	1016.00	979838.062	-25.76	-60.41
107-C-1	37 20.93	-79 29.03	907.81	979845.850	-16.03	-47.00
107-C-2	37 19.40	-79 29.73	976.07	979842.684	-10.56	-43.85
107-C-3	37 18.87	-79 28.77	913.56	979850.134	-8.22	-39.37
107-C-4	37 19.07	-79 26.65	706.08	979866.223	-11.93	-36.01
107-C-5	37 19.12	-79 25.98	840.16	979860.823	-4.79	-33.45
107-C-6	37 18.97	-79 24.75	811.47	979867.135	-0.96	-28.64
107-C-7	37 18.85	-79 24.42	784.00	979869.517	-0.99	-27.73
107-C-8	37 18.53	-79 23.68	660.24	979879.637	-2.06	-24.57
107-C-9	37 17.98	-79 22.50	842.60	979873.172	9.43	-19.31
107-C-10	37 18.17	-79 25.60	834.18	979865.328	0.53	-27.92
107-C-11	37 15.53	-79 26.83	888.02	979862.265	6.34	-23.95
107-C-12	37 15.03	-79 28.73	896.43	979857.551	3.14	-27.43
107-C-13SE1	37 21.87	-79 26.32	913.00	979850.906	-11.84	-42.98
107-C-14BR1	37 17.60	-79 27.33	679.00	979870.453	-8.12	-31.28
107-C-15SE2	37 17.08	-79 29.43	850.00	979855.088	-6.66	-35.65
107-C-16SE3	37 15.97	-79 24.68	788.00	979873.854	7.90	-18.98
107-C-17	37 21.93	-79 23.58	898.86	979855.836	-8.34	-39.00
107-D-1	37 22.22	-79 18.12	862.84	979873.460	5.48	-23.94
107-D-2	37 20.00	-79 17.73	928.59	979872.246	13.67	-18.00
107-D-3	37 18.75	-79 22.05	846.85	979873.378	8.92	-19.96
107-D-4	37 18.05	-79 20.95	898.29	979875.374	16.77	-13.87
107-D-5	37 18.33	-79 18.48	896.75	979872.072	12.91	-17.67
107-D-6	37 18.18	-79 19.55	765.38	979883.528	12.23	-13.87
107-D-7	37 18.30	-79 17.40	775.32	979877.339	6.81	-19.64
107-D-8	37 18.32	-79 16.57	867.60	979871.263	9.39	-20.20
107-D-9	37 16.02	-79 20.70	793.99	979875.411	9.94	-17.14
107-D-10	37 17.20	-79 19.15	872.05	979872.537	12.70	-17.04
107-D-11SE1	37 21.17	-79 22.30	903.00	979860.806	-1.87	-32.67
107-D-12SE2	37 16.50	-79 21.98	825.00	979874.655	11.41	-16.73
107-D-13SE3	37 15.85	-79 15.98	909.00	979869.566	15.16	-15.84
107-D-14SE4	37 21.00	-79 16.98	933.00	979872.107	12.50	-19.33
107-D-15SE5	37 20.45	-79 19.75	877.00	979871.686	7.60	-22.31
108-A-1	37 23.38	-79 39.08	854.15	979841.212	-29.27	-58.41
108-A-2	37 23.67	-79 35.12	949.03	979836.918	-25.05	-57.42
108-A-3	37 23.30	-79 36.88	954.94	979838.610	-27.27	-59.84
108-A-4	37 24.22	-79 33.35	956.14	979835.255	-26.84	-59.46
108-A-5SE1	37 26.02	-79 33.25	1168.00	979819.327	-25.46	-65.29
108-A-6	37 24.40	-79 30.07	904.73	979838.355	-28.85	-59.70
108-A-7	37 23.60	-79 30.30	769.94	979847.020	-31.70	-57.96
108-A-8	37 23.63	-79 31.17	896.31	979838.915	-27.97	-58.54
108-A-9SE2	37 26.93	-79 36.32	2512.00	979744.730	25.04	-60.64
108-A-10	37 26.40	-79 36.83	2391.73	979748.951	18.72	-62.86
108-A-11	37 26.18	-79 37.22	2017.46	979770.962	5.84	-62.97
108-A-12	37 27.12	-79 34.97	3995.81	979632.507	52.12	-84.17
108-A-13	37 29.80	-79 32.27	3203.89	979700.331	41.56	-67.72
108-A-14	37 29.63	-79 32.57	3191.65	979701.366	41.68	-67.18
108-A-15	37 28.90	-79 33.85	2869.64	979721.130	32.22	-65.65
108-A-16	37 28.38	-79 34.80	2561.89	979740.660	23.55	-63.82
108-A-17	37 28.12	-79 30.48	1290.63	979815.404	-20.89	-64.91
108-A-18SE3	37 26.97	-79 32.77	1386.00	979809.068	-16.59	-63.86
108-A-19	37 29.43	-79 36.43	1286.69	979818.915	-19.66	-63.55
108-A-20	37 28.32	-79 35.95	1625.41	979797.291	-7.80	-63.24
108-B-1	37 28.32	-79 38.52	1925.78	979779.059	2.22	-63.47

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
108-B-2	37 29.07	-79 40.12	2237.50	979759.302	10.69	-65.62
108-B-3SE1	37 26.70	-79 43.62	2523.00	979733.298	14.98	-71.07
108-B-4	37 25.88	-79 45.00	2349.03	979745.340	11.84	-68.28
108-B-5	37 29.48	-79 44.23	929.02	979834.817	-37.47	-69.16
108-B-6	37 28.77	-79 44.93	976.57	979832.129	-34.65	-67.96
108-B-7	37 28.52	-79 41.78	1875.72	979779.304	-2.54	-66.51
108-B-8	37 28.70	-79 39.67	1833.00	979782.950	-3.18	-65.69
108-B-9	37 27.78	-79 39.58	1152.83	979823.839	-24.93	-64.25
108-B-10	37 26.60	-79 40.12	1004.37	979832.205	-28.81	-63.07
108-B-11	37 26.02	-79 40.70	977.00	979832.213	-30.53	-63.86
108-B-12	37 25.28	-79 41.60	951.74	979831.959	-32.10	-64.56
108-B-13	37 24.10	-79 42.18	927.68	979832.053	-32.55	-64.19
108-B-14	37 24.88	-79 43.02	996.42	979831.561	-27.72	-61.70
108-B-15	37 26.82	-79 42.72	1518.53	979798.965	-14.01	-65.80
108-B-16	37 23.28	-79 43.62	1012.38	979825.557	-29.90	-64.43
108-B-17	37 23.02	-79 43.83	961.26	979827.255	-32.62	-65.41
108-B-18	37 22.60	-79 42.57	987.68	979824.687	-32.10	-65.79
108-B-19	37 23.65	-79 44.80	1101.32	979824.046	-23.58	-61.14
108-B-20	37 23.23	-79 44.35	1021.14	979827.853	-26.71	-61.53
108-B-21	37 22.57	-79 38.35	1048.78	979826.627	-24.37	-60.14
108-B-22SE2	37 24.18	-79 39.83	1891.00	979775.410	1.29	-63.20
108-B-23	37 24.07	-79 37.52	1083.80	979825.587	-24.29	-61.25
108-B-24	37 24.72	-79 37.52	1296.53	979813.323	-17.48	-61.70
108-B-25	37 25.48	-79 37.78	1638.14	979794.929	-4.86	-60.73
108-B-26	37 26.05	-79 37.85	1596.45	979796.271	-8.26	-62.71
108-C-1SE1	37 15.43	-79 40.42	995.00	979825.034	-20.68	-54.62
108-C-2	37 15.27	-79 42.88	1081.31	979816.205	-21.15	-58.03
108-C-3SE2	37 16.68	-79 43.88	1080.00	979818.385	-21.14	-57.98
108-C-4	37 18.22	-79 41.93	858.68	979833.641	-28.93	-58.21
108-C-5SE3	37 19.42	-79 42.33	1038.00	979823.039	-24.40	-59.80
108-C-6	37 18.18	-79 44.93	1095.44	979818.437	-21.81	-59.18
108-C-7	37 20.23	-79 39.18	936.20	979830.659	-27.54	-59.47
108-C-8SE4	37 17.97	-79 37.88	1044.00	979821.098	-23.68	-59.28
108-C-9	37 21.07	-79 37.57	929.01	979832.924	-27.16	-58.85
108-C-10	37 21.20	-79 38.93	954.36	979830.360	-27.53	-60.08
108-C-11	37 21.58	-79 40.60	1036.67	979825.996	-24.71	-60.07
108-C-12SE5	37 20.67	-79 41.60	1029.00	979826.383	-23.72	-58.81
108-C-13	37 22.23	-79 41.93	905.33	979831.302	-32.70	-63.58
108-C-14	37 22.33	-79 44.90	1121.92	979817.191	-26.58	-64.85
108-D-1 BASE	37 20.05	-79 31.38	1016.65	979835.688	-14.68	-49.35
108-D-2	37 21.08	-79 36.10	1018.21	979828.971	-22.75	-57.48
108-D-3	37 20.98	-79 34.83	971.44	979832.142	-23.83	-56.96
108-D-4	37 20.62	-79 33.97	891.59	979839.513	-23.44	-53.85
108-D-5	37 20.50	-79 32.98	921.75	979838.623	-21.32	-52.76
108-D-6	37 20.22	-79 31.73	933.69	979840.686	-17.73	-49.57
108-D-7	37 21.62	-79 30.05	807.26	979849.007	-23.33	-50.86
108-D-8	37 19.77	-79 30.63	919.12	979844.624	-14.51	-45.85
108-D-9	37 19.80	-79 36.05	955.15	979829.845	-25.94	-58.52
108-D-10	37 18.78	-79 35.37	938.73	979834.050	-21.81	-53.83
108-D-11	37 17.73	-79 35.70	923.94	979833.451	-22.28	-53.79
108-D-12	37 17.35	-79 36.38	934.75	979832.877	-21.28	-53.16
108-D-13SE1	37 16.53	-79 33.57	1013.00	979836.032	-9.58	-44.13
108-D-14SE2	37 17.92	-79 34.23	1003.00	979833.056	-15.50	-49.71
108-D-15	37 18.35	-79 31.37	1026.64	979837.866	-9.10	-44.11
108-D-16SE3	37 16.92	-79 31.07	979.00	979844.186	-5.18	-38.57
108-D-17	37 15.82	-79 30.90	866.19	979853.176	-5.21	-34.75
109-A-1SE1	37 29.57	-79 50.93	1272.00	979814.360	-25.79	-69.18
109-A-2	37 29.63	-79 49.57	1293.74	979813.449	-24.75	-68.88
109-A-3	37 28.32	-79 47.65	1170.93	979818.636	-29.21	-69.14
109-A-4	37 28.82	-79 47.27	1043.30	979826.203	-34.37	-69.96
109-A-5	37 29.05	-79 47.12	1057.13	979825.439	-34.17	-70.23
109-A-6	37 29.32	-79 46.87	1023.06	979827.567	-35.64	-70.53
109-A-7	37 29.82	-79 45.88	978.92	979831.355	-36.73	-70.12
109-A-8	37 29.98	-79 45.18	963.72	979832.238	-37.52	-70.39
109-A-9	37 26.92	-79 47.12	1175.11	979818.521	-26.90	-66.98
109-A-10SE2	37 22.98	-79 52.15	1536.00	979790.065	-15.70	-68.09
109-A-11	37 25.25	-79 52.40	1405.13	979799.522	-21.84	-69.77

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
109-A-12	37 25.72	-79 52.03	1333.96	979802.851	-25.89	-71.38
109-A-13	37 26.08	-79 51.68	1292.44	979805.829	-27.35	-71.43
109-A-14	37 26.73	-79 50.82	1242.44	979809.979	-28.84	-71.22
109-A-15	37 27.18	-79 49.98	1189.57	979815.400	-29.05	-69.62
109-A-16	37 27.63	-79 49.13	1149.47	979818.355	-30.52	-69.72
109-A-17	37 27.93	-79 48.60	1197.34	979816.019	-28.78	-69.62
109-A-18	37 27.10	-79 51.87	1436.10	979798.432	-22.70	-71.69
109-A-19	37 22.58	-79 50.33	1415.10	979792.466	-24.09	-72.36
109-A-20	37 24.67	-79 47.20	2497.74	979732.248	14.50	-70.69
109-B-1	37 23.40	-79 54.07	1213.45	979810.873	-25.84	-67.23
109-B-2	37 23.70	-79 53.82	1266.64	979808.342	-23.80	-67.00
109-B-3	37 24.40	-79 53.53	1358.13	979802.568	-21.98	-68.31
109-B-4	37 24.70	-79 52.93	1342.05	979803.974	-22.53	-68.30
109-B-5	37 23.85	-79 53.20	1401.05	979798.406	-21.31	-69.10
109-B-6	37 24.55	-79 54.78	1292.00	979808.052	-22.94	-67.01
109-B-7	37 25.48	-79 55.93	1256.01	979810.151	-25.58	-68.42
109-B-8	37 27.10	-79 58.23	1415.25	979800.767	-22.33	-70.60
109-B-9	37 28.95	-79 59.03	1353.53	979806.623	-24.96	-71.13
109-B-10	37 29.27	-79 59.70	1385.77	979802.567	-26.45	-73.71
109-B-11	37 24.45	-79 58.62	1181.89	979810.111	-31.09	-71.40
109-B-12	37 26.12	-79 54.20	1368.10	979801.642	-24.46	-71.13
109-B-13	37 27.13	-79 53.85	1427.29	979799.757	-22.26	-70.94
109-B-14	37 27.38	-79 53.35	1384.39	979802.717	-23.69	-70.91
109-B-15	37 29.68	-79 52.63	1326.91	979810.394	-24.76	-70.02
109-B-16	37 29.95	-79 52.70	1256.59	979816.611	-25.55	-68.40
109-B-17SE1	37 28.70	-79 54.70	1358.00	979807.373	-23.43	-69.75
109-B-18	37 29.68	-79 57.67	1212.14	979817.002	-28.95	-70.29
109-B-19SE2	37 29.70	-79 55.10	1119.00	979823.039	-31.70	-69.86
109-C-1	37 19.30	-79 58.00	* 357.84	979806.724	-27.75	-67.80
109-C-2	37 16.70	-79 53.17	1090.22	979811.830	-26.76	-63.95
109-C-3	37 18.08	-79 53.63	1001.94	979818.320	-30.58	-64.75
109-C-4	37 17.30	-79 57.72	1018.13	979812.441	-33.80	-68.53
109-C-5	37 18.20	-79 59.03	1119.32	979807.637	-30.39	-68.57
109-C-6	37 16.83	-79 58.67	1000.66	979812.618	-34.59	-68.72
109-C-7	37 17.00	-79 57.23	980.85	979815.050	-34.26	-67.72
109-C-8	37 19.10	-79 58.83	1103.97	979809.710	-31.07	-68.72
109-C-9	37 19.52	-79 58.57	1175.16	979806.460	-28.22	-68.31
109-C-10	37 19.45	-79 59.70	1171.80	979807.099	-27.80	-67.77
109-C-11	37 20.27	-79 58.87	1189.05	979807.736	-26.73	-67.28
109-C-12	37 20.62	-79 57.70	1093.88	979814.056	-29.87	-67.18
109-C-13	37 22.17	-79 57.47	1174.31	979808.624	-29.98	-70.03
109-C-14	37 21.07	-79 56.52	1037.18	979818.160	-31.75	-67.13
109-C-15	37 21.33	-79 55.78	1102.99	979814.866	-29.24	-66.86
109-C-16	37 22.12	-79 54.55	1130.89	979814.508	-28.11	-66.68
109-C-17	37 20.38	-79 52.58	1067.97	979812.527	-33.50	-69.92
109-D-1	37 21.23	-79 49.10	1102.29	979815.939	-28.09	-65.68
109-D-2	37 20.38	-79 51.13	1030.50	979816.840	-32.71	-67.85
109-D-3	37 19.30	-79 52.27	990.09	979818.147	-33.63	-67.40
109-D-4SE1	37 21.42	-79 51.35	1237.00	979802.941	-28.68	-70.87
109-D-5	37 21.05	-79 47.30	1807.63	979774.890	-2.53	-64.18
109-D-6	37 19.78	-79 46.28	1148.50	979815.455	-22.12	-61.30
109-D-7	37 21.45	-79 45.87	1976.25	979765.556	3.42	-63.98
109-D-8SE2	37 15.92	-79 51.53	1146.00	979809.466	-22.74	-61.83
109-D-9SE3	37 17.60	-79 49.37	1548.00	979788.839	-8.00	-60.80
109-D-10SE4	37 19.13	-79 48.50	2092.00	979756.014	8.12	-63.23
109-D-11	37 16.27	-79 47.40	1110.45	979813.299	-22.76	-60.64
109-D-12SE5	37 17.63	-79 45.80	1090.00	979817.148	-22.82	-59.99
109-D-13	37 16.23	-79 46.45	919.79	979826.922	-27.03	-58.40

