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

BOUGUER GRAVITY IN SOUTHEASTERN VIRGINIA

STANLEY S. JOHNSON

REPORT OF INVESTIGATIONS 39

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

CHARLOTTESVILLE, VIRGINIA
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RICHMOND
1975

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Johnson, S. S., 1975, Bouguer gravity in Virginia: Virginia Division of Mineral Resources Rept. Inv. 39, 42 p.

ERRATA

Virginia Division of Mineral Resources
Report of Investigations 39

Page following title page, line 1 of reference should read "Johnson, S. S., 1975, Bouguer gravity in southeastern Virginia:"

Page 29, last line of principal facts should read:

3-A-7	36 37.82	-76 16.52	18.50	979862.881	-20.38	-21.01

Page 29, add three lines of principal facts:

3-C-1	36 33.03	-76 22.62	22.30	979875.151	-.87	-1.63
3-D-1SE1	36 35.85	-76 22.42	19.00	979873.419	-6.97	-7.61
3-D-2SE2	36 35.98	-76 20.48	12.00	979870.146	-11.09	-11.50

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BOUGUER GRAVITY IN SOUTHEASTERN VIRGINIA

By

Stanley S. Johnson

ABSTRACT

An area of approximately 6,800 square miles (17,612 sq km) in Virginia extending from 78°00′ west longitude east to the Atlantic Ocean and Chesapeake Bay and from 37°30′ north latitude south to the Virginia-North Carolina boundary was surveyed using gravimeter methods. A total of 1,901 stations, such as bench-mark, checked spot, and bridge elevations were occupied. The reduced field data were computer-contoured. The survey included areas in the Piedmont and Coastal Plain physiographic provinces. Precambrian and Paleozoic metamorphic and igneous rocks and Triassic sedimentary rocks are present west of the Fall Line. Cretaceous through Quaternary sand, gravel, and clay are present east of the Fall Line; these units overlie an igneous and metamorphic "basement" that contains Triassic rocks preserved in buried basins.

The Bouguer map indicates three main regional trends throughout the area. The main trends shown are north, northwest, and northeast with the latter one being confined to the eastern part of the survey area. Several large positive and negative anomalies are indicated from the contour map. These features are attributed to changes in "basement" lithology. The gravity data suggest the presence of two basins, one northwest of Portsmouth in the vicinity of the Nansemond River and one at Back Bay. The gravity data were found to correlate with the aeromagnetic data available for the survey area. Based on the gravity and magnetic control it appears that the data reflect a lithologically complex "basement" and not one having abnormal "basement" relief.

INTRODUCTION

The area of this gravity report consists of approximately 6,800 square miles (17,612 sq km) in Virginia extending from 78°00′ west longitude east to the Atlantic Ocean and Chesapeake Bay and from 37°30′ north latitude south to the Virginia-North Carolina boundary. The gravity map of this report consists of Sheets 9 and 13 and is east and south of the report areas of Johnson (1971, 1973) (Figure 1).

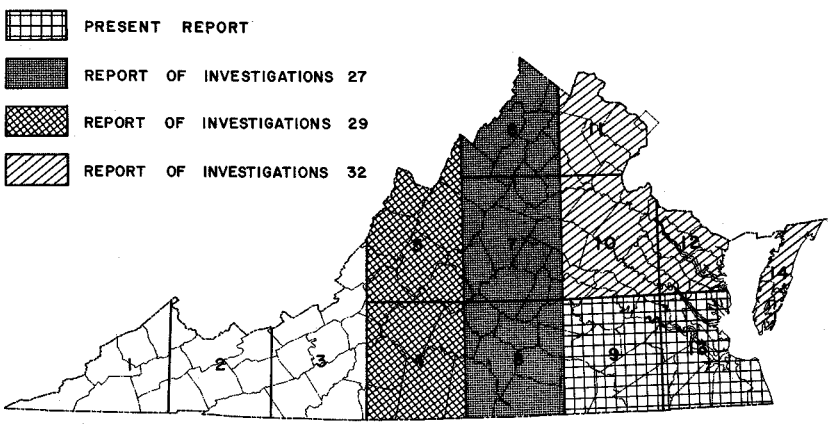


Figure 1. Location map showing area of investigation.

The regional gravity survey is part of the Division of Mineral Resources' geophysical program to obtain data that will aid in the interpretation of the geological framework of Virginia. Gravity methods are used predominantly in regional surveys to help determine the location of anomalous areas that may be further investigated by geological and other geophysical techniques. The variations in the earth's gravity field are caused by the latitude of the area, elevation, local terrain, earth tides, and rock density. The detail to which geologic features are determined depends in part on the number and distribution of gravity stations that are occupied in the field.

The contours (Sheets 9, 13) have been traced from those that were originally computer-contoured. A computer program written for the United States Air Force by Snowden (1970) was used to grid and contour the gravity data. Minor adjustments

and smoothing procedures were followed in order to achieve matching of contours of adjacent maps and to remove minor angularities.

The writer appreciates the aid of members of the Virginia Division of Mineral Resources staff who contributed to the project. Many discussions were held with Robert A. Teifke concerning the subsurface stratigraphy; most of the data regarding the specific formation tops are the result of his work. Robert A. Moore occupied stations in the Hampton Roads-Norfolk-Virginia Beach area, Stephen P. Leatherman occupied stations in the Williamsburg-Yorktown area, and David A. Hubbard, Jr., occupied some stations in the Suffolk and Emporia areas.

INSTRUMENTATION AND PROCEDURES

Field observations were made utilizing a LaCoste and Romberg Model G geodetic gravity meter (number 77). This meter has a range of over 7,000 milligals and a reading accuracy of ± 0.01 milligal. All observations were made utilizing a modified ladder-sequence loop technique. Each loop started and ended the same day from the established base station. Determination of gravity was made at 1,901 stations in the area covered by Sheets 9 and 13. Field observations were made on U. S. Geological Survey and National Ocean Survey (formerly U. S. Coast and Geodetic Survey) bench marks that had been established by first- through third-order leveling. Observations were also 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 consecutive readings; these observations had a maximum spread no greater than 0.01 milligal. Previously occupied stations in a loop were generally reoccupied every three hours during the survey. Stations were plotted on 7.5-minute-series topographic maps. Established horizontal control was used for station coordinates where available; for all other stations, latitude and longitude were scaled from the topographic maps.

Eight base stations were used in the survey. Loops originated and ended at base stations in Big Fork, Blackstone,

Chesterfield, Emporia, Gloucester, Ocean View, Suffolk, and Williamsburg. The data given in Appendices I and II are referenced to base station values reported by Johnson and Ziegler (1972).

The computation and reduction of field data was done on a CDC 6400 computer at the Division of Academic Computing, University of Virginia, Charlottesville, utilizing a modified GRAVAS program. The GRAVAS 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. Principle facts for each station are listed in Appendices I and II.

The base map was prepared from 1° x 2° topographic quadrangles, 1:250,000-Army Map Service series. The map and point plot used a transverse mercator projection. The map for Sheets 9 and 13 was photographically reduced approximately 0.5 inch (1.3 cm) in a north-south direction. The reduction was necessary in order to join and match adjoining gravity maps on the north and west. The "matching problem" between adjoining survey areas has occurred for several reasons. The scale conversion factor of 6.1237 miles per meter should have been 6.2137 miles per meter in the grid technique explained by Johnson, Huxsaw, and Thomas (1971). The incorrect scale factor was used to grid and contour the gravity data west of 78°00′ west longitude and published as Sheets 6, 7, and 8 (Johnson, 1971); Sheet 9 of this report joins Sheet 8. In addition to the scale error Sheets 6, 7, and 8 were gridded and computed using a polyconic projection. In 1973 a change was made from the gridding and contouring system (Johnson, Huxsaw, and Thomas 1971) used by the Division in 1971 and 1972 to a more advanced gridding and contouring system developed by Snowden (1970). The new "system" was used to grid and contour Sheets 10, 11, 12, and 14 (Johnson, 1973). The new "system" employs a transverse mercator projection instead of a polyconic projection. Thus, all gravity maps published since 1971 had to be photographically reduced to match the previously published data because of the scale factor error of 76.5 feet per mile (14.5 m/km). The points (+) depicted on the map show the location of all field observations, except for those in North Carolina that were used for peripheral control.

OBSERVATIONS

The survey was conducted over areas of the Piedmont and Coastal Plain physiographic provinces. The Piedmont province in the area of this report is composed mainly of metamorphic rocks of Precambrian and Paleozoic ages that have uncertain age relationships. The rocks are metamorphosed sedimentary and igneous types; the predominant igneous rock is the Petersburg granite and its associated rock types. Triassic sedimentary units, including coal beds near Richmond, occur in downfaulted basins; these units have been intruded by sills and dikes of Triassic age.

The "basement" of the Coastal Plain is composed of igneous and metamorphic rocks similar to those in the Piedmont (Table 1). The predominant "basement" rock exposed at the Fall Line

Table 1.—Selected significant wells into "basement," Triassic, and Cretaceous rocks in southeastern Virginia (see Plate 1 for location).

"BASEMENT" WELLS

Repository number	*Depth to "basement" in feet*	*(meters)*	*Rock type*	*Location*
W-180	[1]2307	(703)	granite	Mathews County
W-1634	923	(281)	granite[6]	Isle of Wight County
W-2253	770	(235)	schist (biotitic)[2]	Sussex County
W-2719	365	(111)	granite	Southampton County
W-2720	(3)		granite	Chesterfield County
W-3220	500	(152)	schist (biotitic)[2]	Sussex County
W-3317	560	(171)	metavolcanic[4]	Charles City County
NASA	2088	(636)	granite	Hampton
Fort Monroe	2246	(685)	rhyolite[5]	Hampton

TRIASSIC "RED-BED" WELLS

Repository number	*Depth to Triassic in feet*	*(meters)*	*Location*
W-1921	[2]90	(27)	Prince George County
W-3316	[2]1920	(585)	Suffolk
W-3443	[6]220	(67)	Henrico County

Table 1.—Continued

CRETACEOUS WELLS

Repository number	*Total depth of well in feet (meters)*		*Location*
W-979	[2]1500	(457)	South Island (Chesapeake Bay area)
W-1170	[6]1693	(516)	Virginia Beach
W-1547	1015	(309)	Suffolk
W-1565	[2]1183	(361)	Suffolk
W-2154	[2]2588	(789)	Norfolk
W-2354	[6]1459	(445)	Portsmouth
W-2575	1065	(325)	Virginia Beach
W-3221	[6]1149	(350)	Suffolk

[1] Le Van (1962).
[2] Teifke (1973).
[3] Top of "basement" not known; granite sample at 255 feet (78 m).
[4] Well logged by W. B. Harris.
[5] Darton (1902).
[6] Wells logged by R. H. Teifke.

is the Petersburg granite, which is overlain by loose or partly consolidated sand, gravel, and clay of Cretaceous through Quaternary ages. Basins that contain rocks of Triassic age occur in the "basement" in several areas under the Coastal Plain cover.

The Lower Cretaceous Patuxent Formation nonconformably overlies the "basement"; the Patuxent is overlain by stratigraphic units as young as Holocene age. The reader is referred to the reports published by Coch (1968, 1971), Bick and Coch (1969), Johnson (1972), Oaks and Coch (1973), and Teifke (1973) for the detailed description of the stratigraphic units in southeastern Virginia. Generally, along the Fall Line the Patuxent Formation is in contact with "basement" rocks at elevations that range from 100 feet (30 m) above to 100 feet (30 m) below mean sea level. In the Coastal Plain area of this report nine significant wells were drilled into "basement" rock, three others were drilled into "red beds" of Triassic age, and eight others were drilled into Cretaceous rocks to depths exceeding 1,000 feet (305 m) (Plate 1, Table 1).

Bouguer gravity anomalies in the Coastal Plain cannot be directly correlated with the "basement" lithologies because of

the overlying unconsolidated Mesozoic and Cenozoic sediments. The large positive and negative anomalies cannot be attributed to the sedimentary strata that attains a thickness of less than 3,000 feet (915 m). The anomalies on Sheets 9 and 13 must be attributed to intrabasement lithologic variations, basement relief (topographic or structural causes), or possibly some combination of the two.

There are three predominant regional trends—north, northeast, and northwest (Sheets 9 and 13; Plate 1). Many of these trends have significant correlations with regional aeromagnetic data as shown on the "Aeromagnetic Map of Southeastern Virginia" by the U. S. Geological Survey (1972). The trends that are indicated on Plate 1 have been conservatively drawn and may continue in either direction for some distance.

The northeastward-trending gravity features are confined to the eastern half of the survey area (Sheet 13). Trends B, C, D, and E (Plate 1) show the location and extent of several of these features. The most prominent of the northeasterly trends occurs northwest of Portsmouth (C). This large negative anomaly is attributed to a basin filled with sediments of Cretaceous or older age. The gravity low (C) northwest of Portsmouth is contoured differently on Plate 1 than as shown on Sheet 13. Based on subsurface data this feature was partially hand-contoured for Plate 1 to give a more northeastward-trending feature than on the computer-drawn version (Sheet 13). This negative feature is positioned over the Nansemond River and is in an area where Brown, Miller, and Swain (1972) have postulated a northeastward-striking hinge zone. The northwest side of this hinge zone would be elevated relative to the southeast side as shown in their first-order tectonic stage (Brown, Miller, and Swain, p. 16, 1972). The NASA, Fort Monroe, and Moore's Bridge (W-2154) wells appear to fit an elevated basement on the left bank of the James River (Table 1). Based on the available data it would appear that this proposed basin could thus be structurally controlled. Aeromagnetic data contoured over the same area show a circular-shaped low over the Nansemond River with a continuous magnetic high around the low, except on the east where a lower magnetic field is present; the field becomes higher at Portsmouth.

North-south trends are not confined to any specific area. The most prominent north trend (H) is a broad positive

anomaly with the central area located at about 77°08′ west longitude and extending from 37°30′ north latitude to its southern terminus northeast of Sussex. This high extends north-northeasterly to the Potomac River (Johnson, 1973, Sheets 10-12, 14); it is attributed to dense intrusives, at least as mafic as gabbro. Steep gradients occur on the east and west flanks of this anomaly, but the gradients become more gradual toward the southern terminus.

A gravity high (I) with a predominant northwesterly trend is present at Courtland. This high and the positive trend H are interrupted in an area east of Sussex by a lower gravity field of slightly over 8 milligals. Gravity anomaly H has a high magnetic field that is more than 5,300 gammas with steep gradients on the east and west flanks whereas gravity anomaly I occurs in a magnetic field with an intensity of around 3,700 gammas. If H and I are connected it would appear that there is a lithologic change which is the cause of the change in the magnetic intensities between the anomalies.

Other north-south gravity trends can be noted from Gasburg to Alberta (M) and possibly as far as Darvills. The north trend (F) at Gloucester has a northwesterly trend south of Saluda (Johnson, 1973, Sheets 10-12, 14). The gravity high (F) at Gloucester has an associated magnetic high. The type of rock and depth to "basement" at Gloucester are not known; well W-180 at Mathews bottomed in granitic "basement". Young, Johnson, and Willison (1962) calculated depth to basement in the Gloucester area as averaging 0.4 mile (0.6 km) as based on magnetic data. The Gasburg-Darvills area is generally underlain by the Petersburg granite. However, trend M is positioned over a northward-striking unit mapped as metamorphosed sedimentary and volcanic rock that is in contact with the Petersburg granite on the east and west (Virginia Division of Mineral Resources, 1963). The magnetic field over the metamorphosed sedimentary and volcanic unit is higher than the field over the Petersburg granite, suggesting a near-surface influence.

A northwestward-trending gravity low (A) occurs over Back Bay; this low indicates a basin or a lithologic change in the "basement" below the Cretaceous strata. The Back Bay trend extends to the south into North Carolina and reaches its maximum negative value near Manns Harbor (Mann, 1962).

A northwestward-trending gravity high (L) is located at the Virginia-North Carolina boundary and extends at least into an area east of Darvills and possibly to southeast of Skinquarter where it has a northerly trend. This high is bounded on the northeast by a steep gradient and on the west in part by a gently dipping gradient; it is probably due in part to a hornblende gabbro and gneiss unit (Virginia Division of Mineral Resources, 1963). A high magnetic trend follows gravity high L and coincides with the steep gravity gradient. There appears to be a correlation with the gravity data from the southern terminus of the Triassic Richmond basin that is located mainly to the northwest of the northern terminus of the L trend. Some of the gravity gradients and trends in the contours appear to correlate well with Triassic faults (Virginia Division of Mineral Resources, 1963).

The northwestward-trending gravity low (G) over the northwestern part of the York-James Peninsula terminates between Manquin and King and Queen (Johnson, 1973, Sheets 10-12, 14). The most extensive gravity lows occur in north-northwestward-trending K and northwestward-trending J. These two trends are interrupted by a slightly higher gravity field. This break in overall continuity occurs in what may be interpreted as a northwestward-trending zone between the two lows. This trend, if valid, may indicate the southern boundary of a Triassic basin. Well W-1921 (Table 1, Plate 1) encountered Triassic units at a depth of 90 feet (27 m) and may suggest a "plunging out" of the basin updip when comparing the depth with well W-3443. This conclusion is based on an assumption that a Triassic basin is continuous or nearly continuous in the area between the two wells. The Petersburg granite is present on the western edge in the northern part of this gravity low. The northern part of this feature has a correlatively low magnetic field. The southern part (between Jarratt and Sussex) has a higher magnetic field. It is suggested that this extensive negative gravity feature is due to a lithologic change in the "basement" with the northern low reflecting a granitic "basement" (Petersburg granite) and the southern low reflecting granite-gneiss or similar rock. This gravity low (K and J) does not appear to be due to an abnormal amount of "basement" relief.

Based on the gravity and magnetic data available for southeastern Virginia, it appears that the Coastal Plain "basement"

has a complex lithology and is similar to rock types exposed in the Piedmont. Because magnetic anomalies (U. S. Geological Survey, 1972) are more numerous than gravity anomalies, it appears that the magnetic properties of the "basement" lithologies are more variable than the density differences.

REFERENCES

Bick, K. F., and Coch, N. K., 1969, Geology of the Williamsburg, Hog Island, and Bacons Castle quadrangles, Virginia: Virginia Division of Mineral Resources Rept. Inv. 18, 28 p.

Brown, P. M., Miller, J. A., and Swain, F. M., 1972, Structural and stratigraphic framework, and spatial distribution of permeability of the Atlantic Coastal Plain, North Carolina to New York: U. S. Geol. Survey Prof. Paper 796, 79 p.

Coch, N. K., 1968, Geology of the Benns Church, Smithfield, Windsor, and Chuckatuck quadrangles, Virginia: Virginia Division of Mineral Resources Rept. Inv. 17, 39 p.

———— 1971, Geology of the Newport News South and Bowers Hill quadrangles, Virginia: Virginia Division of Mineral Resources Rept. Inv. 28, 26 p.

Darton, N. H., 1902, Description of the Norfolk quadrangle [Virginia-North Carolina]: U. S. Geol. Survey Geol. Atlas, Folio 80, 4 p.

Johnson, G. H., 1972, Geology of the Yorktown, Poquoson West, and Poquoson East quadrangles, Virginia: Virginia Division of Mineral Resources Rept. Inv. 30, 57 p.

Johnson, S. S., 1971, Bouquer gravity in Virginia, 36°30′ to 39°30′ N., 78°00′ to 79°00′ W.: Virginia Division of Mineral Resources Rept. Inv. 27, 40 p.

———— 1973, Bouguer gravity in northeastern Virginia and the Eastern Shore Peninsula: Virginia Division of Mineral Resources Rept. Inv. 32, 48 p.

Johnson, S. S., Huxsaw, C. L., and Thomas, D. R., 1971, A computer-program system to grid and contour random data: Virginia Division of Mineral Resources Information Circ. 15, 38 p.

Johnson, S. S., and Ziegler, R. E., 1972, Virginia gravity base net: Virginia Division of Mineral Resources Information Circ. 17, 22 p.

Le Van, D. C., 1962, Wells drilled for oil and gas in Virginia prior to 1962: Virginia Division of Mineral Resources, Mineral Resources Rept. 4, 47 p.

Mann, V. I., 1962, Bouguer gravity map of North Carolina: Southeastern Geology, vol. 3, no. 4, p. 207-220.

Oaks, R. Q., Jr., and Coch, N. K., 1973, Post-Miocene stratigraphy and morphology, southeastern Virginia: Virginia Division of Mineral Resources Bulletin 82, 135 p.

Snowden, J. M., 1970, A fortran IV program for the graphical representation of gravity anomaly data: Aeronautical Chart and Information Center, U. S. Air Force, Rept. No. 123, 91 p.

Teifke, R. H., 1973, Stratigraphic units of the Lower Cretaceous through Miocene series, *in* Geologic studies, Coastal Plain of Virginia: Virginia Division of Mineral Resources Bulletin 83, pt. 1, p. 1-78.

U. S. Geological Survey, 1972, Aeromagnetic map of southeastern Virginia: Open-file, U. S. Geol. Survey.

Virginia Division of Mineral Resources, 1963, Geologic map of Virginia: Virginia Division of Mineral Resources, scale 1:500,000.

Young, R. S., Johnson, R. W., Jr., and Willison, R. L., 1962, Reconnaissance magnetic surveys, central Coastal Plain of Virginia (abs.): Virginia Jour. Sci., new series, vol. 13, no. 4, p. 288.