APPENDIX II: PRINCIPAL FACTS FOR POINTS IN SHEET 5

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
133-A-1	37 43.55	-79 0.73	740.50	979893.696	-16.77	-42.02
133-A-2	37 42.23	-79 1.60	643.67	979900.237	-17.42	-39.37
133-A-3	37 43.03	-79 2.03	748.65	979892.240	-16.71	-42.24
133-A-4	37 43.27	-79 2.87	787.17	979888.354	-17.31	-44.16
133-A-5	37 42.48	-79 3.93	793.88	979887.660	-16.23	-43.31
133-A-6	37 40.07	-79 0.73	676.80	979901.448	-9.94	-33.03
133-A-7	37 38.65	-79 1.35	770.15	979894.920	-5.63	-31.90
133-A-8	37 38.83	-79 2.80	664.87	979898.039	-12.68	-35.36
133-A-9	37 39.38	-79 4.75	602.37	979898.335	-19.06	-39.61
133-A-10	37 38.40	-79 7.13	683.64	979891.357	-16.97	-40.28
133-A-11	37 40.00	-79 6.13	710.61	979893.758	-14.35	-38.59
133-A-12	37 40.73	-79 5.05	802.50	979887.867	-12.67	-40.04
133-A-13	37 41.93	-79 6.57	899.58	979877.143	-16.01	-46.69
133-B-1	37 44.42	-79 7.93	1355.71	979843.083	-10.77	-57.01
133-B-2	37 41.12	-79 8.47	880.36	979875.773	-18.00	-48.02
133-B-3	37 39.93	-79 11.22	794.91	979874.347	-25.74	-52.85
133-B-4	37 40.23	-79 12.92	876.98	979865.547	-27.26	-57.17
133-B-5	37 38.70	-79 13.33	1006.90	979858.001	-20.35	-54.70
133-B-6	37 43.37	-79 15.00	2061.98	979798.256	12.36	-57.97
133-B-7	37 41.70	-79 12.88	1074.60	979855.066	-21.28	-57.93
133-B-8	37 42.90	-79 12.27	1381.85	979836.588	-12.60	-59.74
133-B-9SE1	37 39.53	-79 8.87	691.00	979887.393	-21.89	-45.45
133-B-10SE2	37 37.72	-79 7.52	714.00	979889.502	-14.97	-39.33
133-B-11SE3	37 42.42	-79 9.10	1024.00	979863.111	-19.04	-53.96
133-B-12SE4	37 38.00	-79 10.87	853.00	979873.711	-18.10	-47.19
133-C-1	37 30.38	-79 11.28	840.47	979877.358	-4.57	-33.24
133-C-2	37 31.57	-79 12.55	863.01	979873.167	-8.36	-37.79
133-C-3	37 31.42	-79 8.90	858.90	979878.641	-3.05	-32.35
133-C-4	37 36.78	-79 14.53	911.46	979862.133	-22.41	-53.50
133-C-5	37 35.35	-79 14.77	894.65	979864.096	-19.95	-50.46
133-C-6	37 36.52	-79 10.68	1532.34	979835.042	9.29	-42.98
133-C-7	37 35.37	-79 9.98	927.56	979872.812	-8.16	-39.80
133-C-8	37 35.02	-79 11.55	1527.00	979835.495	11.41	-40.67
133-C-9	37 34.25	-79 7.85	967.26	979872.152	-3.46	-36.45
133-C-10SE2	37 36.42	-79 12.77	853.00	979870.376	-19.14	-48.23
133-C-11SE3	37 34.85	-79 13.43	843.00	979871.386	-16.79	-45.54
133-C-12SE4	37 33.92	-79 11.43	2931.00	979736.195	45.78	-54.19
133-C-13SE5	37 33.13	-79 10.05	925.00	979873.029	-4.94	-36.49
133-C-14SE6	37 32.57	-79 14.38	866.00	979870.186	-12.51	-42.05
133-D-1	37 35.10	-79 3.10	765.81	979892.482	-3.30	-29.43
133-D-2	37 35.42	-79 5.85	715.03	979890.026	-11.01	-35.40
133-D-3	37 34.55	-79 3.45	710.63	979895.013	-5.18	-29.42
133-D-4	37 32.00	-79 5.90	886.16	979881.256	1.28	-28.95
133-D-5	37 30.72	-79 7.13	690.83	979893.925	-2.56	-26.12
133-D-6	37 30.77	-79 5.07	946.41	979882.418	9.90	-22.38
133-D-7	37 31.35	-79 4.38	940.40	979883.514	9.58	-22.49
133-D-8	37 31.32	-79 3.35	823.00	979892.114	7.19	-20.88
133-D-9	37 31.00	-79 1.98	794.74	979896.784	9.66	-17.45
133-D-10	37 32.65	-79 5.30	767.93	979889.551	-2.49	-28.68
133-D-11	37 35.62	-79 2.25	749.20	979894.763	-3.35	-28.90
133-D-12	37 36.30	-79 1.90	560.47	979907.438	-9.42	-28.54
133-D-13	37 32.42	-79 6.00	965.34	979875.798	2.66	-30.26
133-D-14	37 33.73	-79 3.90	655.82	979897.405	-6.75	-29.12
134-A-1	37 44.70	-79 22.15	846.03	979869.567	-32.64	-61.50
134-A-2	37 44.62	-79 20.92	897.36	979860.594	-36.67	-67.27
134-A-3	37 44.42	-79 20.02	1099.01	979845.521	-32.48	-69.97
134-A-4	37 43.75	-79 18.93	1702.41	979813.697	-6.58	-64.64
134-A-5	37 44.45	-79 18.18	2315.18	979776.080	12.42	-66.54
134-A-6	37 44.85	-79 17.43	2070.97	979793.027	5.82	-64.82

* Denotes elevation in meters

BR Denotes bridge elevation

SE Denotes checked spot elevation

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
134-A-7	37 44.97	-79 16.82	1772.37	979811.108	-4.36	-64.81
134-A-8	37 44.82	-79 16.13	1631.14	979820.058	-8.47	-64.11
134-A-9	37 40.67	-79 20.03	2243.03	979777.667	12.73	-63.78
134-A-10	37 39.92	-79 19.33	1792.67	979806.286	0.07	-61.07
134-A-11	37 38.58	-79 19.85	1441.84	979827.660	-9.61	-58.79
134-A-12	37 43.03	-79 18.82	2091.28	979788.549	5.89	-65.44
134-A-13	37 41.08	-79 16.08	1249.88	979843.172	-15.79	-58.42
134-A-14SE1	37 40.67	-79 16.98	1105.00	979848.420	-23.57	-61.25
134-A-15SE2	37 37.63	-79 16.43	1011.00	979853.400	-23.02	-57.50
134-A-16SE3	37 43.00	-79 21.92	929.00	979856.378	-35.56	-67.24
134-B-1	37 40.93	-79 27.40	979.56	979856.555	-27.62	-61.03
134-B-2	37 41.28	-79 29.32	1260.17	979838.395	-19.89	-62.87
134-B-3	37 41.68	-79 28.82	1183.82	979844.833	-21.22	-61.59
134-B-4	37 42.87	-79 28.32	868.75	979862.605	-34.80	-64.43
134-B-5	37 44.67	-79 27.55	1128.20	979851.204	-24.42	-62.90
134-B-6	37 43.75	-79 28.88	936.51	979860.423	-31.89	-63.84
134-B-7	37 44.93	-79 29.80	1137.47	979852.568	-22.57	-61.37
134-B-8SE1	37 42.03	-79 25.35	985.00	979858.185	-27.07	-60.67
134-B-9SE2	37 43.07	-79 24.13	924.00	979863.046	-29.46	-60.97
134-B-10SE3	37 43.82	-79 25.35	1165.00	979851.236	-19.69	-59.42
134-B-11	37 38.77	-79 28.17	1129.35	979841.876	-25.06	-63.58
134-B-12	37 39.07	-79 28.72	993.34	979852.084	-28.08	-61.96
134-B-13	37 39.18	-79 29.33	1115.86	979844.599	-24.21	-62.27
134-B-14	37 38.28	-79 26.88	742.20	979860.163	-42.48	-67.80
134-B-15SE4	37 39.72	-79 25.23	870.00	979856.376	-36.33	-66.01
134-B-16SE5	37 41.50	-79 23.57	910.00	979856.713	-34.83	-65.86
134-C-1SE1	37 36.70	-79 29.85	731.00	979859.403	-42.00	-66.93
134-C-2	37 34.05	-79 29.07	1135.16	979828.529	-31.00	-69.72
134-C-3	37 34.17	-79 27.80	1450.70	979813.135	-16.89	-66.37
134-C-4	37 32.32	-79 29.53	3496.02	979680.962	46.01	-73.23
134-C-5	37 32.70	-79 27.97	2897.20	979720.152	28.32	-70.49
134-C-6	37 33.55	-79 27.52	2368.80	979758.129	15.36	-65.43
134-C-7	37 33.52	-79 25.67	1871.43	979789.369	-0.13	-63.96
134-C-8	37 33.57	-79 24.65	1094.18	979838.258	-24.43	-61.75
134-C-9	37 33.15	-79 23.35	774.20	979859.473	-32.70	-59.11
134-C-10SE2	37 34.47	-79 23.02	891.00	979852.367	-30.74	-61.13
134-C-11	37 37.32	-79 26.45	722.10	979860.001	-43.13	-67.76
134-C-12	37 33.07	-79 24.57	914.90	979849.307	-29.51	-60.72
134-C-13	37 31.50	-79 24.95	1022.76	979841.213	-25.19	-60.07
134-C-14	37 30.25	-79 22.65	944.52	979848.576	-23.37	-55.59
134-C-15SE3	37 30.87	-79 23.87	885.00	979850.839	-27.60	-57.79
134-D-1	37 32.30	-79 21.60	614.78	979871.125	-34.81	-55.78
134-D-2	37 31.10	-79 20.82	613.63	979871.242	-33.06	-53.99
134-D-3	37 30.40	-79 16.17	594.34	979880.293	-24.81	-45.08
134-D-4	37 33.32	-79 21.98	668.86	979867.716	-34.61	-57.43
134-D-5	37 34.38	-79 21.05	761.24	979863.093	-32.10	-58.06
134-D-6	37 35.73	-79 19.30	932.42	979855.100	-25.95	-57.75
134-D-7	37 37.18	-79 19.90	1143.01	979843.480	-19.87	-58.85
134-D-8SE1	37 34.23	-79 19.20	1004.00	979850.828	-21.31	-55.55
134-D-9SE2	37 32.63	-79 18.03	927.00	979856.629	-20.43	-52.04
134-D-10	37 32.53	-79 15.20	687.65	979877.587	-21.84	-45.29
134-D-11	37 33.58	-79 15.17	688.00	979880.447	-20.47	-43.93
134-D-12	37 37.50	-79 16.32	1004.58	979853.364	-23.46	-57.73
134-D-13SE3	37 35.47	-79 17.30	980.00	979854.273	-21.91	-55.34
135-A-1	37 44.72	-79 31.63	1025.54	979860.115	-25.24	-60.21
135-A-2	37 44.45	-79 35.12	1178.53	979847.374	-23.20	-63.39
135-A-3	37 44.02	-79 35.92	1285.44	979841.495	-18.39	-62.23
135-A-4	37 43.15	-79 36.65	1307.95	979839.706	-16.80	-61.41
135-A-5SE1	37 41.00	-79 37.20	1385.00	979831.028	-15.11	-62.34
135-A-6SE2	37 42.47	-79 35.52	1324.00	979835.920	-18.08	-63.24
135-A-7SE3	37 43.65	-79 34.53	1182.00	979847.126	-21.96	-62.27
135-A-8	37 43.02	-79 30.38	970.37	979857.312	-30.75	-63.85
135-A-9	37 42.15	-79 31.22	1064.37	979850.534	-27.43	-63.73
135-A-10	37 41.33	-79 32.68	1177.56	979840.174	-25.96	-66.12
135-A-11	37 40.50	-79 33.57	1271.77	979832.941	-23.12	-66.49
135-A-12	37 39.53	-79 34.83	1363.88	979828.077	-17.91	-64.43
135-A-13	37 37.93	-79 35.90	1359.15	979826.287	-17.82	-64.18

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
135-A-14	37 37.78	-79 33.60	1247.75	979835.271	-19.10	-61.65
135-A-15	37 37.65	-79 32.70	1146.10	979838.865	-24.87	-63.96
135-A-16	37 38.00	-79 31.60	1114.04	979842.495	-24.76	-62.76
135-A-17	37 40.63	-79 30.05	1249.77	979836.027	-22.29	-64.92
135-A-18	37 39.52	-79 30.90	1207.21	979839.169	-21.53	-62.71
135-A-19	37 39.47	-79 31.67	1227.19	979837.807	-20.94	-62.80
135-A-20	37 38.90	-79 31.57	1255.94	979834.830	-20.39	-63.23
135-A-21	37 38.33	-79 32.50	1196.49	979837.862	-22.13	-62.93
135-B-1	37 42.33	-79 40.90	2156.10	979779.852	4.31	-69.23
135-B-2	37 41.47	-79 42.23	1620.41	979808.490	-16.18	-71.45
135-B-3	37 40.40	-79 43.60	1432.26	979815.550	-25.27	-74.12
135-B-4	37 39.62	-79 43.85	1774.92	979792.992	-14.45	-74.99
135-B-5	37 38.38	-79 44.80	1304.46	979823.785	-26.12	-70.61
135-B-6	37 37.50	-79 44.13	1049.15	979835.775	-36.86	-72.64
135-B-7SE1	37 42.73	-79 38.75	1526.00	979822.031	-13.36	-65.41
135-B-8	37 38.63	-79 39.23	1697.05	979807.082	-6.26	-64.14
135-B-9	37 40.18	-79 38.07	1497.87	979822.342	-11.99	-63.07
135-C-1	37 30.87	-79 40.00	1038.21	979832.909	-31.12	-66.53
135-C-2	37 31.68	-79 40.88	828.74	979843.241	-41.68	-69.94
135-C-3	37 31.37	-79 41.15	858.01	979841.146	-40.56	-69.82
135-C-4	37 31.12	-79 41.62	837.74	979842.357	-40.89	-69.46
135-C-5	37 30.87	-79 42.15	839.30	979840.957	-41.78	-70.41
135-C-6	37 30.18	-79 42.88	869.31	979840.284	-38.64	-68.29
135-C-7	37 30.50	-79 42.87	864.04	979839.890	-39.99	-69.46
135-C-8	37 30.23	-79 43.87	1008.41	979832.007	-33.91	-68.30
135-C-9	37 30.25	-79 44.13	932.63	979835.441	-37.62	-69.43
135-C-10SE1	37 32.72	-79 44.53	852.00	979845.092	-39.14	-68.20
135-C-11	37 34.67	-79 44.60	888.26	979845.031	-38.62	-68.92
135-C-12SE2	37 36.85	-79 44.33	962.00	979841.083	-38.80	-71.62
135-C-13	37 31.87	-79 40.68	831.92	979843.720	-41.16	-69.54
135-C-14	37 32.58	-79 40.20	903.50	979841.569	-37.62	-68.44
135-C-15	37 33.27	-79 39.75	996.67	979839.060	-32.36	-66.35
135-C-16	37 32.72	-79 39.12	825.84	979847.480	-39.21	-67.38
135-C-17	37 34.08	-79 39.12	1112.75	979834.496	-27.19	-65.15
135-C-18	37 34.80	-79 38.57	1200.96	979830.057	-24.38	-65.34
135-C-19	37 35.37	-79 38.02	1274.88	979827.417	-20.89	-64.37
135-C-20	37 36.93	-79 39.93	1626.74	979810.280	-7.20	-62.69
135-C-21SE3	37 35.03	-79 40.77	1296.00	979824.622	-21.21	-65.41
135-D-1	37 30.72	-79 37.08	1093.61	979832.549	-26.05	-63.35
135-D-2SE1	37 31.60	-79 37.48	973.00	979838.954	-32.27	-65.46
135-D-3	37 32.60	-79 36.93	852.56	979846.499	-37.51	-66.59
135-D-4SE2	37 32.55	-79 35.12	1125.00	979832.594	-25.72	-64.09
135-D-5	37 30.47	-79 31.42	3474.29	979685.663	51.36	-67.14
135-D-6	37 31.03	-79 30.65	4224.99	979630.764	66.25	-77.86
135-D-7	37 31.50	-79 30.33	3890.74	979657.438	60.80	-71.90
135-D-8SE3	37 32.18	-79 32.15	2687.00	979735.304	24.45	-67.20
135-D-9SE4	37 32.93	-79 33.57	2112.00	979774.908	8.88	-63.15
135-D-10SE5	37 34.75	-79 32.27	1128.00	979837.838	-23.38	-61.86
135-D-11	37 34.88	-79 30.48	876.50	979848.693	-36.38	-66.28
135-D-12	37 36.07	-79 30.27	778.70	979855.481	-40.51	-67.07
135-D-13	37 36.93	-79 32.30	923.90	979852.998	-30.60	-62.11
135-D-14SE6	37 36.18	-79 33.92	761.00	979859.489	-38.34	-64.29
135-D-15SE7	37 35.03	-79 35.75	817.00	979853.724	-37.16	-65.03
135-D-16	37 36.55	-79 35.83	1272.30	979831.146	-19.12	-62.51
135-D-17SE8	37 35.87	-79 37.43	1304.00	979827.185	-19.11	-63.58
136-A-1SE1	37 44.85	-79 47.42	1066.00	979847.428	-34.31	-70.67
136-A-2SE2	37 43.58	-79 49.58	1105.00	979842.829	-33.40	-71.09
136-A-3SE3	37 43.75	-79 50.52	1031.00	979846.403	-37.03	-72.19
136-A-4	37 41.35	-79 48.63	963.67	979849.785	-36.49	-69.36
136-A-5	37 41.08	-79 47.02	1017.91	979845.740	-35.04	-69.76
136-A-6SE4	37 42.85	-79 48.60	1011.00	979847.979	-36.02	-70.51
136-A-7	37 38.72	-79 49.05	937.11	979844.168	-40.77	-72.74
136-A-8	37 38.97	-79 50.32	961.76	979845.256	-37.73	-70.53
136-A-9	37 38.50	-79 51.70	973.04	979843.326	-37.92	-71.11
136-A-10	37 39.45	-79 50.42	940.58	979846.942	-38.74	-70.82
136-A-11	37 40.38	-79 51.95	952.51	979846.904	-39.01	-71.50
136-A-12SE5	37 38.53	-79 45.52	1278.00	979826.364	-26.25	-69.84

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
136-B-1SE1	37 44.33	-79 54.72	1877.00	979795.988	-8.72	-72.73
136-B-2	37 43.63	-79 56.32	2148.03	979778.057	-0.13	-73.40
136-B-3	37 42.75	-79 57.80	2273.23	979768.166	3.04	-74.50
136-B-4	37 41.68	-79 59.03	2119.91	979774.323	-3.68	-75.98
136-B-5	37 42.73	-79 55.45	1414.10	979819.122	-26.79	-75.03
136-B-6	37 41.52	-79 53.38	958.21	979846.081	-40.95	-73.63
136-B-7	37 40.58	-79 54.18	1140.66	979834.845	-33.66	-72.57
136-B-8	37 39.57	-79 54.68	1069.40	979838.098	-35.64	-72.11
136-B-9	37 38.83	-79 58.40	1074.72	979835.235	-36.93	-73.59
136-B-10	37 38.17	-79 58.03	1098.83	979830.700	-38.23	-75.71
136-C-1	37 33.32	-79 59.80	1212.69	979820.351	-30.82	-72.18
136-C-2	37 34.45	-79 59.67	1147.16	979826.234	-32.75	-71.88
136-C-3	37 32.65	-79 58.10	1963.64	979774.027	-5.54	-72.52
136-C-4	37 32.55	-79 56.83	1348.63	979810.247	-27.03	-73.03
136-C-5	37 32.20	-79 56.38	1255.85	979816.558	-28.94	-71.77
136-C-6	37 31.82	-79 55.65	1218.91	979818.704	-29.71	-71.28
136-C-7	37 30.83	-79 57.40	1425.34	979806.095	-21.47	-70.09
136-C-8	37 30.43	-79 54.22	1071.69	979826.871	-33.38	-69.93
136-C-9SE1	37 31.12	-79 52.75	1051.00	979829.312	-33.88	-69.72
136-C-10	37 34.13	-79 52.98	1644.74	979798.420	-13.30	-69.40
136-C-11	37 32.98	-79 54.30	1393.34	979811.523	-22.18	-69.70
136-C-12	37 34.25	-79 59.28	1182.11	979823.374	-32.03	-72.35
136-C-13	37 34.87	-79 58.02	1315.48	979816.287	-27.47	-72.34
136-C-14	37 35.02	-79 57.68	1386.53	979812.529	-24.76	-72.05
136-C-15	37 35.80	-79 56.27	1229.07	979822.622	-30.62	-72.54
136-C-16	37 36.07	-79 55.80	1203.48	979824.470	-31.57	-72.61
136-C-17	37 37.00	-79 53.95	1090.80	979832.717	-35.27	-72.48
136-D-1SE1	37 31.63	-79 52.42	1085.00	979828.218	-32.52	-69.53
136-D-2	37 33.37	-79 50.78	1140.30	979827.777	-30.28	-69.17
136-D-3	37 32.50	-79 49.80	1142.53	979827.667	-28.92	-67.89
136-D-4	37 31.07	-79 48.97	1294.15	979817.455	-22.79	-66.93
136-D-5SE2	37 30.27	-79 50.03	1262.00	979817.509	-24.60	-67.64
136-D-6	37 30.12	-79 51.50	1080.60	979827.415	-31.54	-68.39
136-D-7	37 32.17	-79 47.15	1114.36	979826.562	-32.19	-70.20
136-D-8	37 32.80	-79 48.27	1060.47	979831.906	-32.84	-69.01
136-D-9SE3	37 30.98	-79 48.43	1150.00	979824.518	-29.17	-68.39
136-D-10SE4	37 32.70	-79 47.97	1401.00	979812.043	-20.52	-68.31
136-D-11SE5	37 34.10	-79 45.60	1012.00	979834.761	-36.43	-70.95
136-D-12SE6	37 35.57	-79 45.22	933.00	979843.347	-37.40	-69.23
136-D-13	37 34.80	-79 49.92	1049.79	979834.784	-33.87	-69.67
136-D-14	37 36.43	-79 50.03	1162.43	979829.442	-30.99	-70.64
136-D-15	37 35.60	-79 51.85	1393.15	979814.558	-22.96	-70.48
136-D-16	37 36.47	-79 47.02	912.88	979844.454	-39.50	-70.63
156-A-1	37 53.38	-79 0.05	2667.09	979782.533	38.97	-52.00
156-A-2	37 53.48	-79 1.08	2620.08	979785.753	37.62	-51.74
156-A-3	37 52.80	-79 3.48	1580.46	979837.460	-7.46	-61.37
156-A-4	37 53.07	-79 5.70	2175.09	979806.469	17.09	-57.10
156-A-5	37 54.07	-79 7.05	3268.38	979741.903	53.90	-57.57
156-A-6	37 54.68	-79 5.07	3286.40	979740.737	53.53	-58.56
156-A-7	37 54.85	-79 3.77	3084.11	979752.090	45.62	-59.57
156-A-8	37 53.83	-79 3.23	2716.67	979776.074	36.52	-56.14
156-A-9	37 52.52	-79 1.22	2554.78	979782.760	29.90	-57.24
156-A-10	37 58.77	-79 2.63	1860.59	979827.842	0.57	-62.89
156-A-11	37 58.73	-79 6.28	1892.88	979821.588	-2.59	-67.16
156-B-1	37 57.57	-79 10.87	1752.29	979837.751	2.05	-57.72
156-B-2	37 57.88	-79 10.73	1760.22	979837.822	2.40	-57.63
156-B-3	37 58.88	-79 10.08	1701.64	979842.724	0.34	-57.70
156-B-4	37 59.52	-79 9.72	1705.05	979842.861	-0.13	-58.28
156-B-5	37 59.63	-79 11.57	1703.69	979843.495	0.21	-57.90
156-B-6	37 58.48	-79 14.83	1966.13	979826.330	9.40	-57.66
156-B-7	37 57.33	-79 12.77	1843.79	979832.664	5.90	-56.98
156-B-8	37 57.02	-79 12.10	1769.56	979836.629	3.35	-57.00
156-B-9	37 56.52	-79 11.25	1771.33	979834.542	2.16	-58.26
156-B-10	37 55.93	-79 11.82	1715.71	979837.059	0.29	-58.22
156-B-11	37 55.63	-79 11.73	1824.59	979828.839	2.75	-59.48
156-B-12	37 55.48	-79 12.22	1680.45	979837.910	-1.52	-58.83
156-B-13	37 55.85	-79 13.03	1766.69	979834.544	2.69	-57.56

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
156-B-14	37 56.23	-79 13.95	1855.34	979829.493	5.42	-57.86
156-B-15	37 54.02	-79 14.93	1755.84	979832.375	2.18	-57.71
156-B-16	37 54.53	-79 13.85	1699.77	979834.937	-1.29	-59.26
156-B-17	37 55.02	-79 12.88	1726.97	979834.788	0.42	-58.48
156-B-18	37 53.15	-79 9.13	2985.63	979755.662	42.40	-59.43
156-B-19	37 54.35	-79 11.83	1428.67	979844.133	-17.32	-66.05
156-B-20	37 53.35	-79 14.12	1636.79	979837.724	-2.70	-58.53
156-B-21	37 53.32	-79 10.42	2189.96	979801.234	12.89	-61.80
156-B-22	37 55.53	-79 9.12	1678.09	979829.400	-10.32	-67.56
156-C-1	37 52.25	-79 8.70	2941.93	979761.776	45.72	-54.62
156-C-2	37 51.78	-79 8.95	2887.07	979763.204	42.66	-55.81
156-C-3	37 50.23	-79 9.55	3064.65	979746.365	44.79	-59.74
156-C-4	37 48.55	-79 10.80	3142.69	979736.996	45.21	-61.98
156-C-5	37 47.80	-79 12.02	2673.30	979764.720	29.87	-61.31
156-C-6	37 48.25	-79 13.25	2418.83	979778.750	19.31	-63.19
156-C-7	37 48.23	-79 14.85	2184.74	979790.900	9.47	-65.05
156-C-8	37 49.07	-79 13.27	1619.31	979825.191	-10.64	-65.87
156-C-9	37 50.83	-79 11.48	2002.28	979808.143	5.76	-62.53
156-C-10	37 52.05	-79 14.80	1222.43	979858.513	-18.99	-60.69
156-C-11	37 47.25	-79 9.12	2433.97	979777.726	21.17	-61.85
156-C-12	37 46.80	-79 14.82	1841.01	979810.617	-1.06	-63.85
156-C-13	37 46.08	-79 14.18	2107.33	979794.763	9.18	-62.70
156-C-14	37 46.43	-79 12.40	2427.09	979779.063	23.05	-59.73
156-C-15	37 46.80	-79 10.92	3247.21	979730.333	50.92	-59.83
156-C-16	37 45.53	-79 11.35	3434.71	979719.980	60.05	-57.10
156-D-1	37 45.13	-79 4.03	861.73	979882.378	-18.99	-48.38
156-D-2	37 47.22	-79 5.43	1308.03	979849.117	-13.30	-57.91
156-D-3	37 47.33	-79 7.35	1685.87	979822.535	-4.51	-62.01
156-D-4	37 46.53	-79 3.48	1060.97	979870.777	-13.88	-50.07
156-D-5	37 46.88	-79 1.77	900.57	979883.473	-16.78	-47.50
156-D-6	37 49.98	-79 5.48	3333.71	979731.964	56.06	-57.65
156-D-7	37 49.37	-79 0.30	834.01	979889.865	-20.27	-48.71
157-A-1SE1	37 58.98	-79 16.53	1627.00	979843.771	-5.78	-61.28
157-A-2	37 58.48	-79 18.57	1515.61	979852.850	-6.45	-58.15
157-A-3	37 59.10	-79 19.43	1853.18	979832.435	3.98	-59.22
157-A-4	37 59.72	-79 20.03	1679.24	979841.770	-3.94	-61.22
157-A-5	37 57.77	-79 18.38	1454.12	979855.633	-8.41	-58.01
157-A-6	37 57.10	-79 18.10	1423.27	979856.371	-9.60	-58.15
157-A-7	37 56.60	-79 17.93	1432.55	979856.573	-7.80	-56.66
157-A-8	37 56.32	-79 18.33	1348.50	979859.604	-12.26	-58.25
157-A-9	37 55.82	-79 19.10	1335.78	979860.696	-11.64	-57.20
157-A-10SE2	37 56.43	-79 21.17	1255.00	979860.932	-19.90	-62.70
157-A-11SE3	37 58.18	-79 21.18	1510.00	979849.624	-9.77	-61.27
157-A-12	37 55.07	-79 19.07	1434.74	979855.746	-6.19	-55.12
157-A-13	37 54.48	-79 19.63	1445.15	979854.305	-5.80	-55.09
157-A-14	37 53.97	-79 20.42	1384.87	979857.191	-7.83	-55.06
157-A-15	37 53.15	-79 20.87	1394.45	979855.565	-7.36	-54.92
157-A-16	37 52.58	-79 20.15	1582.97	979844.359	-0.01	-54.00
157-A-17	37 55.13	-79 15.82	1929.08	979825.959	10.43	-55.37
157-A-18SE4	37 53.58	-79 18.42	1669.00	979840.706	2.97	-53.95
157-A-19	37 52.80	-79 17.28	1610.92	979841.994	-0.06	-55.01
157-A-20	37 53.07	-79 16.67	1645.83	979840.132	0.97	-55.16
157-B-1	37 52.97	-79 23.05	1114.01	979870.800	-18.24	-56.24
157-B-2	37 54.48	-79 25.53	1121.02	979864.059	-26.53	-64.77
157-B-3	37 55.92	-79 26.53	1211.85	979854.722	-29.41	-70.75
157-B-4SE1	37 56.77	-79 23.10	1187.00	979864.845	-22.87	-63.35
157-B-5SE2	37 57.45	-79 24.27	1484.00	979844.851	-15.92	-66.54
157-B-6	37 58.48	-79 22.82	1289.84	979858.017	-22.52	-66.52
157-B-7SE3	37 55.25	-79 23.48	1170.00	979862.783	-24.32	-64.22
157-B-8	37 56.33	-79 27.15	1320.22	979847.990	-26.56	-71.59
157-B-9	37 57.52	-79 28.48	1370.98	979847.777	-23.72	-70.48
157-B-10	37 59.37	-79 26.70	1417.15	979849.472	-20.38	-68.72
157-B-11	37 57.95	-79 28.12	1420.49	979845.784	-21.69	-70.14
157-B-12SE4	37 58.60	-79 27.30	1439.00	979847.314	-19.37	-68.45
157-B-13	37 59.20	-79 26.07	1477.09	979845.690	-18.28	-68.66
157-B-14	37 57.63	-79 27.75	1416.52	979846.529	-20.86	-69.17
157-B-15	37 57.60	-79 27.13	1436.89	979845.428	-19.99	-69.00