APPENDIX I: PRINCIPAL FACTS FOR POINTS IN SHEET 9

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
6-A-1SE1	36 43.68	-77 .55	76.00	979888.646	2.35	-.24
6-A-2	36 42.72	-77 2.45	33.46	979893.005	4.10	2.96
6-A-3	36 38.90	-77 .22	17.77	979884.937	.05	-.56
6-A-4	36 38.53	-77 2.22	35.47	979880.643	-2.05	-3.26
6-A-5	36 37.53	-77 7.42	93.78	979873.828	-1.94	-5.14
6-A-6	36 40.13	-77 6.82	93.45	979877.158	-2.39	-5.57
6-A-7SE2	36 40.67	-77 4.85	43.00	979886.947	1.89	.42
6-A-8SE3	36 40.12	-77 3.38	34.00	979886.285	1.17	.01
6-A-9SE4	36 38.30	-77 4.90	90.00	979876.659	-.57	-3.64
6-A-10	36 43.08	-77 4.15	27.07	979896.724	6.69	5.76
6-A-11	36 42.07	-77 6.22	90.80	979884.903	2.33	-.77
6-A-12	36 43.27	-77 5.58	20.94	979897.541	6.66	5.95
6-A-13	36 44.15	-77 7.43	86.97	979892.071	6.13	3.17
6-A-14SE5	36 44.95	-77 5.83	25.00	979902.383	9.46	8.61
6-A-15	36 43.93	-77 3.92	36.37	979896.595	6.21	4.97
6-A-16SE6	36 44.18	-77 2.27	75.00	979890.367	3.25	.70
6-A-17SE7	36 41.85	-77 2.57	27.00	979893.418	5.15	4.23
6-B-1	36 42.13	-77 14.07	94.21	979866.185	-16.17	-19.38
6-B-2	36 44.60	-77 14.17	53.11	979877.967	-11.80	-13.62
6-B-3	36 44.60	-77 11.42	111.51	979878.241	-6.04	-9.84
6-B-4SE1	36 43.35	-77 9.98	68.00	979879.533	-7.04	-9.36
6-B-5	36 42.42	-77 8.10	124.15	979879.960	.02	-4.22
6-B-6	36 44.15	-77 6.97	113.09	979888.481	5.00	1.14
6-B-7SE2	36 42.35	-77 11.05	99.00	979869.753	-12.46	-15.84
6-B-8SE3	36 41.13	-77 10.20	113.00	979868.256	-10.89	-14.74
6-B-9SE4	36 40.15	-77 8.27	88.00	979874.828	-5.25	-8.26
6-B-10	36 38.55	-77 8.72	70.59	979872.744	-6.67	-9.08
6-B-11	36 38.38	-77 10.45	94.91	979870.056	-6.83	-10.07
6-B-12	36 38.78	-77 12.97	194.05	979873.049	-3.55	-7.10
6-B-13	36 39.25	-77 13.53	69.32	979875.197	-5.35	-7.71
6-B-14	36 37.83	-77 14.48	83.58	979879.707	2.54	-.31
6-B-15	36 40.80	-77 13.63	122.92	979865.460	-12.27	-16.47
6-B-16SE5	36 39.85	-77 11.48	103.00	979866.018	-12.22	-15.73
6-C-1	36 33.23	-77 8.38	38.31	979881.445	6.64	5.33
6-C-2	36 32.40	-77 7.55	29.29	979881.840	7.39	6.39
6-C-3SE1	36 31.72	-77 7.93	89.00	979874.152	6.30	3.26
6-C-4SE2	36 35.27	-77 8.73	69.00	979877.178	2.34	-.02
6-C-5SE3	36 36.37	-77 9.85	99.00	979874.595	.99	-2.38
6-C-6SE4	36 34.72	-77 10.47	45.00	979882.183	5.87	4.34
6-C-7	36 32.82	-77 11.95	36.30	979883.212	8.82	7.58
6-C-8	36 36.90	-77 12.57	85.78	979877.933	2.32	-.61
6-C-9SE5	36 37.20	-77 14.48	101.00	979879.959	5.35	1.90
6-C-10	36 35.70	-77 14.55	49.23	979886.387	9.06	7.38
6-C-11SE6	36 34.47	-77 14.77	31.00	979887.687	10.42	9.36
6-C-12	36 35.15	-77 11.87	37.67	979883.043	5.42	4.14
6-D-1	36 36.98	-77 2.75	65.22	979879.399	1.73	-.49
6-D-2	36 35.28	-77 1.72	82.63	979876.862	3.28	.46
6-D-3	36 34.03	-77 1.17	61.43	979874.497	.72	-1.38
6-D-4	36 33.18	-77 1.18	37.95	979875.329	.56	-.73
6-D-5SE1	36 33.77	-77 2.78	78.00	979874.052	2.21	-.45
6-D-6SE2	36 32.82	-77 4.48	79.00	979874.729	4.35	1.66
6-D-7SE3	36 34.05	-77 4.52	60.00	979877.431	3.49	1.45
6-D-8SE4	36 35.45	-77 .37	31.00	979877.847	-2.27	-3.33
6-D-9SE5	36 37.07	-77 4.58	87.00	979877.672	1.93	-1.03
6-D-10SE6	36 35.72	-77 4.63	88.00	979876.136	2.43	-.57
6-D-11	36 35.30	-77 6.58	95.05	979874.371	1.93	-1.31
6-D-12	36 34.12	-77 7.28	79.03	979877.767	5.52	2.83
6-D-13SE7	36 37.12	-77 7.10	71.00	979875.875	-1.44	-3.86
7-A-1	36 41.72	-77 20.52	118.54	979883.562	4.10	.05

BR Denotes bridge elevation

SE Denotes checked spot elevation

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
7-A-2SE1	36 39.62	-77 21.33	112.00	979888.547	11.49	7.67
7-A-3	36 38.17	-77 19.72	80.33	979888.383	10.43	7.69
7-A-4	36 38.67	-77 17.93	132.82	979878.911	5.18	.65
7-A-5SE2	36 39.78	-77 15.38	114.00	979874.965	-2.14	-6.03
7-A-6SE3	36 40.55	-77 18.28	128.00	979879.403	2.51	-1.86
7-A-7	36 42.82	-77 19.72	63.27	979881.586	-4.67	-6.82
7-A-8	36 43.12	-77 18.97	62.26	979879.534	-7.24	-9.36
7-A-9	36 43.32	-77 15.42	88.21	979870.525	-14.10	-17.10
7-A-10SE4	36 42.15	-77 15.40	84.00	979868.940	-14.40	-17.26
7-A-11SE5	36 44.75	-77 19.37	95.00	979871.588	-14.46	-17.70
7-A-12	36 43.80	-77 20.87	90.34	979879.589	-5.53	-8.61
7-A-13	36 44.98	-77 22.40	130.91	979877.266	-5.74	-10.21
7-A-14	36 38.47	-77 21.68	108.20	979888.703	12.94	9.25
7-B-1	36 40.33	-77 24.38	123.43	979892.496	15.49	11.28
7-B-2	36 39.22	-77 23.33	119.77	979889.488	13.74	9.65
7-B-3SE1	36 40.98	-77 26.12	133.00	979893.130	16.08	11.55
7-B-4	36 41.85	-77 27.15	129.78	979893.577	14.98	10.55
7-B-5	36 42.42	-77 27.78	102.22	979896.511	14.50	11.02
7-B-6SE2	36 42.20	-77 29.73	116.00	979899.903	19.50	15.55
7-B-7SE3	36 40.95	-77 29.52	127.00	979897.824	20.26	15.93
7-B-8	36 41.58	-77 23.20	87.80	979893.432	11.27	8.27
7-B-9	36 43.12	-77 23.43	107.37	979888.504	5.97	2.31
7-B-10	36 43.47	-77 26.38	126.95	979893.362	12.17	7.84
7-B-11	36 44.37	-77 27.73	119.77	979895.363	12.20	8.11
7-B-12SE4	36 38.10	-77 28.05	93.00	979894.397	17.74	14.56
7-B-13SE5	36 38.12	-77 24.53	59.00	979893.474	13.59	11.58
7-B-14	36 44.73	-77 29.78	166.97	979897.588	18.33	12.64
7-C-1	36 36.70	-77 29.90	94.13	979892.614	18.07	14.86
7-C-2	36 37.37	-77 27.08	90.70	979892.199	16.38	13.28
7-C-3SE1	36 36.45	-77 24.17	56.00	979890.277	12.51	10.60
7-C-4SE2	36 34.42	-77 23.22	65.00	979884.165	10.17	7.95
7-C-5SE3	36 35.45	-77 25.15	81.00	979888.437	14.46	11.70
7-C-6	36 33.73	-77 26.47	55.18	979891.109	17.17	15.29
7-C-7	36 34.55	-77 26.77	62.62	979892.383	17.97	15.84
7-C-8	36 34.80	-77 28.70	87.82	979891.979	19.58	16.58
7-C-9	36 32.05	-77 26.87	143.96	979879.442	16.28	11.37
7-C-10SE4	36 30.98	-77 29.45	146.00	979875.715	14.27	9.29
7-C-11SE5	36 32.37	-77 24.98	97.00	979881.148	13.11	9.80
7-C-12	36 31.98	-77 22.63	89.75	979876.245	8.08	5.01
7-D-1	36 34.18	-77 21.68	53.76	979881.152	6.43	4.60
7-D-2	36 33.02	-77 22.10	42.81	979882.526	8.46	7.00
7-D-3SE1	36 35.00	-77 21.15	50.00	979881.560	5.31	3.61
7-D-4	36 36.12	-77 20.40	72.93	979883.563	7.87	5.38
7-D-5SE2	36 34.98	-77 18.67	68.00	979880.202	5.67	3.35
7-D-6SE3	36 34.63	-77 17.15	65.00	979882.420	8.11	5.90
7-D-7SE4	36 36.18	-77 17.32	78.00	979885.184	9.87	7.21
7-D-8SE5	36 33.20	-77 17.07	45.00	979877.530	3.40	1.87
7-D-9SE6	36 33.05	-77 15.00	35.00	979884.126	9.27	8.08
8-A-1 BASE	36 41.20	-77 32.55	118.77	979900.345	21.64	17.59
8-A-2	36 41.25	-77 36.85	187.49	979896.070	23.76	17.37
8-A-3	36 41.22	-77 35.77	197.16	979896.671	25.32	18.60
8-A-4SE1	36 41.32	-77 34.40	148.00	979899.987	23.87	18.82
8-A-5	36 41.20	-77 33.50	158.16	979898.466	23.47	18.08
8-A-6SE2	36 39.58	-77 34.78	160.00	979900.197	27.70	22.25
8-A-7SE3	36 38.27	-77 37.07	222.00	979886.297	21.53	13.96
8-A-8SE4	36 39.77	-77 31.75	93.00	979899.916	20.86	17.68
8-A-9SE5	36 38.03	-77 30.70	90.00	979895.378	18.53	15.46
8-A-10	36 44.25	-77 37.20	163.98	979898.025	19.19	13.59
8-A-11	36 43.28	-77 35.40	214.35	979895.687	22.98	15.67
8-A-12	36 42.88	-77 34.68	176.07	979898.257	22.52	16.52
8-A-13	36 42.15	-77 33.03	165.52	979896.852	21.18	15.54
8-A-14	36 43.30	-77 31.98	167.91	979900.759	23.66	17.93
8-A-15	36 44.72	-77 31.80	121.91	979906.148	22.68	18.52
8-A-16	36 44.22	-77 30.80	103.61	979905.601	21.13	17.60
8-A-17	36 43.63	-77 31.55	111.49	979904.847	21.96	18.16
8-A-18	36 41.75	-77 33.22	115.94	979901.775	22.02	18.06
8-A-19	36 39.88	-77 33.33	151.99	979896.912	23.23	18.05