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
157-B-16	37 57.98	-79 26.60	1496.65	979842.698	-17.66	-68.71
157-B-17	37 58.67	-79 26.23	1398.88	979849.385	-21.17	-68.88
157-B-18	37 56.93	-79 29.27	1546.97	979833.807	-20.29	-73.05
157-B-19	37 56.30	-79 29.58	1593.74	979830.210	-18.56	-72.92
157-B-20	37 55.72	-79 29.97	1711.03	979821.846	-15.04	-73.40
157-B-21	37 54.67	-79 29.77	2519.37	979774.153	14.83	-71.10
157-C-1	37 46.45	-79 27.03	1083.81	979858.949	-23.44	-60.41
157-C-2 BASE	37 47.10	-79 26.72	1056.15	979862.500	-23.44	-59.46
157-C-3	37 45.30	-79 28.30	1167.46	979850.910	-21.94	-61.76
157-C-4SE1	37 46.32	-79 29.57	1353.00	979845.088	-11.79	-57.94
157-C-5	37 45.63	-79 26.83	1123.56	979853.798	-23.67	-61.99
157-C-6	37 47.48	-79 25.67	927.79	979870.314	-28.26	-59.90
157-C-7	37 47.97	-79 25.07	1047.80	979864.459	-23.33	-59.06
157-C-8	37 48.27	-79 24.38	992.65	979867.879	-25.73	-59.59
157-C-9	37 48.80	-79 23.88	1096.45	979863.125	-21.50	-58.90
157-C-10	37 50.18	-79 22.57	1175.52	979862.143	-17.06	-57.15
157-C-11	37 49.52	-79 23.23	1173.42	979860.348	-18.08	-58.10
157-C-12	37 48.38	-79 25.38	1061.82	979865.885	-21.39	-57.60
157-C-13	37 49.78	-79 24.63	1268.22	979857.476	-12.42	-55.68
157-C-14	37 50.90	-79 23.97	1264.74	979859.669	-12.18	-55.32
157-C-15	37 51.77	-79 23.70	1106.42	979869.308	-18.70	-56.43
157-C-16	37 52.25	-79 23.25	1203.17	979864.578	-15.03	-56.07
157-C-17	37 51.87	-79 24.60	1202.98	979863.319	-15.75	-56.78
157-C-18SE2	37 45.70	-79 22.75	1085.00	979856.087	-25.10	-62.11
157-C-19	37 48.22	-79 28.05	1114.45	979863.590	-18.49	-56.50
157-C-20	37 49.18	-79 29.47	1223.16	979856.611	-16.65	-58.37
157-C-21	37 50.42	-79 29.18	1180.78	979857.100	-21.95	-62.22
157-C-22	37 51.07	-79 29.48	1146.28	979861.130	-22.11	-61.20
157-C-23	37 50.90	-79 28.00	1168.85	979862.208	-18.66	-58.53
157-C-24	37 52.47	-79 27.15	1245.87	979854.324	-21.58	-64.08
157-C-25	37 51.85	-79 26.67	1135.22	979865.110	-20.31	-59.03
157-C-26	37 52.12	-79 28.43	1246.60	979854.110	-21.22	-63.74
157-C-27	37 52.30	-79 29.78	1258.49	979852.712	-21.77	-64.69
157-C-28	37 51.92	-79 29.68	1263.64	979851.271	-22.17	-65.26
157-D-1	37 50.60	-79 21.52	1403.47	979851.496	-6.87	-54.74
157-D-2	37 52.27	-79 18.30	1645.83	979839.191	1.19	-54.94
157-D-3	37 51.63	-79 19.17	1708.55	979834.458	3.28	-54.99
157-D-4	37 51.38	-79 19.63	1688.94	979834.970	2.32	-55.29
157-D-5	37 50.62	-79 20.65	1498.93	979845.783	-3.63	-54.75
157-D-6	37 51.32	-79 21.92	1419.39	979851.623	-6.29	-54.70
157-D-7SE1	37 48.42	-79 22.25	1378.00	979847.425	-10.16	-57.16
157-D-8	37 46.10	-79 20.33	1138.43	979848.383	-28.36	-67.19
157-D-9	37 47.63	-79 19.27	1133.31	979855.145	-24.31	-62.97
157-D-10	37 49.08	-79 19.15	1418.99	979844.505	-10.19	-58.59
157-D-11	37 49.70	-79 19.33	1375.06	979849.876	-9.85	-56.75
157-D-12	37 50.55	-79 18.58	1505.65	979843.394	-5.29	-56.64
157-D-13	37 45.03	-79 15.90	1642.38	979819.430	-8.36	-64.38
157-D-14	37 45.85	-79 17.33	2708.81	979754.255	25.59	-66.80
157-D-15	37 47.12	-79 16.35	2518.43	979766.987	18.57	-67.33
157-D-16	37 45.88	-79 17.52	2450.65	979771.836	18.84	-64.75
157-D-17	37 50.92	-79 18.43	1136.16	979861.418	-22.55	-61.30
158-A-1	37 59.92	-79 33.87	1653.35	979834.170	-14.27	-70.66
158-A-2	37 59.90	-79 35.52	1753.82	979828.831	-10.13	-69.95
158-A-3	37 59.65	-79 37.25	1343.54	979851.395	-25.80	-71.62
158-A-4	37 59.43	-79 36.03	1760.78	979827.517	-10.11	-70.17
158-A-5	37 58.47	-79 36.22	1687.32	979830.676	-12.45	-70.00
158-A-6	37 57.80	-79 36.95	1788.45	979823.190	-9.45	-70.45
158-A-7	37 56.80	-79 36.52	1942.25	979812.382	-4.34	-70.58
158-A-8	37 56.32	-79 37.03	1842.43	979816.308	-9.10	-71.94
158-A-9	37 55.38	-79 37.08	2286.61	979786.321	4.06	-73.93
158-A-10	37 54.83	-79 37.00	1898.66	979807.998	-9.96	-74.71
158-A-11	37 54.70	-79 35.98	1709.38	979821.479	-14.09	-72.39
158-A-12	37 54.55	-79 35.23	1682.25	979821.499	-16.40	-73.78
158-A-13	37 53.88	-79 35.57	1801.32	979814.932	-10.79	-72.23
158-A-14SE1	37 56.90	-79 33.50	1495.98	979839.751	-19.09	-70.12
158-A-15	37 58.35	-79 30.52	1397.26	979847.191	-23.05	-70.71
158-A-16	37 53.10	-79 34.22	1592.98	979828.799	-15.38	-69.71

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
158-A-17	37 53.67	-79 34.98	2084.22	979796.627	-2.17	-73.26
158-A-18	37 53.43	-79 35.82	1894.80	979808.970	-7.31	-71.93
158-A-19	37 52.93	-79 36.48	2046.43	979798.770	-2.52	-72.31
158-A-20	37 52.60	-79 30.35	1358.54	979847.171	-18.33	-64.67
158-A-21	37 53.10	-79 30.18	1497.22	979839.254	-13.94	-65.00
158-A-22	37 54.98	-79 30.57	1901.95	979811.295	-6.57	-71.44
158-B-1SE1	37 54.58	-79 39.15	1624.00	979825.577	-17.85	-73.24
158-B-2SE2	37 53.52	-79 40.68	1394.00	979837.865	-25.64	-73.18
158-B-3	37 60.00	-79 42.65	1373.77	979848.420	-26.44	-73.29
158-B-4	37 59.42	-79 42.83	1405.32	979845.853	-25.19	-73.12
158-B-5	37 58.95	-79 43.48	1450.32	979842.479	-23.65	-73.11
158-B-6	37 58.52	-79 44.28	1483.57	979838.528	-23.84	-74.44
158-B-7	37 57.88	-79 44.83	1549.89	979834.247	-20.96	-73.82
158-B-8	37 59.20	-79 38.50	1355.58	979849.443	-25.96	-72.19
158-B-9	37 58.27	-79 39.90	1259.62	979852.828	-30.24	-73.20
158-B-10	37 57.75	-79 40.63	1320.70	979848.528	-28.04	-73.09
158-B-11	37 57.40	-79 40.90	1374.47	979844.677	-26.32	-73.20
158-B-12	37 56.97	-79 41.40	1413.01	979841.310	-25.43	-73.63
158-B-13	37 56.42	-79 42.05	1475.76	979836.307	-23.73	-74.07
158-B-14	37 55.50	-79 43.27	1217.51	979848.863	-34.13	-75.66
158-B-15	37 54.63	-79 43.70	1186.83	979849.236	-35.38	-75.86
158-B-16	37 54.18	-79 44.43	1174.96	979849.486	-35.59	-75.67
158-C-1	37 51.93	-79 37.63	2373.56	979778.316	9.26	-71.70
158-C-2	37 49.65	-79 39.53	1540.42	979823.772	-20.33	-72.87
158-C-3	37 49.08	-79 40.17	1449.95	979829.740	-22.05	-71.50
158-C-4	37 48.62	-79 40.92	1328.47	979837.781	-24.75	-70.06
158-C-5	37 48.72	-79 39.77	1753.80	979811.453	-11.22	-71.03
158-C-6	37 49.13	-79 38.10	2971.40	979735.340	26.59	-74.75
158-C-7	37 49.03	-79 39.28	2153.40	979784.570	-0.98	-74.42
158-C-8	37 49.33	-79 37.82	2776.81	979748.941	21.60	-73.11
158-C-9	37 48.88	-79 38.08	2500.17	979767.065	14.36	-70.92
158-C-10	37 47.93	-79 37.68	1753.31	979813.568	-8.01	-67.81
158-C-11	37 47.45	-79 37.57	1493.96	979829.937	-15.33	-66.29
158-C-12	37 47.03	-79 38.32	1601.48	979821.174	-13.37	-68.00
158-C-13	37 46.43	-79 38.95	1842.66	979804.905	-6.08	-68.93
158-C-14	37 45.88	-79 39.65	2079.34	979789.486	1.56	-69.36
158-C-15	37 48.25	-79 38.25	2099.19	979791.700	2.20	-69.40
158-C-16	37 50.22	-79 39.07	1680.59	979815.725	-16.02	-73.34
158-C-17	37 47.65	-79 42.73	1176.17	979844.453	-31.00	-71.11
158-C-18	37 47.72	-79 43.63	1112.28	979848.272	-33.29	-71.22
158-C-19	37 48.60	-79 44.63	1110.52	979849.823	-33.19	-71.06
158-C-20	37 48.90	-79 44.58	1095.60	979850.951	-33.90	-71.27
158-C-21	37 52.22	-79 44.37	1174.53	979848.464	-33.79	-73.85
158-C-22	37 52.00	-79 44.05	1121.46	979851.457	-35.47	-73.72
158-D-1	37 51.55	-79 30.42	1198.87	979857.297	-21.73	-62.61
158-D-2	37 51.90	-79 31.40	1248.43	979851.063	-23.78	-66.36
158-D-3	37 51.93	-79 32.00	1281.18	979847.552	-24.26	-67.96
158-D-4	37 52.48	-79 33.63	1423.01	979839.264	-20.01	-68.54
158-D-5	37 52.37	-79 37.18	2371.10	979779.530	9.61	-71.26
158-D-6	37 45.72	-79 33.05	1108.55	979855.921	-23.08	-60.89
158-D-7	37 46.78	-79 34.92	1210.59	979846.089	-24.86	-66.15
158-D-8	37 47.15	-79 35.38	1246.05	979847.448	-20.70	-63.20
158-D-9	37 48.07	-79 36.97	1464.28	979832.894	-16.06	-66.01
158-D-10SE1	37 46.13	-79 36.87	1740.00	979814.311	-5.90	-65.24
158-D-11	37 47.13	-79 34.73	1341.60	979839.816	-19.32	-65.08
158-D-12SE2	37 51.32	-79 34.75	1541.41	979831.136	-15.30	-67.87
158-D-13SE3	37 49.45	-79 35.23	1700.00	979820.388	-8.41	-66.39
158-D-14	37 46.92	-79 33.90	1345.81	979842.374	-16.05	-61.95
158-D-15	37 47.23	-79 32.92	1377.46	979841.331	-14.58	-61.56
158-D-16	37 47.63	-79 32.12	1556.47	979832.856	-6.80	-59.89
158-D-17	37 47.53	-79 31.48	1354.35	979846.005	-12.52	-58.71
158-D-18	37 47.80	-79 30.62	1405.77	979843.354	-10.72	-58.67
159-A-1	37 53.23	-79 48.23	1332.88	979839.723	-29.12	-74.58
159-A-2	37 55.62	-79 46.95	1591.04	979828.021	-20.01	-74.28
159-A-3	37 57.60	-79 45.27	1569.58	979832.563	-20.38	-73.91
159-A-4	37 56.82	-79 47.78	1866.27	979810.315	-13.58	-77.23
159-A-5	37 55.82	-79 49.02	2151.40	979792.062	-3.55	-76.93

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
159-A-6	37 54.65	-79 50.23	2660.22	979760.478	14.42	-76.31
159-A-7	37 52.87	-79 51.60	1974.69	979797.541	-10.40	-77.75
159-A-8	37 57.67	-79 51.73	2217.95	979790.252	-1.80	-77.45
159-A-9	37 58.43	-79 50.98	2442.38	979777.966	5.91	-77.40
159-A-10	37 59.97	-79 49.90	2238.47	979791.077	-2.40	-78.74
159-A-11	37 57.98	-79 49.77	3792.17	979691.522	47.08	-82.26
159-A-12SE1	37 55.00	-79 51.57	3898.00	979682.576	52.44	-80.51
159-B-1	37 53.10	-79 54.68	2354.00	979778.016	5.42	-74.87
159-B-2	37 54.28	-79 53.92	2499.04	979770.654	9.97	-75.26
159-B-3	37 55.77	-79 53.02	2487.30	979771.918	7.97	-76.86
159-B-4	37 52.52	-79 53.28	3237.50	979720.486	31.84	-78.58
159-B-5SE1	37 53.18	-79 58.78	1397.00	979829.483	-33.25	-80.90
159-B-6	37 55.13	-79 57.97	1395.52	979833.176	-32.54	-80.14
159-B-7	37 55.23	-79 58.87	1758.96	979811.407	-20.27	-80.26
159-B-8	37 56.77	-79 58.20	1527.11	979825.836	-29.88	-81.97
159-B-9	37 57.53	-79 57.95	1601.73	979822.006	-27.81	-82.44
159-B-10	37 58.88	-79 58.10	1518.95	979829.212	-30.36	-82.17
159-B-11	37 58.70	-79 54.57	1613.17	979826.348	-24.09	-79.12
159-B-12	37 58.02	-79 52.97	1790.16	979813.933	-18.87	-79.92
159-B-13	37 57.17	-79 56.48	1465.54	979831.002	-31.09	-81.08
159-C-1	37 47.60	-79 52.55	1132.16	979842.686	-36.83	-75.45
159-C-2	37 46.28	-79 53.68	1281.99	979828.904	-34.60	-78.33
159-C-3	37 45.42	-79 54.83	1546.35	979810.500	-26.88	-79.62
159-C-4	37 47.43	-79 53.37	1119.34	979843.237	-37.24	-75.42
159-C-5	37 46.48	-79 57.93	1190.58	979832.248	-40.15	-80.76
159-C-6	37 46.68	-79 58.55	1374.93	979824.141	-31.21	-78.10
159-C-7	37 46.10	-79 58.28	1221.28	979832.416	-36.54	-78.19
159-C-8	37 45.72	-79 59.38	1279.28	979827.947	-34.99	-78.62
159-C-9	37 46.77	-79 55.95	1178.21	979834.915	-39.06	-79.24
159-C-10	37 47.38	-79 57.33	1353.13	979824.722	-33.70	-79.85
159-C-11	37 48.83	-79 55.08	1841.96	979798.446	-16.10	-78.93
159-C-12SE1	37 49.97	-79 53.72	2453.54	979764.685	6.01	-77.67
159-C-13	37 47.72	-79 59.83	1242.59	979830.838	-38.46	-80.84
159-C-14	37 47.85	-79 59.03	1565.87	979811.172	-27.91	-81.32
159-C-15	37 48.07	-79 59.47	1272.49	979828.609	-38.39	-81.79
159-C-16	37 46.75	-79 59.22	1305.37	979825.981	-36.01	-80.53
159-C-17	37 48.55	-79 59.27	1270.03	979827.880	-40.05	-83.37
159-C-18	37 50.55	-79 58.30	1735.85	979801.906	-25.12	-84.33
159-C-19	37 51.37	-79 57.75	2138.34	979780.336	-10.02	-82.96
159-C-20	37 52.32	-79 56.10	2228.76	979780.579	-2.66	-78.68
159-C-21SE2	37 52.38	-79 53.22	3150.00	979726.115	29.43	-78.00
159-C-22	37 52.40	-79 59.10	1368.00	979829.040	-35.28	-81.94
159-D-1 BASE	37 49.02	-79 49.55	1079.28	979846.830	-39.73	-76.54
159-D-2	37 48.93	-79 49.03	1116.60	979843.439	-39.48	-77.57
159-D-3	37 47.30	-79 46.88	1022.35	979852.465	-36.94	-71.81
159-D-4SE1	37 45.37	-79 49.02	1003.00	979850.857	-37.56	-71.77
159-D-5	37 51.05	-79 48.50	1185.13	979846.108	-33.45	-73.87
159-D-6	37 48.72	-79 49.22	1072.69	979845.825	-40.91	-77.50
159-D-7	37 49.62	-79 46.00	1136.56	979846.858	-35.18	-73.95
159-D-8	37 49.47	-79 45.20	1114.65	979849.631	-34.25	-72.27
159-D-9	37 49.60	-79 47.35	1084.53	979849.029	-37.88	-74.87
159-D-10	37 45.38	-79 47.27	1114.02	979845.352	-32.65	-70.64
159-D-11	37 50.40	-79 50.95	1378.22	979832.711	-27.74	-74.75
159-D-12	37 51.43	-79 52.30	1694.00	979813.665	-18.59	-76.36
176-A-1	38 7.87	-79 2.40	1395.00	979873.061	-11.28	-58.86
176-A-2	38 8.23	-79 4.05	1456.12	979870.173	-8.95	-58.62
176-A-3 BASE	38 8.92	-79 4.35	1384.38	979873.840	-13.06	-60.28
176-A-4	38 7.93	-79 5.53	1470.94	979868.086	-9.21	-59.38
176-A-5	38 8.57	-79 7.35	1622.26	979857.346	-6.64	-61.97
176-A-6	38 10.00	-79 5.33	1499.94	979863.445	-14.14	-65.30
176-A-7	38 12.18	-79 7.13	1421.57	979870.381	-17.76	-66.25
176-A-8	38 11.35	-79 6.32	1482.20	979866.541	-14.68	-65.24
176-A-9	38 11.85	-79 4.97	1610.75	979860.381	-9.48	-64.42
176-A-10	38 13.08	-79 4.63	1610.60	979863.606	-8.07	-63.01
176-A-11	38 14.03	-79 3.95	1564.69	979867.603	-9.78	-63.15
176-A-12	38 9.08	-79 3.53	1329.11	979877.901	-14.41	-59.75
176-A-13	38 9.63	-79 2.92	1361.08	979877.228	-12.88	-59.30

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
176-A-14	38 12.47	-79 0.08	1204.00	979889.625	-19.40	-60.46
176-A-15SE1	38 14.40	-79 0.72	1277.00	979885.822	-19.16	-62.71
176-A-16SE2	38 12.98	-79 2.80	1560.00	979866.149	-10.14	-63.35
176-A-17SE3	38 14.57	-79 6.42	1438.00	979872.203	-17.88	-66.92
176-B-1	38 8.63	-79 8.28	1669.44	979853.434	-6.21	-63.15
176-B-2	38 8.58	-79 9.55	1581.35	979855.119	-12.74	-66.67
176-B-3	38 9.50	-79 12.40	1625.96	979852.093	-12.91	-68.36
176-B-4	38 10.87	-79 13.68	1792.94	979842.632	-8.66	-69.81
176-B-5	38 12.55	-79 8.20	1390.39	979869.695	-21.92	-69.34
176-B-6	38 13.18	-79 8.67	1411.77	979868.490	-22.04	-70.19
176-B-7	38 13.48	-79 9.82	1430.42	979867.222	-21.99	-70.78
176-B-8	38 13.88	-79 10.10	1441.85	979866.450	-22.27	-71.45
176-B-9	38 14.72	-79 9.97	1520.38	979864.947	-17.60	-69.46
176-B-10	38 14.17	-79 10.57	1483.07	979864.381	-20.88	-71.46
176-B-11	38 14.78	-79 11.07	1499.20	979863.801	-20.84	-71.97
176-B-12	38 13.70	-79 12.52	1684.12	979851.771	-13.89	-71.33
176-B-13	38 12.57	-79 12.20	1589.71	979858.429	-14.46	-68.68
176-B-14	38 11.97	-79 13.17	1631.54	979853.635	-14.44	-70.09
176-B-15	38 11.65	-79 14.92	1896.69	979837.329	-5.34	-70.04
176-B-16SE1	38 11.33	-79 10.55	1638.00	979855.552	-10.99	-66.86
176-C-1	38 1.23	-79 8.42	1534.82	979855.101	-6.41	-58.76
176-C-2	38 0.32	-79 9.35	1562.10	979850.697	-6.91	-60.19
176-C-3	38 2.50	-79 7.70	1609.32	979853.615	-2.73	-57.62
176-C-4	38 3.00	-79 8.55	1884.92	979836.876	5.72	-58.57
176-C-5	38 3.45	-79 9.15	2012.25	979829.985	10.15	-58.48
176-C-6	38 3.75	-79 10.13	1901.48	979837.651	6.96	-57.89
176-C-7	38 3.35	-79 12.12	1896.41	979835.613	5.03	-59.65
176-C-8	38 2.93	-79 12.63	1922.59	979833.032	5.52	-60.06
176-C-9	38 4.65	-79 10.62	1818.17	979842.327	2.49	-59.53
176-C-10	38 6.07	-79 9.07	1809.23	979844.321	1.57	-60.14
176-C-11	38 7.25	-79 7.53	1631.58	979853.863	-7.32	-62.97
176-C-12SE1	38 5.05	-79 8.80	1729.00	979847.022	-1.79	-60.76
176-C-13SE2	38 5.42	-79 12.47	1941.00	979835.456	6.05	-60.15
176-C-14SE3	38 6.97	-79 11.33	1826.00	979842.598	0.11	-62.17
176-C-15SE4	38 7.05	-79 13.55	1625.00	979850.530	-10.98	-66.41
176-C-16SE5	38 5.22	-79 14.58	1704.00	979844.407	-7.00	-65.12
176-C-17SE6	38 0.95	-79 13.43	2081.00	979822.231	12.51	-58.47
176-C-18SE7	38 2.20	-79 10.33	1857.00	979839.012	6.40	-56.94
176-D-1	38 6.73	-79 0.83	1279.11	979879.994	-13.59	-57.22
176-D-2	38 3.63	-79 1.68	1331.06	979872.275	-11.90	-57.30
176-D-3	38 1.95	-79 2.10	1421.34	979863.350	-9.88	-58.36
176-D-4	38 1.55	-79 0.17	1406.63	979864.242	-9.79	-57.76
176-D-5	38 3.23	-79 7.18	1533.99	979858.828	-5.68	-58.00
176-D-6	38 3.95	-79 6.53	1587.46	979857.184	-3.34	-57.48
176-D-7	38 4.32	-79 6.18	1625.81	979855.577	-1.87	-57.32
176-D-8	38 4.58	-79 6.05	1633.51	979855.359	-1.75	-57.47
176-D-9	38 4.67	-79 5.17	1491.82	979864.283	-6.28	-57.16
176-D-10	38 5.27	-79 5.58	1500.96	979863.975	-6.60	-57.80
176-D-11	38 5.53	-79 5.37	1486.25	979864.738	-7.61	-58.30
176-D-12	38 6.00	-79 4.78	1482.92	979864.878	-8.47	-59.04
176-D-13	38 6.88	-79 4.25	1568.56	979861.847	-4.73	-58.23
176-D-14	38 5.90	-79 4.32	1458.83	979866.506	-8.96	-58.72
176-D-15SE1	38 3.25	-79 4.15	1389.00	979868.452	-9.71	-57.09
176-D-16SE2	38 1.02	-79 3.95	1410.00	979852.564	-20.37	-68.46
176-D-17SE3	38 1.23	-79 7.03	1618.00	979847.121	-6.56	-61.75
176-D-18SE4	38 5.13	-79 1.17	1374.00	979871.627	-10.70	-57.56
177-A-1	38 14.33	-79 20.43	1806.65	979843.917	-11.15	-72.77
177-A-2	38 13.88	-79 21.17	1798.42	979843.351	-11.83	-73.17
177-A-3	38 13.63	-79 21.58	1756.24	979845.289	-13.49	-73.39
177-A-4	38 8.92	-79 22.18	2009.70	979824.847	-3.21	-71.75
177-A-5	38 8.50	-79 20.85	2640.10	979784.160	16.01	-74.03
177-A-6	38 7.97	-79 21.77	3181.54	979748.359	31.91	-76.59
177-A-7	38 13.23	-79 19.42	1937.90	979835.638	-5.47	-71.57
177-A-8	38 12.03	-79 20.15	2008.88	979829.846	-3.34	-71.85
177-A-9	38 10.63	-79 20.50	2389.78	979804.435	9.63	-71.88
177-A-10	38 10.40	-79 21.97	1906.47	979833.019	-6.91	-71.93
177-A-11	38 12.80	-79 17.75	2580.56	979797.150	17.12	-70.89