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
8-A-20	36 39.02	-77 33.53	126.81	979897.486	22.69	18.36
8-A-21	36 38.02	-77 35.68	165.04	979892.360	22.59	16.97
8-B-1	36 41.77	-77 44.80	259.10	979864.890	-1.42	-10.26
8-B-2SE1	36 39.97	-77 44.70	290.00	979859.920	-.90	-10.79
8-B-3SE2	36 39.90	-77 43.67	296.00	979866.717	6.56	-3.54
8-B-4SE3	36 41.37	-77 43.00	233.00	979872.471	4.28	-3.67
8-B-5SE4	36 40.08	-77 41.28	294.00	979870.454	9.84	-.18
8-B-6SE5	36 41.85	-77 40.27	241.00	979879.915	11.78	3.56
8-B-7	36 40.57	-77 39.13	229.61	979881.989	14.63	6.80
8-B-8SE6	36 38.70	-77 39.00	238.00	979879.058	15.17	7.06
8-B-9SE7	36 38.37	-77 40.90	284.00	979870.095	11.02	1.33
8-B-10SE8	36 38.35	-77 43.45	236.00	979868.905	5.34	-2.71
8-B-11	36 44.78	-77 38.15	222.62	979891.815	17.72	10.13
8-B-12SE9	36 44.72	-77 40.03	283.00	979879.754	11.44	1.79
8-B-13SE10	36 43.63	-77 39.83	229.00	979883.922	12.09	4.28
8-B-14SE11	36 43.17	-77 38.78	143.00	979894.592	15.34	10.46
8-B-15SE12	36 44.82	-77 41.75	233.00	979876.767	3.60	-4.34
8-B-16SE13	36 44.62	-77 43.78	278.00	979868.166	-.48	-9.96
8-B-17SE14	36 43.78	-77 42.30	253.00	979872.147	2.35	-6.28
8-C-1	36 33.78	-77 43.50	285.69	979861.085	8.76	-.99
8-C-2	36 34.43	-77 44.88	239.43	979858.792	1.18	-6.99
8-C-3	36 37.35	-77 37.65	227.50	979881.682	18.75	10.99
8-C-4SE1	36 35.05	-77 38.97	234.00	979876.868	17.86	9.88
8-C-5SE2	36 32.73	-77 38.45	182.00	979873.938	13.37	7.16
8-C-6	36 33.05	-77 40.00	147.64	979876.068	11.81	6.77
8-C-7	36 32.82	-77 41.70	240.35	979865.615	10.41	2.22
8-C-8SE3	36 35.08	-77 42.45	289.00	979864.463	10.58	.72
8-C-9BP1	36 36.18	-77 42.58	172.00	979872.516	6.04	.18
8-C-10	36 36.98	-77 42.08	193.02	979872.004	6.36	-.23
8-C-11	36 36.52	-77 39.60	257.28	979874.850	15.92	7.15
8-D-1	36 33.38	-77 34.32	90.47	979882.097	11.98	8.90
8-D-2	36 35.77	-77 33.87	105.38	979884.249	12.11	8.52
8-D-3	36 36.33	-77 33.85	115.02	979886.177	14.13	10.21
8-D-4SE1	36 37.17	-77 35.28	144.00	979888.763	18.24	13.33
8-D-5SE2	36 36.08	-77 36.53	191.00	979881.907	17.37	10.85
8-D-6SE3	36 34.78	-77 35.80	144.00	979881.367	14.28	9.36
8-D-7	36 33.20	-77 36.27	145.18	979875.608	10.90	5.95
8-D-8	36 32.02	-77 33.07	116.21	979875.951	10.22	6.26
8-D-9	36 32.68	-77 31.82	112.20	979879.414	12.35	8.52
8-D-10SE4	36 33.97	-77 32.28	88.00	979886.853	15.67	12.67
8-D-11	36 35.28	-77 30.25	124.52	979890.916	21.27	17.03
8-D-12SE5	36 36.68	-77 31.18	138.00	979891.195	20.81	16.10
8-D-13	36 37.38	-77 33.82	126.58	979891.580	19.11	14.79
8-D-14	36 34.73	-77 33.93	88.05	979883.288	11.01	8.00
8-D-15SE6	36 35.73	-77 32.10	141.00	979888.359	19.62	14.81
9-A-1	36 37.55	-77 47.73	308.21	979849.629	-6.00	-16.51
9-A-2SE1	36 38.83	-77 47.33	318.00	979851.680	-4.87	-15.72
9-A-3SE2	36 40.03	-77 46.73	287.00	979856.646	-4.55	-14.34
9-A-4SE3	36 40.10	-77 47.93	328.00	979852.908	-4.53	-15.71
9-A-5SE4	36 39.15	-77 49.20	324.00	979849.407	-7.04	-18.09
9-A-6	36 38.85	-77 52.25	373.73	979845.894	-5.44	-18.19
9-A-7SE5	36 38.07	-77 51.20	325.00	979848.689	-6.10	-17.19
9-A-8	36 40.25	-77 52.00	327.51	979852.349	-5.35	-16.52
9-A-9	36 41.88	-77 51.33	299.04	979858.810	-3.92	-14.12
9-A-10	36 41.63	-77 48.95	302.55	979856.045	-5.99	-16.31
9-A-11	36 42.53	-77 49.72	160.59	979868.940	-7.75	-13.22
9-A-12	36 43.25	-77 51.15	175.69	979869.549	-6.75	-12.74
9-A-13	36 44.93	-77 51.55	182.18	979874.947	-3.16	-9.38
9-A-14SE6	36 41.23	-77 46.78	287.00	979858.709	-4.21	-14.00
9-A-15	36 44.93	-77 47.03	294.43	979865.031	-2.52	-12.56
9-B-1	36 44.65	-77 55.35	296.91	979862.806	-4.11	-14.23
9-B-2	36 43.40	-77 56.07	184.73	979866.892	-8.78	-15.08
9-B-3	36 42.02	-77 56.58	318.33	979856.700	-4.40	-15.26
9-B-4	36 40.72	-77 55.05	291.07	979856.027	-5.77	-15.70
9-B-5	36 42.27	-77 52.87	254.60	979860.930	-6.53	-15.21
9-B-6	36 38.85	-77 53.75	365.92	979847.264	-4.81	-17.29
9-B-7	36 38.60	-77 54.25	362.12	979847.939	-4.13	-16.48

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
9-B-8	36 37.92	-77 55.72	398.77	979847.710	0.07	-13.53
9-B-9	36 37.85	-77 56.53	414.65	979848.044	2.00	-12.15
9-B-10	36 38.22	-77 58.63	411.25	979850.118	3.22	-10.80
9-B-11	36 41.10	-77 58.08	263.61	979865.465	.53	-8.46
9-B-12SE1	36 44.65	-77 52.67	275.00	979866.562	-2.41	-11.79
9-B-13SE2	36 44.37	-77 58.97	294.00	979867.705	.93	-9.10
9-B-14SE3	36 42.53	-77 59.72	336.00	979862.826	2.64	-8.82
9-B-15SE4	36 40.13	-77 57.08	324.00	979856.886	-.97	-12.02
9-B-16SE5	36 39.38	-77 59.23	378.00	979853.811	2.11	-10.78
9-C-1	36 35.65	-77 53.00	306.99	979843.599	-9.41	-19.88
9-C-2	36 32.68	-77 54.07	290.00	979839.721	-10.62	-20.51
9-C-3	36 31.65	-77 55.83	286.93	979843.794	-5.35	-15.14
9-C-4	36 32.48	-77 56.60	309.39	979844.452	-3.78	-14.33
9-C-5	36 33.40	-77 55.42	211.33	979850.596	-8.16	-15.38
9-C-6	36 31.92	-77 58.45	191.76	979852.173	-6.31	-12.85
9-C-7	36 30.02	-77 57.90	286.69	979843.766	-3.05	-12.83
9-C-8SE1	36 36.17	-77 59.72	273.00	979858.037	1.09	-8.22
9-C-9SE2	36 34.53	-77 59.67	324.00	979852.807	3.00	-8.05
9-C-10SE3	36 34.45	-77 53.60	298.00	979842.891	-9.24	-19.40
9-C-11SE4	36 36.58	-77 55.25	346.00	979847.878	-2.80	-14.60
9-C-12SE5	36 36.82	-77 57.13	386.00	979849.653	2.40	-10.77
9-C-13SE6	36 33.13	-77 58.53	266.00	979851.359	-1.89	-10.96
9-D-1	36 34.80	-77 46.57	288.82	979850.814	-2.68	-12.53
9-D-2	36 36.62	-77 45.97	298.78	979853.081	-2.09	-12.28
9-D-3SE1	36 37.08	-77 48.57	270.00	979851.205	-7.34	-16.55
9-D-4SE2	36 37.28	-77 50.30	307.00	979848.348	-7.01	-17.48
9-D-5	36 35.30	-77 49.82	329.98	979843.958	-6.38	-17.64
9-D-6	36 33.47	-77 52.05	250.54	979843.916	-11.26	-19.81
9-D-7SE3	36 32.75	-77 48.17	339.00	979842.168	-3.66	-15.22
9-D-8SE4	36 32.68	-77 49.72	299.00	979841.034	-8.46	-18.66
38-A-1	36 55.67	-77 2.40	113.44	979903.605	3.55	-.32
38-A-2	36 55.07	-77 3.78	107.52	979903.184	3.44	-.23
38-A-3	36 55.27	-77 5.08	96.27	979904.082	2.99	-.30
38-A-4SE1	36 54.77	-77 7.08	88.00	979898.946	-2.20	-5.21
38-A-5	36 53.80	-77 5.70	106.87	979893.579	-4.40	-8.05
38-A-6	36 53.15	-77 4.28	112.27	979892.171	-4.36	-8.19
38-A-7	36 52.72	-77 2.63	115.12	979894.689	-.95	-4.88
38-A-8	36 53.50	-77 2.12	117.38	979897.095	.54	-3.47
38-A-9SE2	36 52.93	-77 .62	95.00	979897.426	-.42	-3.66
38-A-10	36 56.97	-77 1.95	113.60	979903.561	1.64	-2.23
38-A-11	36 57.15	-77 .88	97.53	979903.201	-.49	-3.82
38-A-12	36 57.93	-77 .47	77.45	979904.893	-1.82	-4.46
38-A-13SE3	36 58.08	-77 1.97	100.00	979905.821	1.01	-2.40
38-A-14SE4	36 59.07	-77 3.23	110.00	979908.215	2.93	-.83
38-A-15SE5	36 59.57	-77 1.70	112.00	979905.447	-.38	-4.20
38-A-16	36 57.88	-77 5.65	108.55	979911.222	7.51	3.80
38-A-17	36 58.98	-77 5.73	109.80	979911.550	6.36	2.62
38-A-18	36 60.00	-77 5.38	109.43	979912.079	5.39	1.66
38-A-19SE6	36 59.63	-77 6.95	115.00	979914.376	8.74	4.82
38-A-20	36 56.95	-77 6.03	110.11	979909.793	7.57	3.82
38-A-21	36 56.03	-77 5.85	64.45	979910.456	5.26	3.06
38-B-1	36 53.13	-77 9.30	122.56	979896.830	1.29	-2.89
38-B-2	36 54.15	-77 8.97	101.93	979898.283	-.67	-4.14
38-B-3	36 55.67	-77 9.65	115.23	979903.442	3.55	-.38
38-B-4	36 59.03	-77 8.85	109.35	979918.385	13.08	9.35
38-B-5	36 57.25	-77 9.48	100.01	979912.445	8.84	5.43
38-B-6	36 56.92	-77 10.30	121.40	979908.734	7.62	3.48
38-B-7	36 57.88	-77 11.07	120.46	979912.308	9.71	5.60
38-B-8	36 58.37	-77 11.55	125.02	979914.956	12.09	7.83
38-B-9	36 58.55	-77 12.53	53.57	979921.541	11.69	9.86
38-B-10	36 58.97	-77 14.47	52.04	979919.967	9.37	7.60
38-B-11SE1	36 59.68	-77 10.60	121.00	979919.951	14.81	10.68
38-B-12	36 54.37	-77 11.33	42.09	979903.793	-1.10	-2.53
38-B-13	36 52.88	-77 12.65	79.27	979895.516	-3.74	-6.44
38-B-14	36 53.75	-77 13.77	88.14	979898.570	-1.10	-4.11
38-B-15	36 54.30	-77 14.67	58.07	979903.458	.17	-1.81
38-B-16SE2	36 55.58	-77 13.78	90.00	979907.087	4.95	1.88