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
177-A-12	38 12.68	-79 16.30	2112.28	979822.944	-0.96	-73.00
177-A-13SE1	38 8.57	-79 16.78	1985.00	979827.457	-2.41	-70.11
177-A-14SE2	38 9.78	-79 16.02	2008.00	979827.770	-1.71	-70.20
177-A-15BR1	38 10.73	-79 15.18	1883.00	979836.484	-6.14	-70.36
177-B-1SE1	38 12.43	-79 23.17	1753.00	979843.696	-13.64	-73.43
177-B-2	38 11.68	-79 24.37	1735.89	979843.556	-14.26	-73.46
177-B-3	38 9.77	-79 28.02	2134.11	979816.362	-1.23	-74.02
177-B-4SE2	38 8.73	-79 28.87	2030.00	979821.293	-4.58	-73.82
177-B-5SE3	38 10.73	-79 26.88	1948.00	979828.100	-8.41	-74.85
177-B-6	38 9.53	-79 25.10	1695.35	979841.937	-16.59	-74.41
177-B-7	38 8.10	-79 25.53	1627.57	979845.621	-17.18	-72.69
177-B-8	38 10.07	-79 24.45	1660.84	979845.726	-16.82	-73.47
177-B-9	38 9.42	-79 22.57	1889.09	979833.066	-7.06	-71.49
177-C-1	38 4.68	-79 22.97	1526.34	979849.470	-17.87	-69.93
177-C-2	38 3.43	-79 24.78	1601.34	979843.657	-14.80	-69.42
177-C-3SE1	38 1.75	-79 27.10	1528.00	979845.748	-17.15	-69.27
177-C-4	38 0.42	-79 28.22	1447.42	979848.652	-19.88	-69.25
177-C-5	38 2.88	-79 23.38	1461.77	979851.451	-19.33	-69.19
177-C-6	38 3.37	-79 22.60	1489.32	979850.503	-18.40	-69.19
177-C-7	38 3.17	-79 23.60	1462.84	979851.667	-19.43	-69.32
177-C-8	38 4.50	-79 26.85	2183.66	979809.529	4.29	-70.19
177-C-9	38 5.15	-79 27.73	1522.78	979847.998	-20.36	-72.29
177-C-10	38 3.65	-79 28.48	1486.90	979849.395	-20.15	-70.86
177-C-11	38 2.27	-79 29.83	1480.38	979845.670	-22.47	-72.96
177-D-1SE1	38 7.50	-79 17.17	1822.00	979835.688	-7.95	-70.09
177-D-2	38 6.53	-79 20.03	1712.76	979841.215	-11.29	-69.71
177-D-3	38 7.43	-79 21.58	2118.34	979815.921	0.25	-72.00
177-D-4	38 5.38	-79 20.72	1566.56	979848.275	-16.30	-69.73
177-D-5	38 3.77	-79 21.43	1544.20	979848.112	-16.21	-68.87
177-D-6	38 2.82	-79 21.02	1998.00	979816.622	-3.63	-71.77
177-D-7	38 2.42	-79 20.93	2543.48	979783.565	15.21	-71.54
177-D-8	38 2.60	-79 19.73	2843.14	979763.790	23.35	-73.62
177-D-9	38 2.93	-79 18.62	2311.55	979802.412	11.48	-67.36
177-D-10	38 2.60	-79 18.32	2001.97	979823.295	3.73	-64.55
177-D-11	38 2.33	-79 17.85	2005.23	979825.731	6.87	-61.53
177-D-12	38 1.72	-79 17.10	1886.70	979834.852	5.74	-58.61
177-D-13	38 1.03	-79 16.63	1779.47	979840.052	1.85	-58.84
177-D-14	38 0.22	-79 20.28	1494.18	979850.914	-12.93	-63.90
177-D-15	38 0.28	-79 17.43	1728.04	979841.619	-0.33	-59.27
177-D-16	38 1.12	-79 16.07	1830.76	979836.417	2.92	-59.53
177-D-17	38 1.68	-79 15.22	1879.52	979833.353	3.61	-60.49
177-D-18	38 4.50	-79 15.40	1757.48	979840.922	-4.41	-64.35
177-D-19	38 4.03	-79 15.03	1801.28	979839.358	-1.17	-62.61
177-D-20	38 4.68	-79 16.43	2118.05	979816.799	5.12	-67.12
177-D-21	38 5.22	-79 16.42	2439.76	979794.918	12.72	-70.49
177-D-22	38 5.60	-79 16.57	2757.69	979774.406	21.55	-72.50
177-D-23	38 5.57	-79 17.23	2459.50	979793.427	12.57	-71.31
178-A-1	38 14.15	-79 35.65	1878.64	979836.668	-11.36	-75.43
178-A-2SE1	38 11.80	-79 34.30	1632.00	979846.469	-21.32	-76.99
178-A-3	38 10.70	-79 35.18	1611.49	979848.433	-19.68	-74.64
178-A-4	38 9.27	-79 35.98	1560.19	979849.447	-21.40	-74.61
178-A-5	38 7.80	-79 34.82	1878.86	979830.293	-8.44	-72.52
178-A-6	38 8.57	-79 35.57	1647.18	979844.588	-17.05	-73.23
178-A-7SE2	38 14.72	-79 32.63	2092.00	979823.515	-5.27	-76.62
178-B-1SE1	38 14.88	-79 40.77	2142.00	979817.704	-6.62	-79.68
178-B-2	38 13.67	-79 42.07	2106.90	979817.702	-8.15	-80.01
178-B-3	38 12.80	-79 42.92	2118.34	979815.728	-7.78	-80.03
178-B-4	38 12.28	-79 43.52	2101.38	979816.194	-8.16	-79.83
178-B-5	38 11.80	-79 43.90	2040.16	979818.558	-10.84	-80.42
178-B-6SE2	38 10.28	-79 44.35	2016.00	979818.001	-11.46	-80.22
178-B-7	38 8.57	-79 44.50	2699.00	979774.141	11.44	-80.62
178-B-8	38 8.20	-79 44.88	2462.92	979788.523	4.15	-79.86
178-B-9SE3	38 9.87	-79 42.33	3839.00	979703.848	46.47	-84.46
178-B-10	38 13.05	-79 40.82	2201.20	979811.075	-5.00	-80.08
178-B-11	38 13.20	-79 40.27	2275.97	979807.343	-1.92	-79.55
178-B-12SE4	38 13.83	-79 39.52	2452.00	979800.501	6.87	-76.76
178-B-13SE5	38 11.77	-79 41.45	2539.00	979789.267	6.84	-79.76

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
178-B-14	38 9.12	-79 41.18	2464.94	979790.747	5.22	-78.85
178-B-15	38 10.23	-79 39.75	2383.43	979799.970	5.15	-76.14
178-B-16	38 10.62	-79 38.87	2389.08	979801.900	7.05	-74.43
178-B-17	38 11.35	-79 38.52	2382.27	979803.379	6.82	-74.44
178-B-18	38 11.97	-79 37.85	2173.68	979816.261	-0.82	-74.96
178-B-19	38 9.63	-79 39.27	2268.21	979807.419	2.64	-74.73
178-B-20	38 8.02	-79 40.47	2041.02	979816.438	-7.35	-76.97
178-B-21	38 12.40	-79 39.98	2859.05	979772.488	19.24	-78.28
178-B-22	38 12.58	-79 39.23	3350.63	979741.731	34.45	-79.83
178-B-23	38 12.58	-79 38.85	2975.37	979766.448	23.87	-77.61
178-B-24	38 12.62	-79 38.28	2465.90	979797.502	6.96	-77.15
178-C-1	38 3.03	-79 43.37	1650.08	979830.711	-22.58	-78.86
178-C-2	38 3.98	-79 42.60	1677.78	979832.057	-20.02	-77.24
178-C-3	38 4.77	-79 41.90	1576.24	979839.188	-23.58	-77.34
178-C-4	38 5.75	-79 41.92	1696.92	979831.160	-21.69	-79.57
178-C-5	38 6.60	-79 41.82	1832.90	979824.895	-16.41	-78.92
178-C-6	38 7.28	-79 41.40	1959.32	979818.077	-12.33	-79.16
178-C-7	38 2.87	-79 42.52	1560.21	979837.758	-23.74	-76.96
178-C-8	38 4.00	-79 40.63	1517.45	979844.836	-22.34	-74.10
178-C-9	38 5.07	-79 39.25	1451.40	979850.416	-24.53	-74.03
178-C-10	38 6.10	-79 37.90	1473.15	979851.644	-22.76	-73.01
178-C-11	38 2.82	-79 41.70	1620.12	979836.676	-19.12	-74.38
178-C-12	38 2.63	-79 41.10	1441.52	979847.933	-24.39	-73.56
178-C-13	38 2.48	-79 40.20	1389.03	979851.505	-25.54	-72.92
178-C-14	38 2.10	-79 39.40	1357.04	979852.996	-26.50	-72.78
178-C-15	38 1.40	-79 38.78	1357.41	979852.855	-25.58	-71.88
178-C-16	38 0.83	-79 38.45	1340.56	979852.574	-26.62	-72.35
178-C-17	38 0.08	-79 37.97	1309.79	979853.055	-27.94	-72.62
178-C-18	38 1.05	-79 37.52	1413.70	979848.768	-23.86	-72.08
178-C-19	38 1.98	-79 42.20	1599.79	979837.244	-19.25	-73.81
178-C-20	38 1.20	-79 42.57	1607.33	979835.432	-19.21	-74.03
178-C-21	38 0.42	-79 42.87	1431.28	979845.228	-24.83	-73.64
178-D-1	38 6.72	-79 31.30	1874.25	979828.975	-8.61	-72.53
178-D-2	38 6.28	-79 32.17	1818.89	979832.710	-9.45	-71.48
178-D-3	38 5.92	-79 33.10	1757.25	979835.747	-11.67	-71.61
178-D-4	38 5.48	-79 33.95	1718.52	979837.609	-12.82	-71.43
178-D-5	38 6.25	-79 34.53	1721.77	979838.247	-13.00	-71.72
178-D-6	38 7.12	-79 34.75	1846.66	979832.084	-8.68	-71.66
178-D-7	38 4.83	-79 34.62	1597.46	979843.746	-17.12	-71.61
178-D-8	38 4.70	-79 35.82	1520.64	979847.788	-20.11	-71.98
178-D-9	38 4.53	-79 36.60	1516.70	979847.482	-20.54	-72.27
178-D-10	38 3.18	-79 36.80	1442.85	979849.701	-23.30	-72.51
178-D-11	38 2.32	-79 36.83	1405.35	979850.947	-24.32	-72.25
178-D-12	38 1.85	-79 37.30	1401.82	979850.548	-24.37	-72.18
178-D-13BR1	38 7.35	-79 36.45	1517.00	979849.430	-22.68	-74.42
178-D-14SE1	38 3.42	-79 34.47	1750.00	979830.650	-13.80	-73.49
178-D-15SE2	38 2.13	-79 35.38	1578.00	979841.132	-17.63	-71.45
178-D-16	38 5.02	-79 31.13	1942.85	979822.236	-6.41	-72.68
178-D-17	38 3.33	-79 32.15	1775.72	979830.461	-11.45	-72.02
178-D-18SE3	38 1.57	-79 33.02	1815.00	979826.484	-9.16	-71.06
178-D-19	38 0.10	-79 34.80	1638.71	979835.726	-14.36	-70.25
178-D-20	38 0.30	-79 33.07	1620.63	979836.167	-15.91	-71.18
178-D-21	38 0.72	-79 30.75	1456.76	979847.410	-20.69	-70.37
179-A-1BR1	38 14.97	-79 45.85	2209.00	979809.666	-8.48	-83.82
179-A-2SE1	38 12.93	-79 47.45	2105.00	979813.761	-11.19	-82.99
179-A-3	38 11.28	-79 49.32	2028.58	979816.358	-13.38	-82.56
179-A-4	38 8.07	-79 51.93	1837.00	979822.277	-20.78	-83.43
179-A-5	38 10.55	-79 50.02	1938.00	979821.155	-16.03	-82.13
179-A-6SE2	38 9.98	-79 45.25	2022.00	979818.439	-10.01	-78.98
179-B-1	38 14.18	-79 54.62	2487.71	979794.774	3.99	-80.86
179-B-2	38 13.05	-79 55.47	2412.75	979798.233	2.05	-80.24
179-B-3SE1	38 12.13	-79 56.48	2369.00	979798.268	-0.69	-81.49
179-B-4	38 11.15	-79 57.43	2401.57	979794.997	0.54	-81.37
179-B-5	38 9.78	-79 58.90	2332.40	979797.970	-1.00	-80.55
179-B-6	38 8.40	-79 55.77	2586.55	979781.904	8.86	-79.36
179-C-1	38 5.97	-79 59.33	1766.91	979825.597	-20.99	-81.25
179-C-2	38 7.43	-79 57.10	2438.98	979790.149	4.64	-78.55

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
179-C-3SE1	38 1.83	-79 56.57	1786.00	979817.460	-21.30	-82.21
179-C-4	38 0.58	-79 57.47	1675.78	979821.951	-25.35	-82.51
179-C-5	38 1.70	-79 54.38	1592.45	979829.607	-27.16	-81.47
179-C-6	38 0.60	-79 52.52	1807.78	979817.764	-17.15	-78.80
179-D-1	38 6.68	-79 45.88	2229.90	979801.400	-2.68	-78.74
179-D-2	38 5.33	-79 47.15	2164.38	979803.317	-4.96	-78.78
179-D-3	38 5.92	-79 48.97	1828.71	979823.374	-17.32	-79.70
179-D-4	38 3.80	-79 49.73	1854.75	979819.956	-15.20	-78.46
179-D-5	38 3.58	-79 48.62	1981.84	979812.474	-10.41	-78.01
179-D-6	38 3.23	-79 46.80	2331.81	979791.220	1.76	-77.77
179-D-7SE1	38 5.90	-79 50.90	2439.00	979787.263	3.99	-79.19
179-D-8	38 2.75	-79 51.90	1687.75	979827.813	-21.52	-79.09
179-D-9SE2	38 1.92	-79 50.65	1857.00	979817.196	-15.00	-78.34
179-D-10	38 1.32	-79 48.33	2415.34	979783.850	5.04	-77.34
179-D-11	38 1.93	-79 48.03	2425.70	979784.222	5.49	-77.24
179-D-12	38 3.00	-79 45.13	2264.28	979795.047	-0.42	-77.65
179-D-13	38 6.98	-79 52.37	1791.99	979825.056	-20.65	-81.77
189-A-1	38 29.73	-79 1.17	1532.46	979892.242	-11.14	-63.41
189-A-2	38 29.72	-79 2.40	1585.30	979888.792	-9.60	-63.67
189-A-3	38 28.93	-79 1.72	1504.05	979891.998	-12.89	-64.19
189-A-4	38 28.35	-79 2.17	1518.01	979890.046	-12.67	-64.45
189-A-5	38 27.78	-79 3.25	1486.15	979891.073	-13.81	-64.50
189-A-6	38 27.13	-79 3.62	1397.72	979895.091	-17.16	-64.83
189-A-7	38 25.67	-79 3.52	1390.68	979892.419	-18.35	-65.78
189-A-8	38 26.47	-79 7.37	1725.80	979872.041	-8.37	-67.24
189-A-9	38 25.23	-79 2.55	1327.24	979894.818	-21.28	-66.55
189-A-10	38 24.05	-79 2.05	1271.45	979895.119	-24.50	-67.86
189-A-11	38 23.13	-79 0.90	1222.70	979899.731	-23.13	-64.83
189-A-12	38 22.50	-79 1.02	1235.32	979900.300	-20.45	-62.58
189-A-13	38 23.22	-79 0.60	1234.87	979899.637	-22.20	-64.32
189-A-14	38 28.43	-79 4.95	1780.75	979872.072	-6.05	-66.79
189-A-15	38 29.60	-79 4.87	2281.19	979845.376	12.61	-65.19
189-A-16	38 29.98	-79 6.18	2103.69	979855.217	5.20	-66.55
189-A-17SE1	38 24.33	-79 5.30	1422.00	979887.335	-18.53	-67.03
189-A-18SE2	38 26.10	-79 4.78	1484.00	979887.399	-15.22	-65.84
189-B-1	38 23.87	-79 9.32	1780.88	979863.874	-7.55	-68.30
189-B-2	38 24.98	-79 8.63	1953.44	979855.911	-0.92	-67.55
189-B-3	38 27.07	-79 9.62	2048.03	979852.273	1.28	-68.57
189-B-4	38 27.73	-79 11.00	2509.94	979826.544	18.03	-67.58
189-B-5	38 28.45	-79 12.08	3031.67	979797.090	36.60	-66.80
189-B-6	38 26.43	-79 8.20	1809.26	979865.688	-6.83	-68.54
189-B-7	38 28.37	-79 14.10	3945.14	979737.754	63.31	-71.25
189-B-8	38 27.75	-79 14.52	4396.88	979703.286	72.24	-77.73
189-B-9	38 24.57	-79 11.67	1986.55	979850.982	-2.13	-69.88
189-B-10	38 25.88	-79 13.12	2351.20	979831.563	10.83	-69.36
189-B-11	38 29.45	-79 12.82	3906.00	979744.212	64.50	-68.72
189-C-1	38 15.50	-79 11.50	1539.05	979863.923	-18.02	-70.51
189-C-2	38 16.50	-79 11.97	1593.01	979862.917	-15.41	-69.74
189-C-3	38 16.85	-79 12.80	1645.49	979859.631	-14.27	-70.39
189-C-4	38 17.00	-79 13.78	1694.12	979856.571	-12.98	-70.76
189-C-5	38 17.50	-79 13.13	1907.96	979846.096	-4.07	-69.14
189-C-6	38 17.67	-79 12.25	1737.22	979856.238	-10.23	-69.48
189-C-7	38 18.05	-79 11.55	1659.75	979861.343	-12.97	-69.58
189-C-8	38 18.55	-79 10.40	1637.00	979864.008	-13.18	-69.01
189-C-9	38 17.33	-79 7.85	1508.17	979866.972	-20.55	-71.99
189-C-10	38 16.75	-79 8.28	1499.96	979867.890	-19.55	-70.71
189-C-11	38 16.15	-79 9.07	1506.93	979869.025	-16.89	-68.28
189-C-12	38 19.05	-79 9.60	1610.98	979866.712	-13.65	-68.60
189-C-13	38 19.80	-79 9.08	1524.73	979873.374	-16.20	-68.20
189-C-14	38 20.62	-79 8.73	1543.21	979874.058	-14.97	-67.61
189-C-15	38 21.28	-79 9.08	1527.23	979875.321	-16.19	-68.28
189-C-16	38 22.23	-79 9.78	1601.90	979870.970	-14.90	-69.54
189-C-17	38 21.62	-79 21.82	1949.46	979849.317	-2.96	-69.45
189-C-18	38 20.83	-79 13.28	1938.48	979847.969	-4.20	-70.31
189-C-19	38 20.28	-79 14.10	2122.02	979836.559	2.46	-69.92
189-C-20	38 20.13	-79 14.68	2081.64	979838.693	1.02	-69.98
189-D-1	38 21.47	-79 1.80	1259.42	979897.038	-19.93	-62.88

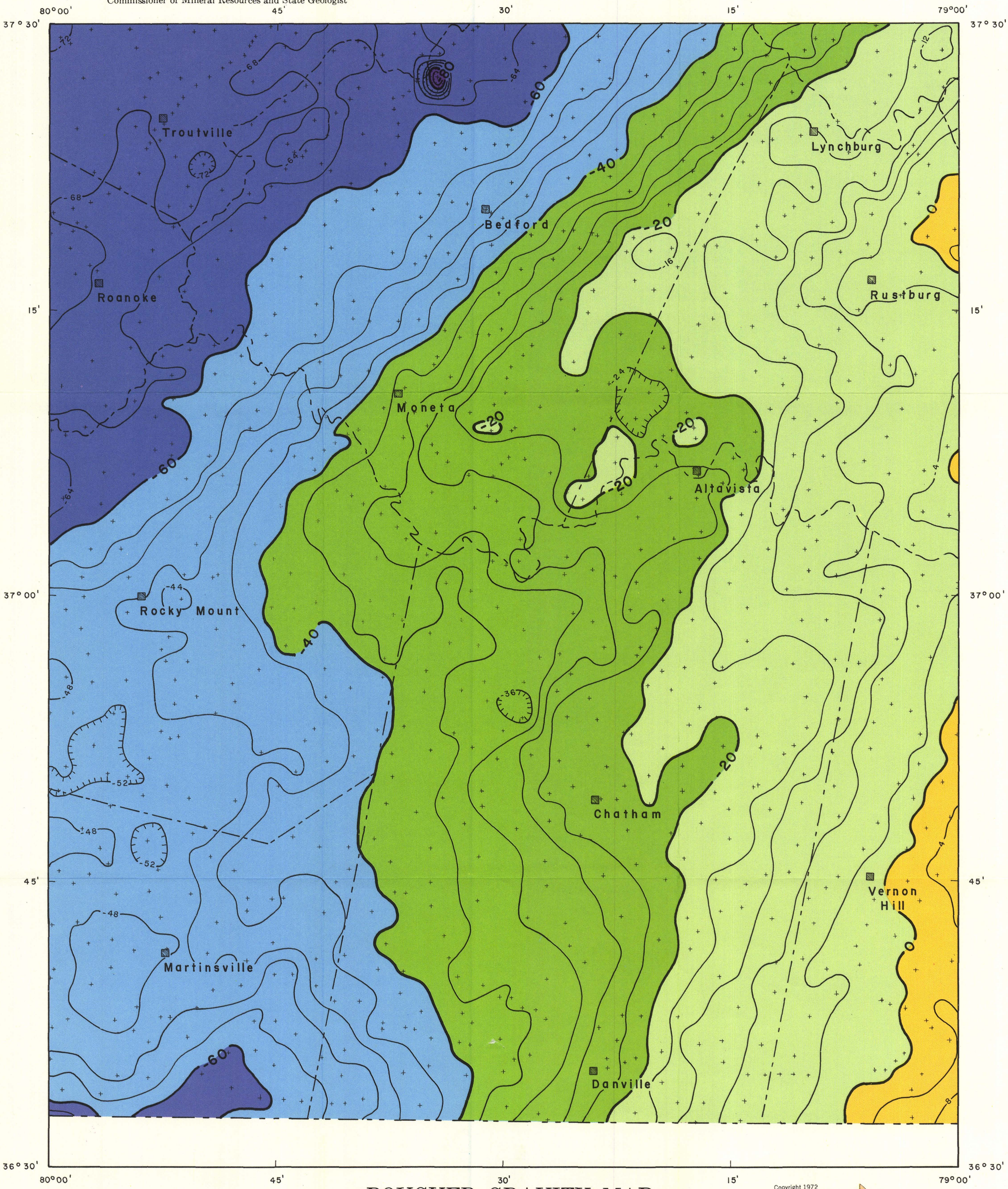
Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
189-D-2	38 20.75	-79 2.22	1331.87	979892.470	-16.63	-62.06
189-D-3	38 19.92	-79 3.12	1357.86	979888.817	-16.62	-62.94
189-D-4	38 19.40	-79 3.90	1400.55	979882.760	-17.91	-65.68
189-D-5	38 19.72	-79 4.68	1444.13	979876.987	-20.05	-69.30
189-D-6	38 20.68	-79 5.15	1322.33	979884.701	-25.20	-70.30
189-D-7	38 18.53	-79 6.27	1461.37	979874.222	-19.46	-69.30
189-D-8	38 16.43	-79 5.60	1409.83	979880.033	-15.43	-63.51
189-D-9	38 16.23	-79 4.12	1579.55	979870.065	-9.14	-63.01
189-D-10	38 15.73	-79 3.28	1508.27	979874.148	-11.03	-62.47
189-D-11	38 15.90	-79 2.02	1386.23	979880.608	-16.29	-63.57
189-D-12	38 16.95	-79 0.93	1401.20	979881.508	-15.52	-63.31
189-D-13SE1	38 18.90	-79 1.37	1436.00	979882.857	-13.75	-62.72
189-D-14SE2	38 21.68	-79 3.85	1442.00	979881.736	-18.37	-67.56
189-D-15SE3	38 21.92	-79 7.40	1494.00	979879.667	-15.89	-66.85
190-A-1	38 24.15	-79 17.25	2707.96	979805.861	21.22	-71.14
190-A-2	38 24.73	-79 18.42	2978.78	979793.125	33.10	-68.49
190-A-3	38 25.18	-79 17.20	3659.80	979750.096	53.44	-71.38
190-A-4	38 26.50	-79 15.93	3880.01	979738.579	60.74	-71.59
190-A-5	38 27.20	-79 15.20	3929.35	979738.379	64.16	-69.86
190-A-6	38 25.42	-79 18.85	2403.66	979828.722	13.60	-68.38
190-A-7BR1	38 26.60	-79 17.83	2445.00	979828.925	15.96	-67.43
190-A-8SE1	38 28.05	-79 16.83	2398.00	979835.946	16.44	-65.35
190-A-9	38 24.87	-79 19.72	2509.25	979821.862	17.48	-68.10
190-A-10	38 24.07	-79 20.35	2506.46	979820.572	17.10	-68.39
190-A-11	38 23.17	-79 21.28	2430.80	979822.598	13.33	-69.58
190-A-12	38 25.57	-79 19.93	2229.37	979839.648	7.92	-68.12
190-A-13	38 25.35	-79 22.30	2146.42	979844.268	5.05	-68.16
190-A-14	38 26.63	-79 21.53	2067.60	979851.565	3.06	-67.46
190-B-1	38 22.92	-79 29.70	2546.72	979813.391	15.39	-71.47
190-B-2SE1	38 24.43	-79 27.03	2379.00	979827.945	11.95	-69.19
190-B-3SE2	38 24.47	-79 25.15	2652.00	979811.074	20.71	-69.75
190-B-4	38 23.55	-79 23.80	2396.58	979826.152	13.10	-68.64
190-B-5	38 25.85	-79 26.75	2513.88	979821.690	16.30	-69.44
190-B-6	38 25.40	-79 28.70	2939.25	979795.277	30.56	-69.69
190-B-7	38 25.93	-79 29.60	3605.69	979755.262	52.45	-70.53
190-B-8	38 26.62	-79 25.82	2543.58	979821.729	18.02	-68.74
190-B-9	38 26.25	-79 24.58	2783.13	979809.311	28.67	-66.26
190-B-10	38 26.28	-79 23.82	2830.84	979804.036	27.83	-68.72
190-B-11	38 26.00	-79 23.80	2507.82	979824.449	18.27	-67.26
190-B-12	38 27.03	-79 27.00	2808.87	979805.226	25.86	-69.95
190-B-13	38 27.93	-79 26.55	2666.09	979816.912	22.79	-68.14
190-C-1	38 20.12	-79 29.47	2107.45	979833.135	-2.09	-73.97
190-C-2	38 19.90	-79 29.32	2085.48	979833.644	-3.33	-74.46
190-C-3	38 18.72	-79 23.23	2593.77	979802.095	14.66	-73.81
190-C-4	38 19.37	-79 24.72	2081.48	979835.543	-1.03	-72.02
190-C-5	38 20.33	-79 23.45	2126.40	979833.723	-0.04	-72.56
190-C-6	38 22.20	-79 24.47	2175.56	979835.183	3.32	-70.89
190-C-7	38 20.85	-79 25.60	2125.38	979835.304	0.69	-71.80
190-C-8SE1	38 19.22	-79 27.58	2733.00	979794.056	18.99	-74.23
190-C-9SE2	38 17.33	-79 28.57	1896.00	979840.894	-10.15	-74.82
190-D-1	38 16.75	-79 16.22	1876.73	979844.593	-7.41	-71.42
190-D-2	38 16.20	-79 18.50	1889.15	979842.575	-7.46	-71.89
190-D-3	38 16.57	-79 19.05	1962.52	979838.365	-5.30	-72.24
190-D-4	38 17.17	-79 20.47	2068.50	979831.903	-2.67	-73.22
190-D-5	38 18.40	-79 21.80	2252.01	979821.462	2.34	-74.47
190-D-6	38 17.78	-79 17.53	1994.55	979839.080	-3.35	-71.38
190-D-7	38 19.55	-79 16.90	2198.54	979830.132	4.30	-70.68
190-D-8	38 20.98	-79 15.25	2181.30	979834.691	5.14	-69.25
190-D-9SE1	38 22.12	-79 16.45	2357.00	979823.884	9.21	-71.18
191-A-1	38 24.47	-79 33.20	3405.79	979762.749	43.28	-72.88
191-A-2 BASE	38 24.72	-79 34.75	2881.42	979795.330	26.17	-72.10
191-A-3	38 27.88	-79 31.35	2416.60	979830.968	13.46	-68.97
191-A-4	38 28.93	-79 30.57	2327.01	979838.865	11.39	-67.98
191-A-5	38 29.97	-79 33.28	2538.65	979830.563	21.48	-65.11
191-A-6	38 28.00	-79 35.75	2751.19	979809.861	23.65	-70.18
191-A-7	38 26.13	-79 35.63	3894.65	979735.313	59.39	-73.44
191-A-8	38 25.47	-79 35.98	3538.58	979756.872	48.43	-72.26

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
191-A-9SE1	38 25.88	-79 39.62	2759.00	979804.737	22.36	-71.74
191-A-10SE2	38 23.02	-79 36.35	2700.00	979799.182	15.45	-76.64
191-A-11	38 22.95	-79 32.98	2827.01	979794.877	23.19	-73.23
191-A-12	38 29.77	-79 36.82	2972.34	979796.421	28.43	-72.95
191-B-1	38 26.97	-79 39.28	3137.85	979780.563	32.24	-74.79
191-B-2	38 27.42	-79 40.43	3710.75	979747.413	52.31	-74.25
191-B-3	38 27.95	-79 41.60	4222.97	979716.417	68.72	-75.32
191-B-4	38 29.30	-79 41.88	3802.36	979745.740	56.50	-73.19
191-B-5	38 29.70	-79 43.85	3780.73	979747.532	55.67	-73.28
191-B-6SE1	38 23.48	-79 39.60	2873.00	979787.979	19.84	-78.15
191-B-7SE2	38 23.40	-79 38.67	2973.00	979784.181	25.57	-75.83
191-B-8	38 22.55	-79 39.85	2793.41	979792.913	18.65	-76.63
191-B-9	38 22.62	-79 38.43	2683.86	979798.625	13.96	-77.58
191-B-10	38 25.40	-79 40.08	2984.97	979785.700	25.29	-76.52
191-B-11	38 22.82	-79 41.52	2656.18	979798.022	10.46	-80.13
191-C-1	38 17.18	-79 44.83	2285.38	979809.625	-4.58	-82.52
191-C-2	38 18.35	-79 43.33	2387.46	979806.173	-0.13	-81.56
191-C-3	38 18.87	-79 42.60	2489.31	979799.574	2.09	-82.81
191-C-4	38 19.58	-79 42.10	2556.16	979796.683	4.44	-82.74
191-C-5	38 20.35	-79 41.78	2706.44	979791.075	11.85	-80.46
191-C-6	38 20.97	-79 41.17	2806.65	979787.289	16.59	-79.14
191-C-7	38 21.68	-79 40.53	2944.63	979780.611	21.84	-78.59
191-C-8	38 22.17	-79 37.55	2601.45	979803.587	11.83	-76.90
191-C-9	38 21.27	-79 37.95	2526.43	979806.653	9.16	-77.01
191-C-10	38 20.58	-79 38.10	2486.16	979807.848	7.56	-77.23
191-C-11	38 19.77	-79 38.22	2448.94	979808.799	6.21	-77.32
191-C-12	38 18.97	-79 38.98	2357.98	979813.035	3.06	-77.37
191-C-13	38 17.90	-79 39.80	2306.91	979813.746	0.52	-78.16
191-C-14	38 17.20	-79 39.72	2253.23	979814.631	-2.62	-79.47
191-C-15	38 17.90	-79 38.65	2396.28	979809.284	4.47	-77.26
191-C-16	38 16.42	-79 40.22	2239.89	979813.296	-4.06	-80.46
191-D-1	38 21.45	-79 32.93	2553.38	979805.699	10.47	-76.62
191-D-2	38 20.60	-79 31.18	2278.97	979822.621	2.82	-74.91
191-D-3	38 19.63	-79 31.85	2258.32	979822.445	2.12	-74.91
191-D-4	38 18.42	-79 31.02	1988.70	979837.668	-6.24	-74.07
191-D-5	38 17.83	-79 31.18	1993.19	979835.495	-7.14	-75.12
191-D-6	38 17.23	-79 31.93	1939.34	979837.388	-9.43	-75.58
191-D-7	38 16.18	-79 32.58	1886.84	979839.061	-11.16	-75.52
191-D-8SE1	38 22.25	-79 37.27	2602.00	979803.271	11.44	-77.30
191-D-9	38 21.43	-79 30.23	2340.61	979822.339	7.12	-72.71
191-D-10SE2	38 15.18	-79 30.43	1763.00	979842.094	-18.32	-78.45
191-D-11	38 19.73	-79 33.40	2492.36	979805.792	7.33	-77.67
191-D-12	38 19.98	-79 33.92	2896.80	979784.302	23.52	-75.28
191-D-13	38 19.87	-79 35.00	3516.26	979745.698	43.35	-76.58
191-D-14	38 19.22	-79 32.58	2337.44	979816.442	4.17	-75.56
191-D-15	38 18.32	-79 37.43	2499.31	979802.736	7.00	-78.24
192-D-1SE1	38 17.57	-79 48.30	3144.00	979762.915	28.92	-78.32
192-D-2	38 15.95	-79 47.77	4477.60	979669.306	63.11	-89.61
192-D-3BR1	38 16.90	-79 49.57	2832.00	979777.342	14.97	-81.62
192-D-4BR2	38 16.35	-79 51.18	2685.00	979786.440	11.05	-80.53
192-D-5	38 18.35	-79 52.03	2719.73	979788.122	13.07	-79.69
192-D-6	38 20.00	-79 51.42	2625.38	979794.936	8.60	-80.95
192-D-7	38 21.28	-79 51.98	2491.90	979806.669	5.90	-79.09
192-D-8SE2	38 22.37	-79 48.62	2769.00	979793.580	17.29	-77.15
192-D-9	38 15.35	-79 45.72	2220.44	979810.112	-7.52	-83.25
201-A-1	38 39.73	-79 0.85	1540.92	979905.860	-11.38	-63.94
201-A-2	38 39.08	-79 2.28	1747.00	979891.805	-5.10	-64.69
201-A-3	38 38.92	-79 3.08	1955.82	979879.473	2.45	-64.25
201-A-4	38 39.22	-79 3.78	2496.54	979846.102	19.50	-65.65
201-A-5	38 39.63	-79 4.08	2854.26	979824.464	30.90	-66.45
201-A-6	38 39.70	-79 5.20	3402.21	979794.474	52.36	-63.68
201-A-7	38 39.53	-79 5.27	3554.46	979784.009	56.46	-64.78
201-A-8	38 38.40	-79 5.22	3525.10	979782.207	53.55	-66.68
201-A-9	38 39.33	-79 6.17	3673.09	979777.394	61.29	-63.99
201-A-10	38 39.50	-79 7.20	3657.10	979778.135	60.29	-64.45
201-A-11	38 39.87	-79 5.60	3463.10	979791.215	54.58	-63.54
201-A-12	38 40.87	-79 5.23	3538.03	979787.933	56.88	-63.79