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
38-B-17SE3	36 56.05	-77 11.53	45.00	979909.828	2.78	1.25
38-C-1	36 52.25	-77 13.65	107.46	979892.431	-3.26	-6.92
38-C-2	36 51.27	-77 13.12	107.82	979889.322	-4.91	-8.59
38-C-3	36 50.70	-77 12.10	111.23	979892.074	-1.02	-4.82
38-C-4SE1	36 49.85	-77 13.95	99.00	979886.216	-6.81	-10.18
38-C-5	36 49.43	-77 12.38	97.36	979890.974	-1.60	-4.92
38-C-6	36 48.77	-77 12.02	85.09	979891.174	-1.60	-4.50
38-C-7	36 48.18	-77 12.48	35.59	979892.271	-4.31	-5.53
38-C-8	36 51.52	-77 11.40	38.06	979900.508	-.65	-1.95
38-C-9	36 52.40	-77 10.28	54.83	979902.159	1.30	-.57
38-C-10	36 52.10	-77 8.50	98.26	979896.065	-.27	-3.62
38-C-11SE2	36 50.77	-77 9.77	44.00	979901.434	1.92	.42
38-C-12	36 50.17	-77 7.75	77.42	979898.599	3.09	.45
38-C-13SE3	36 48.93	-77 8.98	53.00	979898.707	2.68	.87
38-C-14SE4	36 47.22	-77 7.68	60.00	979897.047	4.15	2.11
38-C-15SE5	36 45.85	-77 10.40	39.00	979891.193	-1.71	-3.04
38-C-16	36 45.00	-77 9.53	30.61	979891.634	-.83	-1.87
38-C-17	36 46.97	-77 13.40	72.16	979885.344	-6.05	-8.51
38-C-18	36 46.20	-77 13.90	63.73	979881.866	-9.21	-11.39
38-D-1	36 45.12	-77 3.58	86.29	979895.014	7.62	4.68
38-D-2	36 45.77	-77 3.12	87.87	979894.840	6.66	3.66
38-D-3	36 46.43	-77 2.78	83.07	979895.600	6.00	3.17
38-D-4SE1	36 48.08	-77 2.00	94.00	979895.537	4.59	1.38
38-D-5	36 48.83	-77 1.27	95.86	979895.440	3.59	.32
38-D-6	36 46.43	-77 .40	84.26	979892.822	3.34	.46
38-D-7SE2	36 45.27	-77 .23	53.00	979891.712	.97	-.84
38-D-8	36 46.05	-77 5.57	42.77	979904.046	11.21	9.75
38-D-9SE3	36 47.00	-77 7.15	58.00	979897.643	4.87	2.89
38-D-10	36 46.48	-77 4.93	46.94	979904.841	11.77	10.17
38-D-11	36 46.88	-77 3.87	83.82	979898.759	8.59	5.73
38-D-12	36 47.77	-77 3.92	92.78	979898.158	7.55	4.39
38-D-13	36 48.53	-77 4.07	101.90	979896.888	6.04	2.56
38-D-14	36 49.57	-77 3.75	115.62	979895.768	4.72	.77
38-D-15	36 50.20	-77 3.63	115.21	979895.814	3.81	-.12
38-D-16	36 50.87	-77 3.27	119.72	979895.241	2.70	-1.38
38-D-17	36 51.65	-77 2.80	115.96	979895.244	1.22	-2.73
38-D-18SE4	36 51.33	-77 .73	84.00	979897.878	1.31	-1.56
38-D-19SE5	36 50.43	-77 .82	91.00	979897.080	2.46	-.64
38-D-20SE6	36 50.12	-77 5.77	53.00	979901.961	4.23	2.42
38-D-21SE7	36 51.40	-77 5.87	98.00	979893.520	-1.83	-5.17
38-D-22SE8	36 48.45	-77 5.53	99.00	979898.887	7.88	4.51
39-A-1	36 59.73	-77 22.33	103.93	979909.577	2.75	-.79
39-A-2SE1	36 58.48	-77 22.47	67.00	979910.914	2.42	.14
39-A-3SE2	36 56.08	-77 22.02	72.00	979893.614	-10.94	-13.40
39-A-4	36 58.07	-77 19.12	67.62	979909.322	1.49	-.82
39-A-5	36 59.80	-77 19.52	63.44	979911.628	.90	-1.26
39-A-6	36 55.78	-77 19.47	104.02	979894.490	-6.62	-10.17
39-A-7	36 59.40	-77 15.27	55.83	979919.106	8.24	6.34
39-A-8SE3	36 57.47	-77 16.10	63.00	979908.326	1.43	-.72
39-A-9	36 54.92	-77 16.80	113.83	979893.916	-5.02	-8.90
39-A-10	36 54.15	-77 20.52	131.88	979881.228	-14.90	-19.40
39-A-11SE4	36 54.02	-77 21.73	130.00	979880.523	-15.59	-20.03
39-A-12SE5	36 53.07	-77 16.67	117.00	979887.512	-8.46	-12.45
39-A-13SE6	36 52.83	-77 15.80	115.00	979890.901	-4.92	-8.84
39-A-14	36 52.68	-77 19.37	126.02	979879.576	-14.99	-19.29
39-A-15SE7	36 52.52	-77 21.92	120.00	979876.474	-18.42	-22.51
39-B-1	36 52.67	-77 24.25	102.75	979878.318	-18.41	-21.92
39-B-2	36 53.92	-77 24.03	88.22	979882.296	-17.61	-20.62
39-B-3	36 54.18	-77 24.97	86.04	979882.758	-17.74	-20.67
39-B-4	36 52.92	-77 26.32	86.68	979881.093	-17.51	-20.47
39-B-5SE1	36 53.33	-77 29.52	161.00	979878.427	-13.79	-19.28
39-B-6	36 54.57	-77 29.62	159.11	979879.778	-14.39	-19.82
39-B-7SE2	36 55.65	-77 27.48	143.00	979880.666	-16.59	-21.46
39-B-8SE3	36 54.67	-77 26.65	104.00	979881.965	-17.54	-21.08
39-B-9	36 55.53	-77 23.78	76.63	979886.806	-16.52	-19.13
39-B-10	36 56.47	-77 23.62	77.33	979890.335	-14.27	-16.91
39-B-11	36 56.75	-77 25.17	86.11	979887.980	-16.21	-19.15

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
39-B-12	36 56.75	-77 26.22	84.15	979886.544	-17.83	-20.70
39-B-13SE4	36 56.62	-77 28.68	135.00	979883.520	-15.88	-20.48
39-B-14	36 59.02	-77 29.38	157.63	979887.049	-13.69	-19.06
39-B-15	36 59.95	-77 28.37	93.96	979894.570	-13.50	-16.71
39-B-16SE5	36 58.17	-77 27.33	91.00	979890.871	-14.90	-18.01
39-B-17SE6	36 59.15	-77 25.08	136.00	979896.365	-6.60	-11.24
39-B-18	36 59.55	-77 23.60	78.52	979907.118	-1.83	-4.51
39-B-19	36 58.65	-77 23.58	92.06	979902.312	-4.06	-7.20
39-C-1	36 48.67	-77 29.47	158.31	979888.066	2.33	-3.07
39-C-2	36 48.02	-77 27.88	147.63	979884.343	-1.46	-6.50
39-C-3	36 46.40	-77 28.33	150.05	979891.543	8.30	3.18
39-C-4	36 45.40	-77 28.93	133.89	979897.430	14.10	9.54
39-C-5	36 45.98	-77 27.80	150.45	979891.463	8.86	3.72
39-C-6SE1	36 45.47	-77 25.15	136.00	979884.447	1.22	-3.42
39-C-7	36 46.17	-77 23.78	125.64	979877.764	-7.44	-11.73
39-C-8SE2	36 47.78	-77 23.60	127.00	979872.314	-15.09	-19.43
39-C-9SE3	36 48.85	-77 23.95	135.00	979871.772	-16.42	-21.03
39-C-10SE4	36 47.73	-77 26.10	145.00	979882.000	-3.64	-8.59
39-C-11	36 49.35	-77 27.43	135.18	979877.219	-11.68	-16.29
39-C-12SE5	36 49.28	-77 28.38	160.00	979878.956	-7.51	-12.97
39-C-13	36 50.85	-77 29.60	100.50	979884.252	-10.07	-13.50
39-C-14SE6	36 52.42	-77 29.03	119.00	979879.818	-15.03	-19.08
39-C-15	36 50.67	-77 26.27	146.11	979875.000	-14.77	-19.75
39-C-16	36 51.38	-77 25.23	140.03	979874.207	-17.17	-21.94
39-C-17	36 52.32	-77 22.65	139.00	979874.608	-18.21	-22.95
39-C-18SE7	36 50.10	-77 23.28	136.00	979872.506	-17.40	-22.04
39-D-1	36 51.43	-77 20.47	86.72	979877.684	-18.78	-21.73
39-D-2	36 50.33	-77 21.05	107.11	979873.530	-19.43	-23.08
39-D-3SE1	36 52.38	-77 17.73	102.00	979884.429	-11.97	-15.44
39-D-4	36 51.50	-77 17.43	118.06	979881.282	-12.33	-16.35
39-D-5	36 50.72	-77 17.27	110.76	979880.139	-13.03	-16.80
39-D-6	36 50.97	-77 18.55	129.00	979878.013	-13.80	-18.20
39-D-7SE2	36 49.23	-77 15.40	110.00	979883.547	-7.55	-11.30
39-D-8	36 49.20	-77 19.77	112.61	979872.159	-18.65	-22.49
39-D-9	36 47.78	-77 20.65	128.87	979869.257	-17.98	-22.37
39-D-10SE3	36 46.17	-77 19.80	124.00	979868.179	-17.18	-21.41
39-D-11BR1	36 47.38	-77 22.22	88.00	979873.156	-17.35	-20.35
39-D-12SE4	36 47.23	-77 19.37	124.00	979868.971	-17.93	-22.16
39-D-13BR2	36 47.90	-77 16.90	64.00	979877.687	-15.82	-18.00
39-D-14	36 46.93	-77 16.82	106.27	979871.715	-16.42	-20.04
39-D-15	36 46.77	-77 15.12	106.11	979877.774	-10.13	-13.75
39-D-16SE5	36 45.28	-77 15.87	85.00	979872.196	-15.56	-18.46
39-D-17SE6	36 45.72	-77 21.55	111.00	979873.335	-12.60	-16.39
40-A-1	36 56.78	-77 37.23	343.52	979896.367	16.34	4.62
40-A-2	36 56.17	-77 37.15	329.76	979898.165	17.73	6.49
40-A-3	36 56.82	-77 35.69	177.14	979901.557	5.83	-.21
40-A-4SE1	36 54.92	-77 36.73	306.00	979896.361	15.50	5.06
40-A-5	36 53.85	-77 36.52	227.65	979902.101	15.41	7.64
40-A-6	36 53.03	-77 35.95	255.53	979899.102	16.21	7.50
40-A-7SE2	36 53.10	-77 34.02	245.00	979893.580	9.60	1.25
40-A-8SE3	36 55.02	-77 35.05	285.00	979895.052	12.07	2.35
40-A-9	36 56.78	-77 34.68	181.05	979895.366	.06	-6.12
40-A-10	36 57.67	-77 35.15	215.09	979893.949	.57	-6.77
40-A-11	36 58.40	-77 34.75	209.44	979888.280	-6.69	-13.84
40-A-12	36 59.17	-77 34.75	255.23	979884.933	-6.84	-15.54
40-A-13	36 59.72	-77 33.25	220.87	979885.696	-10.10	-17.64
40-A-14SE4	36 58.40	-77 30.52	162.00	979885.337	-14.10	-19.62
40-A-15	36 56.70	-77 32.43	173.21	979884.443	-11.48	-17.39
40-A-16SE5	36 58.00	-77 33.10	222.00	979883.373	-9.84	-17.41
40-A-17	36 56.75	-77 33.47	221.56	979884.783	-6.67	-14.22
40-A-18	36 56.67	-77 31.55	154.79	979884.343	-13.27	-18.55
40-A-19SE6	36 55.03	-77 33.42	187.00	979892.298	.08	-6.30
40-A-20SE7	36 54.47	-77 30.65	159.00	979880.863	-13.18	-18.60
40-A-21SE8	36 53.40	-77 31.73	180.00	979884.329	-6.20	-12.33
40-B-1	36 55.13	-77 44.15	173.98	979900.798	7.21	1.27
40-B-2	36 53.97	-77 44.08	226.97	979893.767	6.84	-.90
40-B-3	36 53.30	-77 44.25	192.54	979894.487	5.29	-1.28

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
40-B-4	36 55.92	-77 44.13	266.30	979896.825	10.79	1.70
40-B-5	36 58.37	-77 43.48	274.00	979905.326	16.47	7.13
40-B-6	36 56.72	-77 44.02	183.20	979903.034	8.02	1.78
40-B-7SE1	36 59.55	-77 44.70	280.00	979909.524	19.53	9.98
40-B-8	36 59.83	-77 41.30	294.33	979910.885	21.83	11.79
40-B-9	36 59.72	-77 41.87	267.63	979912.968	21.57	12.44
40-B-10SE2	36 58.23	-77 42.08	293.00	979906.847	19.98	9.98
40-B-11	36 52.70	-77 41.60	260.00	979895.334	13.34	4.48
40-B-12SE3	36 54.27	-77 42.42	260.00	979897.729	13.48	4.61
40-B-13	36 53.13	-77 40.47	263.79	979897.995	15.74	6.74
40-B-14SE4	36 54.73	-77 40.07	244.00	979900.287	13.86	5.54
40-B-15BR1	36 55.53	-77 38.32	188.00	979907.512	14.66	8.25
40-B-16	36 57.22	-77 41.07	324.28	979901.930	19.47	8.41
40-B-17SE5	36 57.40	-77 38.82	257.00	979905.168	16.12	7.35
40-B-18SE6	36 56.50	-77 41.65	279.00	979896.422	10.74	1.22
40-B-19	36 58.33	-77 38.80	265.00	979904.567	14.92	5.88
40-B-20SE7	36 59.60	-77 38.47	188.00	979910.902	12.18	5.77
40-C-1	36 45.07	-77 43.95	281.69	979868.768	-.18	-9.78
40-C-2	36 47.67	-77 44.48	212.97	979878.115	-1.04	-8.30
40-C-3	36 46.10	-77 43.28	198.28	979876.806	-1.47	-8.24
40-C-4	36 45.20	-77 41.67	234.25	979877.932	4.33	-3.66
40-C-5	36 45.78	-77 41.52	275.89	979876.299	5.78	-3.63
40-C-6SE1	36 47.05	-77 42.57	286.00	979876.416	5.02	-4.73
40-C-7	36 49.13	-77 43.82	325.02	979876.301	5.57	-5.51
40-C-8	36 50.58	-77 43.50	315.13	979881.541	7.79	-2.96
40-C-9	36 52.18	-77 44.22	200.88	979891.266	4.47	-2.40
40-C-10	36 45.42	-77 39.37	281.91	979884.345	14.92	5.30
40-C-11SE2	36 45.70	-77 39.75	332.00	979878.649	13.52	2.20
40-C-12SE3	36 47.83	-77 40.43	279.00	979884.437	11.25	1.74
40-C-13SE4	36 46.78	-77 38.62	216.00	979892.900	15.30	7.94
40-C-14SE5	36 47.68	-77 38.00	228.00	979894.533	16.77	8.99
40-C-15	36 49.75	-77 38.93	247.76	979894.735	15.85	7.40
40-C-16SE6	36 51.15	-77 38.10	282.00	979896.395	18.71	9.09
40-C-17SE7	36 52.02	-77 39.27	248.00	979900.075	17.94	9.48
40-C-18SE8	36 50.87	-77 40.65	241.00	979894.565	13.43	5.21
40-C-19	36 49.62	-77 41.97	289.46	979884.382	9.61	-.26
40-C-20SE9	36 52.32	-77 42.20	247.00	979896.246	13.59	5.16
40-D-1	36 52.45	-77 33.53	237.15	979892.638	8.86	.77
40-D-2SE1	36 51.83	-77 31.50	138.00	979890.251	-1.96	-6.67
40-D-3	36 51.73	-77 33.68	240.01	979895.192	12.72	4.53
40-D-4	36 51.07	-77 36.77	252.14	979897.534	17.16	8.56
40-D-5	36 50.27	-77 35.25	217.29	979899.202	16.71	9.29
40-D-6	36 49.38	-77 35.30	232.76	979896.518	16.75	8.81
40-D-7	36 49.28	-77 36.82	279.76	979896.444	21.24	11.70
40-D-8SE2	36 49.95	-77 32.97	213.00	979894.677	12.23	4.97
40-D-9SE3	36 49.48	-77 30.42	163.00	979889.959	3.49	-2.07
40-D-10	36 46.07	-77 36.98	262.00	979892.231	19.99	11.06
40-D-11	36 47.22	-77 36.97	167.81	979899.575	16.82	11.10
40-D-12SE4	36 47.83	-77 35.17	158.00	979899.859	15.29	9.90
40-D-13	36 45.95	-77 34.40	221.22	979895.383	19.48	11.93
40-D-14	36 46.67	-77 32.65	172.99	979901.581	20.11	14.21
40-D-15SE5	36 48.03	-77 32.97	165.00	979901.863	17.67	12.04
40-D-16	36 46.00	-77 30.97	155.56	979899.971	17.82	12.51
40-D-17	36 47.12	-77 30.88	158.18	979896.436	12.92	7.53
40-D-18SE6	36 48.33	-77 30.35	149.00	979893.761	7.63	2.55
41-A-1	36 53.53	-77 47.92	355.91	979884.766	10.60	-1.54
41-A-2SE1	36 52.82	-77 45.55	305.00	979885.481	7.56	-2.85
41-A-3SE2	36 53.98	-77 45.68	321.00	979887.949	9.85	-1.10
41-A-4	36 53.73	-77 49.58	318.21	979887.047	9.04	-1.81
41-A-5SE3	36 53.92	-77 52.07	350.00	979884.561	9.28	-2.66
41-A-6SE4	36 52.62	-77 52.10	349.00	979880.710	7.21	-4.69
41-A-7	36 52.63	-77 50.33	291.30	979885.855	6.91	-3.03
41-A-8	36 52.93	-77 49.85	248.64	979889.116	5.72	-2.76
41-A-9	36 54.18	-77 48.50	336.22	979886.233	9.27	-2.19
41-A-10	36 54.97	-77 47.08	266.99	979894.253	9.65	.54
41-A-11	36 55.75	-77 45.57	204.90	979899.559	7.99	1.00
41-A-12	36 56.07	-77 45.12	271.51	979897.955	12.19	2.93