Station Number	Latitude	Longitude	Elevation	Observed Gravity	Free Air Gravity	Bouguer Gravity
201-A-13	38 41.50	-79 5.45	4035.54	979754.428	69.24	-68.40
201-B-1	38 37.55	-79 14.67	1587.07	979903.265	-6.44	-60.57
201-B-2	38 38.45	-79 13.82	1543.37	979906.874	-8.26	-60.90
201-B-3	38 39.57	-79 12.83	1533.43	979910.197	-7.51	-59.81
201-B-4	38 39.45	-79 14.28	1959.66	979884.421	6.98	-59.86
201-B-5	38 40.73	-79 12.23	1630.38	979906.541	-3.75	-59.36
201-B-6	38 41.70	-79 11.28	1445.51	979918.591	-10.51	-59.81
201-B-7	38 41.53	-79 10.00	1584.85	979909.286	-6.46	-60.52
201-B-8	38 42.88	-79 8.83	1757.07	979901.228	-0.30	-60.23
201-B-9	38 43.80	-79 8.47	1632.13	979909.520	-5.11	-60.78
201-B-10	38 44.65	-79 8.07	1526.24	979917.035	-8.80	-60.86
201-B-11	38 42.65	-79 11.57	2004.89	979886.943	9.06	-59.32
201-B-12	38 39.30	-79 7.68	3693.69	979773.764	59.65	-66.33
201-B-13	38 38.50	-79 8.22	3758.82	979767.565	60.75	-67.45
201-B-14	38 38.00	-79 8.58	3620.81	979776.611	57.55	-65.95
201-C-1	38 34.80	-79 8.17	2691.57	979827.948	26.17	-65.63
201-C-2	38 35.03	-79 9.52	3215.24	979796.890	44.03	-65.64
201-C-3	38 34.72	-79 10.12	3452.00	979782.307	52.18	-65.56
201-C-4	38 35.57	-79 10.15	2880.68	979818.468	33.35	-64.90
201-C-5	38 36.12	-79 11.10	2203.37	979862.775	13.14	-62.00
201-C-6	38 36.42	-79 12.60	1793.10	979888.654	-0.01	-61.16
201-C-7	38 37.33	-79 14.20	1626.79	979900.559	-5.09	-60.57
201-C-8	38 37.22	-79 9.07	3652.84	979772.660	57.76	-66.83
201-C-9	38 36.28	-79 9.28	3570.29	979777.537	56.24	-65.53
201-C-10	38 33.77	-79 10.68	3669.58	979765.902	57.63	-67.53
201-C-11	38 30.43	-79 12.68	4344.03	979713.880	73.93	-74.23
201-D-1	38 31.15	-79 0.02	1547.81	979893.173	-10.84	-63.63
201-D-2	38 30.03	-79 0.77	1508.91	979894.209	-11.83	-63.29
201-D-3	38 30.63	-79 2.90	1685.95	979882.662	-7.60	-65.11
201-D-4	38 32.97	-79 4.08	1828.37	979876.406	-3.88	-66.24
201-D-5	38 33.97	-79 5.25	1957.99	979871.524	1.96	-64.82
201-D-6	38 34.68	-79 6.78	2049.71	979867.069	5.09	-64.82
201-D-7	38 33.12	-79 0.43	2269.19	979850.904	11.86	-65.53
201-D-8	38 34.12	-79 0.68	2774.60	979822.780	29.81	-64.82
201-D-9	38 34.53	-79 1.60	3337.87	979788.594	48.00	-65.85
201-D-10	38 35.22	-79 3.73	3453.90	979781.878	51.19	-66.61
201-D-11	38 37.43	-79 4.15	3572.39	979779.256	56.47	-65.38
201-D-12	38 36.55	-79 3.13	3298.06	979794.625	47.33	-65.16
203-C-1	38 31.43	-79 38.28	3215.73	979784.776	37.23	-72.44
203-C-2	38 30.57	-79 39.23	3343.21	979775.055	40.77	-73.25
203-C-3	38 30.67	-79 40.17	3653.94	979757.982	52.78	-71.84
203-C-4	38 31.15	-79 40.48	3367.30	979775.471	42.60	-72.25
203-C-5	38 31.37	-79 41.13	3191.54	979786.135	36.41	-72.44
203-C-6SE1	38 32.40	-79 40.13	3602.00	979764.953	52.33	-70.53
203-C-7SE2	38 33.23	-79 40.05	3666.00	979763.030	55.20	-69.83
203-C-8SE3	38 34.57	-79 39.38	3645.00	979767.229	55.47	-68.85
203-C-9	38 35.83	-79 38.82	3854.53	979757.146	63.24	-68.22
203-D-1	38 30.73	-79 32.88	2634.73	979825.638	24.47	-65.39
203-D-2	38 31.63	-79 32.13	2865.01	979813.742	32.92	-64.80
203-D-3	38 32.37	-79 30.68	2833.79	979816.459	31.62	-65.03
203-D-4	38 33.80	-79 30.57	3384.51	979787.117	51.98	-63.45
203-D-5	38 31.25	-79 34.18	2693.18	979820.468	24.04	-67.81
203-D-6	38 32.28	-79 33.92	2848.10	979811.963	28.59	-68.55
203-D-7	38 33.47	-79 34.00	2752.89	979816.915	22.86	-71.04
203-D-8	38 34.15	-79 34.25	2508.76	979831.771	13.75	-71.82
203-D-9	38 30.45	-79 34.65	2733.72	979816.540	25.10	-68.14
203-D-10	38 30.23	-79 35.60	3159.08	979787.544	36.43	-71.32
203-D-11	38 30.05	-79 36.07	3649.59	979755.037	50.33	-74.15
203-D-12	38 30.27	-79 36.93	3265.71	979780.870	39.74	-71.65
203-D-13	38 30.88	-79 37.03	3596.27	979762.194	51.25	-71.41
203-D-14SE1	38 35.27	-79 37.00	3612.00	979768.228	52.34	-70.85
203-D-15	38 35.30	-79 36.40	2984.77	979803.942	29.01	-72.79
212-D-1	38 45.10	-79 0.30	1605.35	979911.996	-7.06	-61.81
212-D-2	38 45.50	-79 2.63	2060.95	979884.592	7.80	-62.49
212-D-3	38 45.13	-79 4.10	3018.84	979825.903	39.75	-63.21

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
DIVISION OF MINERAL RESOURCES
James L. Calver
Commissioner of Mineral Resources and State Geologist

SHEET 4



EXPLANATION

Machine contoured map; reduction density, 2.67 g/cm^3; datum, 980. 118,000 milligals; no terrain correction; gravity station indicated by +.

Milligals

−100 −80 −60 −40 −20 0 20

BOUGUER GRAVITY MAP

SHEET 4, VIRGINIA

By Stanley S. Johnson and Arthur S. Pearson

5 0 5 10 Miles

CONTOUR INTERVAL 4 MILLIGALS

1972

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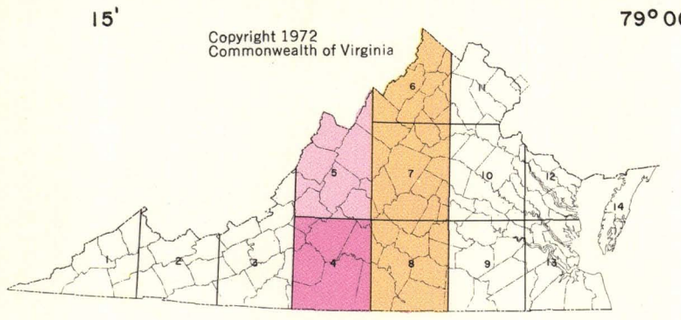

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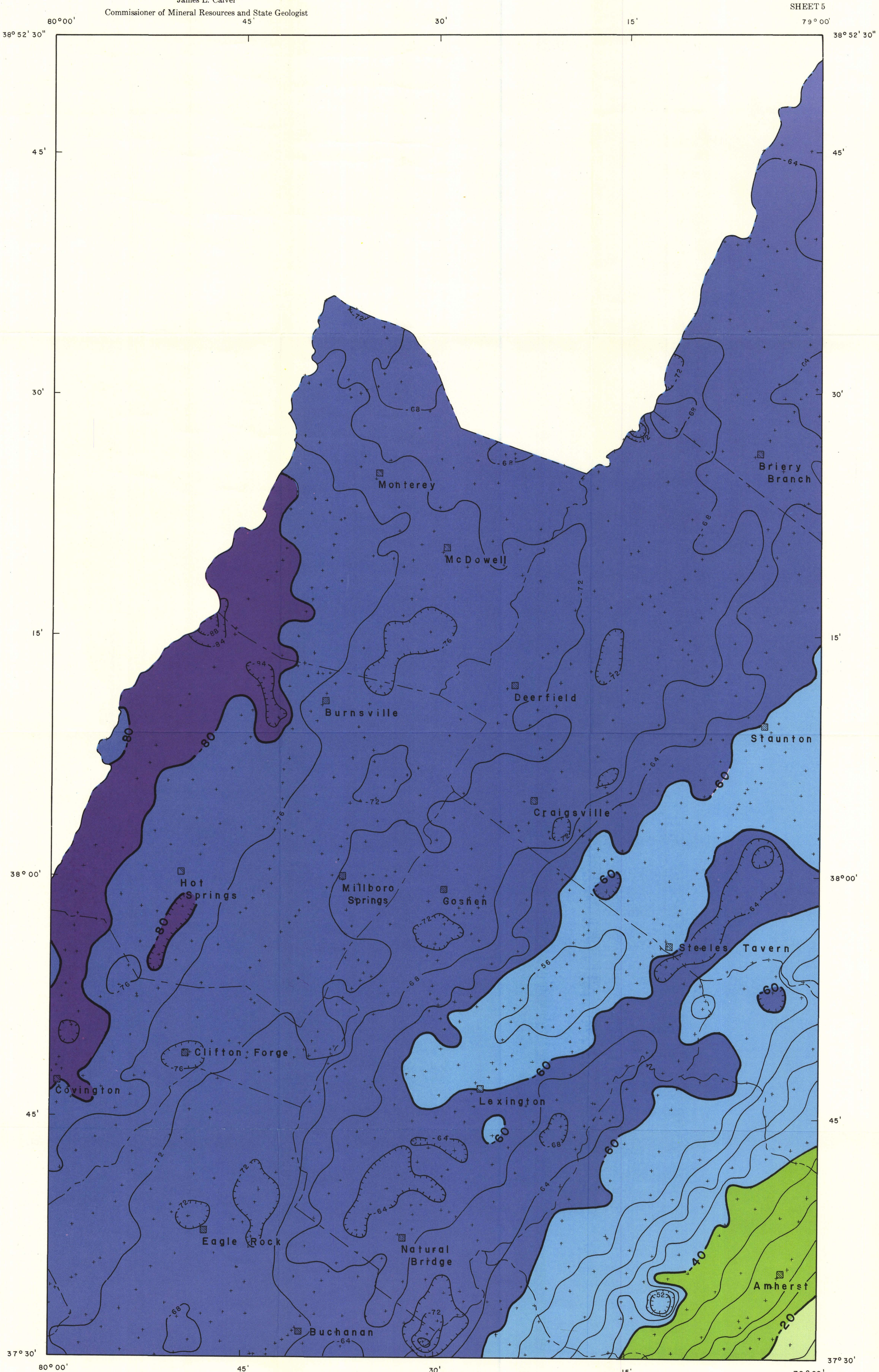
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
DIVISION OF MINERAL RESOURCES
James L. Calver
Commissioner of Mineral Resources and State Geologist

SHEET 5



EXPLANATION

Machine contoured map; reduction density, 2.67 g/cm^3; datum, 980, 118.000 milligals; no terrain correction; gravity station indicated by +.

Milligals

−100 −80 −60 −40 −20 0

BOUGUER GRAVITY MAP

SHEET 5, VIRGINIA

By Stanley S. Johnson and Arthur S. Pearson

5 0 5 10 Miles

CONTOUR INTERVAL 4 MILLIGALS

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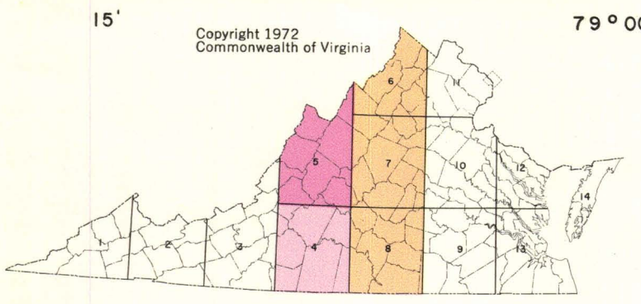

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