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
41-A-13SE5	36 56.33	-77 45.90	309.00	979895.572	12.95	2.41
41-A-14	36 57.18	-77 47.60	317.88	979897.481	14.47	3.62
41-A-15	36 58.65	-77 47.92	260.41	979904.768	14.23	5.35
41-A-16	36 59.25	-77 48.50	240.49	979907.201	13.92	5.72
41-A-17SE6	36 56.38	-77 49.90	338.00	979891.359	11.39	-.14
41-A-18SE7	36 57.07	-77 52.45	357.00	979893.098	13.93	1.75
41-A-19	36 57.77	-77 51.58	350.40	979894.751	13.95	2.00
41-A-20SE8	36 55.87	-77 52.20	340.00	979890.538	11.50	-.09
41-A-21SE9	36 57.42	-77 49.57	323.00	979896.061	13.19	2.17
41-A-22	36 58.42	-77 50.32	324.98	979898.518	14.39	3.30
41-A-23SE10	36 59.07	-77 50.37	299.00	979901.489	13.98	3.78
41-B-1	36 55.83	-77 58.12	424.17	979887.048	15.98	1.51
41-B-2	36 58.25	-77 54.07	343.93	979899.166	17.06	5.33
41-B-3	36 56.53	-77 53.58	375.98	979891.904	15.29	2.47
41-B-4	36 58.92	-77 57.62	341.78	979899.723	16.45	4.79
41-B-5	36 58.72	-77 57.65	350.75	979898.592	16.45	4.49
41-B-6	36 57.97	-77 52.50	327.74	979897.108	13.89	2.71
41-B-7	36 56.30	-77 58.78	435.77	979885.947	15.30	0.43
41-B-8	36 52.52	-77 55.05	390.93	979880.562	11.15	-2.18
41-B-9	36 52.58	-77 56.52	397.53	979878.719	9.83	-3.72
41-B-10SE1	36 52.80	-77 59.27	394.00	979881.075	11.55	-1.89
41-B-11SE2	36 54.35	-77 59.95	450.00	979879.536	13.04	-2.31
41-B-12SE3	36 53.98	-77 58.28	438.00	979882.773	15.67	.74
41-B-13SE4	36 54.18	-77 55.52	399.00	979885.009	13.95	.34
41-B-14SE5	36 55.87	-77 55.62	385.00	979890.936	16.14	3.00
41-B-15SE6	36 54.32	-77 52.67	370.00	979885.549	11.57	-1.05
41-B-16SE7	36 53.37	-77 53.47	353.00	979883.386	9.18	-2.86
41-C-1	36 51.87	-77 52.97	362.44	979877.596	6.54	-5.82
41-C-2	36 52.05	-77 55.02	394.17	979878.555	10.13	-3.32
41-C-3	36 50.47	-77 54.60	369.18	979875.147	6.65	-5.94
41-C-4	36 49.90	-77 54.70	330.45	979877.162	5.84	-5.43
41-C-5	36 48.83	-77 56.83	297.87	979875.317	2.47	-7.69
41-C-6	36 48.42	-77 57.42	366.09	979871.100	5.27	-7.22
41-C-7	36 46.20	-77 55.92	360.06	979861.630	-1.58	-13.86
41-C-8	36 45.38	-77 53.60	292.81	979867.358	-1.00	-10.98
41-C-9	36 47.75	-77 57.75	351.65	979870.697	4.47	-7.53
41-C-10	36 47.07	-77 59.43	217.08	979880.130	2.23	-5.18
41-C-11	36 46.93	-77 59.75	261.79	979877.475	3.97	-4.96
41-C-12	36 46.93	-77 58.88	201.76	979877.722	-1.43	-8.31
41-C-13SE1	36 52.18	-77 56.57	384.00	979878.124	8.54	-4.55
41-C-14SE2	36 50.48	-77 57.45	387.00	979875.560	8.71	-4.49
41-C-15BR1	36 51.83	-77 59.30	290.35	979885.741	7.86	-2.05
41-C-16SE3	36 47.32	-77 53.22	300.00	979873.361	2.90	-7.34
41-D-1SE1	36 48.43	-77 45.88	290.00	979876.360	3.35	-6.55
41-D-2	36 49.95	-77 46.40	323.86	979877.109	5.09	-5.95
41-D-3SE2	36 52.28	-77 47.00	303.00	979884.398	7.05	-3.28
41-D-4SE3	36 51.15	-77 48.18	314.00	979880.666	5.99	-4.72
41-D-5	36 49.75	-77 47.28	322.38	979875.977	4.11	-6.89
41-D-6	36 49.73	-77 50.50	378.00	979872.846	6.24	-6.66
41-D-7	36 50.72	-77 50.37	348.92	979874.129	3.36	-8.54
41-D-8SE4	36 48.78	-77 48.65	344.00	979871.268	2.83	-8.90
41-D-9	36 48.50	-77 51.05	341.56	979874.059	5.80	-5.85
41-D-10	36 51.45	-77 51.63	358.42	979877.854	6.93	-5.30
41-D-11	36 51.80	-77 52.32	375.92	979876.741	6.95	-5.87
41-D-12	36 46.88	-77 47.77	346.52	979865.632	.17	-11.65
41-D-13SE4	36 47.63	-77 50.98	319.00	979873.276	4.14	-6.74
41-D-14	36 46.15	-77 51.87	257.86	979875.274	2.53	-6.27
41-D-15	36 45.37	-77 50.98	256.19	979871.767	-.01	-8.75
41-D-16	36 46.02	-77 49.78	271.71	979870.068	-1.18	-10.45
41-D-17SE5	36 45.15	-77 47.03	290.00	979866.263	-2.02	-11.91
41-D-18	36 46.57	-77 45.63	289.72	979871.703	1.35	-8.53
68-A-1SE1	37 10.83	-77 .25	98.00	979925.732	2.30	-1.04
68-A-2	37 10.72	-77 1.68	98.47	979930.179	6.96	3.60
68-A-3	37 10.33	-77 3.63	83.41	979933.345	9.27	6.42
68-A-4	37 9.18	-77 4.72	113.53	979929.638	10.06	6.19
68-A-5	37 8.47	-77 6.80	126.34	979932.687	15.35	11.04
68-A-6SE2	37 8.87	-77 2.78	66.00	979930.200	6.61	4.36

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
68-A-7	37 7.98	-77 1.22	125.98	979923.349	6.68	2.38
68-A-8	37 8.78	-77 .18	112.15	979923.118	3.99	.16
68-A-9	37 11.75	-77 2.37	10.53	979936.642	3.66	3.30
68-A-10	37 12.42	-77 3.52	67.91	979935.562	7.01	4.70
68-A-11	37 13.23	-77 3.58	76.25	979936.846	7.90	5.30
68-A-12	37 14.77	-77 2.78	76.15	979939.141	7.96	5.37
68-A-13	37 13.75	-77 2.47	69.38	979936.609	6.27	3.90
68-A-14	37 12.85	-77 4.53	74.80	979938.710	10.18	7.63
68-A-15SE3	37 14.68	-77 5.92	61.00	979949.426	16.94	14.86
68-A-16	37 12.87	-77 5.70	68.37	979943.349	14.19	11.86
68-A-17	37 12.18	-77 6.93	55.30	979946.771	17.37	15.49
68-A-18SE4	37 10.52	-77 5.82	114.00	979935.506	14.04	10.15
68-B-1	37 7.62	-77 14.02	108.30	979940.540	22.73	19.04
68-B-2	37 7.80	-77 13.07	96.02	979944.027	24.80	21.53
68-B-3SE1	37 7.55	-77 10.52	108.00	979944.605	26.87	23.18
68-B-4	37 9.95	-77 12.62	127.60	979945.069	25.70	21.35
68-B-5	37 10.80	-77 12.70	139.32	979945.511	26.02	21.27
68-B-6SE2	37 11.83	-77 14.47	107.00	979945.019	20.99	17.34
68-B-7	37 12.38	-77 12.45	130.29	979947.259	24.62	20.18
68-B-8	37 13.72	-77 13.73	137.57	979946.493	22.61	17.92
68-B-9	37 8.47	-77 11.72	130.20	979944.652	27.68	23.24
68-B-10SE3	37 9.58	-77 10.25	130.00	979946.787	28.18	23.74
68-B-11	37 10.18	-77 9.60	132.68	979948.712	29.49	24.96
68-B-12	37 11.10	-77 8.87	127.86	979950.582	29.58	25.22
68-B-13	37 11.33	-77 7.77	68.76	979949.764	22.86	20.52
68-B-14SE4	37 11.23	-77 11.15	127.00	979949.180	27.90	23.57
68-B-15SE5	37 13.43	-77 7.98	113.00	979947.611	21.83	17.98
68-B-16	37 14.67	-77 8.77	104.72	979953.437	25.09	21.52
68-B-17	37 14.03	-77 11.12	113.28	979952.721	26.10	22.23
68-C-1SE1	37 6.77	-77 14.45	116.00	979937.912	22.06	18.10
68-C-2	37 5.18	-77 13.92	130.72	979939.640	27.46	23.00
68-C-3	37 3.42	-77 14.28	85.95	979940.533	26.70	23.77
68-C-4	37 2.55	-77 11.55	128.20	979935.461	26.86	22.48
68-C-5SE2	37 4.37	-77 10.95	123.00	979940.783	29.06	24.86
68-C-6	37 5.40	-77 8.58	119.37	979934.266	20.71	16.64
68-C-7	37 7.32	-77 7.97	116.05	979935.200	18.56	14.60
68-C-8SE3	37 6.27	-77 9.90	110.00	979941.907	26.21	22.46
68-C-9SE4	37 7.02	-77 11.60	95.00	979946.424	28.33	25.05
68-C-10SE5	37 3.40	-77 8.55	114.00	979932.195	21.02	17.13
68-C-11SE6	37 1.98	-77 9.30	93.00	979928.724	17.62	14.45
68-C-12SE7	37 .17	-77 8.27	107.00	979922.280	15.12	11.47
68-C-13	37 .07	-77 13.95	119.52	979920.579	14.74	10.66
68-C-14SE8	37 .77	-77 10.63	115.00	979925.370	18.10	14.17
68-D-1	37 6.88	-77 4.37	77.27	979924.671	5.01	2.37
68-D-2	37 5.53	-77 2.65	116.06	979916.541	2.48	-1.48
68-D-3	37 2.07	-77 5.85	117.37	979916.814	7.88	3.88
68-D-4BR1	37 .55	-77 6.43	89.00	979916.680	7.27	4.24
68-D-5	37 .63	-77 5.10	110.79	979912.593	5.12	1.34
68-D-6	37 .98	-77 3.85	85.88	979912.653	2.33	-.60
68-D-7	37 .65	-77 3.32	77.01	979911.825	1.15	-1.48
68-D-8SE1	37 1.47	-77 2.22	90.00	979909.429	-1.21	-4.28
68-D-9SE2	37 2.95	-77 4.22	109.00	979913.571	2.58	-1.14
68-D-10SE3	37 2.33	-77 .77	108.00	979909.062	-1.13	-4.82
68-D-11SE4	37 4.48	-77 6.77	101.00	979925.529	11.57	8.12
68-D-12SE5	37 4.97	-77 3.87	106.00	979916.472	2.28	-1.33
68-D-13SE6	37 6.55	-77 6.18	116.00	979926.876	11.34	7.38
68-D-14	37 6.15	-77 .88	120.06	979916.793	2.21	-1.88
69-A-1	37 8.82	-77 20.23	153.39	979906.469	-8.83	-14.06
69-A-2	37 7.60	-77 21.50	141.17	979904.219	-10.47	-15.29
69-A-3	37 9.23	-77 21.22	138.13	979909.742	-7.60	-12.31
69-A-4SE1	37 13.45	-77 21.07	142.00	979915.718	-7.36	-12.20
69-A-5SE2	37 13.80	-77 19.68	137.00	979919.193	-4.86	-9.53
69-A-6	37 11.63	-77 20.25	144.82	979913.094	-7.09	-12.03
69-A-7	37 11.30	-77 22.22	148.29	979911.414	-7.96	-13.02
69-A-8	37 7.63	-77 18.75	142.13	979911.718	-2.93	-7.78
69-A-9	37 7.98	-77 18.32	146.70	979913.648	-1.08	-6.08
69-A-10	37 9.32	-77 16.68	123.80	979923.345	4.54	.32

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
69-A-11	37 10.25	-77 18.10	135.40	979916.308	-2.76	-7.38
69-B-1	37 14.05	-77 24.17	14.52	979922.238	-13.70	-14.19
69-B-2	37 12.30	-77 23.02	161.09	979909.974	-9.64	-15.14
69-B-3	37 13.03	-77 23.52	59.72	979917.512	-12.70	-14.74
69-B-4	37 12.03	-77 24.55	163.76	979907.575	-11.40	-16.99
69-B-5	37 11.87	-77 25.22	169.73	979905.951	-12.23	-18.01
69-B-6	37 11.97	-77 35.62	178.78	979905.375	-12.10	-18.19
69-B-7SE3	37 11.87	-77 26.50	138.07	979906.959	-14.20	-18.91
69-B-8	37 11.80	-77 27.18	149.71	979905.884	-14.08	-19.19
69-B-9	37 11.63	-77 28.25	188.88	979903.741	-12.30	-18.74
69-B-10	37 13.42	-77 25.27	82.34	979915.824	-12.82	-15.63
69-B-11	37 11.20	-77 28.83	167.15	979904.548	-12.91	-18.61
69-B-12	37 10.97	-77 28.65	185.71	979902.749	-12.62	-18.96
69-B-13SE1	37 9.23	-77 29.05	180.00	979900.123	-13.28	-19.42
69-B-14SE2	37 9.42	-77 27.10	147.00	979897.935	-18.84	-23.85
69-B-15	37 9.20	-77 24.88	169.92	979900.074	-14.23	-20.02
69-B-16	37 10.58	-77 23.13	166.70	979906.005	-10.60	-16.29
69-B-17SE4	37 14.38	-77 25.87	105.00	979916.308	-11.60	-15.18
69-B-18SE5	37 13.88	-77 28.17	149.00	979912.187	-10.86	-15.94
69-B-19SE6	37 13.93	-77 29.90	191.00	979909.036	-10.13	-16.65
69-C-1	37 2.63	-77 23.37	151.87	979906.312	-.19	-5.37
69-C-2	37 2.15	-77 23.73	151.54	979907.705	1.87	-3.30
69-C-3	37 .58	-77 23.60	83.70	979913.663	3.71	.85
69-C-4	37 3.02	-77 25.65	95.81	979903.879	-8.45	-11.72
69-C-5	37 2.55	-77 26.80	127.21	979900.862	-7.84	-12.18
69-C-6	37 2.87	-77 28.95	164.80	979897.994	-7.63	-13.25
69-C-7	37 7.43	-77 25.18	168.19	979897.279	-14.63	-20.37
69-C-8	37 6.82	-77 25.48	167.03	979896.231	-14.89	-20.59
69-C-9	37 5.93	-77 25.28	168.25	979895.380	-14.35	-20.09
69-C-10SE1	37 6.53	-77 23.48	164.00	979899.769	-11.23	-16.82
69-C-11SE2	37 6.15	-77 28.43	135.00	979898.625	-14.55	-19.15
69-C-12SE3	37 7.27	-77 28.83	132.00	979900.354	-14.72	-19.22
69-C-13SE4	37 .03	-77 28.30	102.00	979894.386	-13.05	-16.53
69-C-14SE5	37 1.45	-77 28.13	134.00	979896.198	-10.28	-14.85
69-C-15	37 .08	-77 26.50	141.62	979896.085	-7.70	-12.53
69-C-16	37 3.75	-77 23.45	157.64	979900.776	-6.80	-12.18
69-C-17	37 5.17	-77 25.98	163.55	979895.486	-13.58	-19.16
69-D-1	37 5.28	-77 19.75	152.50	979907.631	-2.64	-7.85
69-D-2	37 4.70	-77 19.77	149.22	979907.344	-2.40	-7.48
69-D-3	37 3.93	-77 20.08	132.12	979906.386	-3.85	-8.36
69-D-4	37 3.07	-77 20.72	87.59	979907.057	-6.12	-9.11
69-D-5	37 .22	-77 20.05	114.17	979912.622	6.06	2.17
69-D-6	37 .33	-77 18.02	110.08	979909.072	1.96	-1.79
69-D-7	37 4.40	-77 21.98	111.01	979902.058	-10.84	-14.63
69-D-8	37 3.87	-77 22.35	154.34	979901.003	-7.05	-12.31
69-D-9	37 3.12	-77 19.18	102.09	979915.804	3.92	.44
69-D-10	37 2.55	-77 18.72	119.63	979915.974	6.56	2.48
69-D-11	37 1.92	-77 18.07	102.35	979915.980	5.85	2.36
69-D-12	37 1.30	-77 17.30	94.26	979915.384	5.39	2.17
69-D-13	37 1.40	-77 15.73	115.87	979919.774	11.67	7.71
69-D-14	37 2.12	-77 15.27	131.03	979923.783	16.07	11.60
69-D-15SE1	37 2.72	-77 17.03	128.00	979917.138	8.27	3.90
69-D-16SE2	37 7.18	-77 19.00	145.00	979910.732	-3.00	-7.94
69-D-17	37 6.53	-77 21.57	129.12	979903.103	-11.18	-15.58
70-A-1	37 10.17	-77 30.35	192.81	979902.453	-11.09	-17.67
70-A-2	37 9.17	-77 31.05	152.29	979904.315	-11.60	-16.79
70-A-3	37 7.55	-77 32.63	188.24	979902.667	-7.52	-13.94
70-A-4	37 9.12	-77 32.98	257.01	979901.077	-4.91	-13.68
70-A-5	37 8.73	-77 34.98	320.55	979901.021	1.56	-9.37
70-A-6	37 7.98	-77 36.80	251.25	979906.153	1.26	-7.31
70-A-7BR1	37 9.77	-77 36.28	196.00	979913.154	.49	-6.20
70-A-8	37 11.77	-77 36.48	289.58	979919.347	12.59	2.71
70-A-9	37 10.63	-77 33.68	279.70	979904.542	-1.51	-11.05
70-A-10 CON	37 11.72	-77 31.58	230.00	979904.664	-7.63	-15.47
70-A-11SE1	37 12.62	-77 32.67	229.00	979908.076	-5.61	-13.42
70-A-12SE2	37 14.83	-77 37.38	261.00	979922.426	8.54	-.36
70-A-13SE3	37 13.50	-77 35.18	257.00	979915.498	3.17	-5.60

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
70-A-14	37 13.93	-77 30.25	210.19	979907.645	-9.72	-16.89
70-A-15	37 13.98	-77 31.32	229.99	979907.687	-7.89	-15.73
70-A-16	37 14.32	-77 32.33	247.55	979908.855	-5.55	-13.99
70-A-17	37 14.70	-77 33.27	283.81	979909.242	-2.31	-11.99
70-B-1	37 8.47	-77 43.88	301.27	979925.935	25.05	14.77
70-B-2	37 9.18	-77 44.45	300.07	979927.460	25.43	15.19
70-B-3	37 14.05	-77 43.23	278.29	979938.233	27.11	17.61
70-B-4SE1	37 13.07	-77 44.60	249.00	979938.292	25.83	17.34
70-B-5	37 14.42	-77 44.55	224.09	979941.909	25.15	17.51
70-B-6	37 14.70	-77 42.08	208.97	979943.531	24.94	17.82
70-B-7	37 14.63	-77 39.75	175.78	979944.806	23.19	17.20
70-B-8SE2	37 11.80	-77 42.90	291.00	979933.633	26.96	17.03
70-B-9	37 9.83	-77 41.48	327.66	979918.768	18.39	7.21
70-B-10	37 11.48	-77 41.05	314.15	979923.110	19.07	8.36
70-B-11	37 13.68	-77 38.48	277.31	979928.992	18.30	8.85
70-B-12	37 13.22	-77 40.40	292.85	979934.117	25.57	15.58
70-B-13SE3	37 11.05	-77 38.48	298.00	979915.373	10.44	.28
70-B-14	37 10.10	-77 38.07	295.65	979910.446	6.67	-3.41
70-B-15	37 10.23	-77 40.05	306.60	979914.853	11.91	1.46
70-B-16SE4	37 8.43	-77 38.43	303.00	979906.607	5.93	-4.40
70-B-17SE5	37 8.68	-77 40.78	316.00	979915.431	15.62	4.84
70-C-1SE1	37 6.65	-77 43.78	275.00	979925.295	24.57	15.19
70-C-2SE2	37 6.28	-77 41.70	259.00	979924.520	22.82	13.98
70-C-3SE3	37 7.23	-77 40.27	300.00	979915.607	16.39	6.15
70-C-4	37 6.67	-77 38.40	280.88	979904.407	4.21	-5.37
70-C-5SE4	37 5.47	-77 39.42	228.00	979910.248	6.81	-.97
70-C-6SE5	37 4.43	-77 38.35	236.00	979902.988	1.80	-6.25
70-C-7SE6	37 4.98	-77 44.28	236.00	979923.992	22.01	13.96
70-C-8	37 4.15	-77 42.40	294.68	979918.672	23.41	13.36
70-C-9	37 3.53	-77 40.22	223.94	979916.484	15.46	7.82
70-C-10	37 3.02	-77 39.13	278.53	979905.076	9.93	.43
70-C-11	37 2.35	-77 38.57	300.21	979900.501	8.36	-1.88
70-C-12	37 2.07	-77 37.60	277.00	979897.826	3.91	-5.54
70-C-13SE7	37 3.77	-77 44.68	330.00	979916.374	24.99	13.73
70-C-14SE8	37 2.92	-77 42.57	260.00	979920.433	23.69	14.82
70-C-15SE9	37 1.90	-77 41.47	279.00	979914.477	20.99	11.48
70-C-16	37 .48	-77 38.28	236.77	979903.878	8.47	.39
70-C-17SE10	37 1.23	-77 43.83	337.00	979910.679	23.61	12.12
70-C-18	37 .27	-77 41.18	256.73	979913.597	20.38	11.62
70-D-1	37 4.85	-77 34.97	278.99	979894.568	-3.18	-12.70
70-D-2	37 5.40	-77 34.52	224.15	979899.007	-4.70	-12.34
70-D-3	37 6.02	-77 33.93	216.66	979900.193	-5.11	-12.50
70-D-4	37 6.87	-77 33.30	248.54	979899.004	-4.53	-13.00
70-D-5	37 5.97	-77 33.38	242.03	979897.679	-5.16	-13.42
70-D-6SE1	37 7.42	-77 36.08	306.00	979900.003	1.08	-9.35
70-D-7	37 4.60	-77 35.55	225.65	979898.033	-4.37	-12.07
70-D-8	37 1.93	-77 37.32	304.52	979894.628	3.50	-6.89
70-D-9	37 2.47	-77 34.33	225.14	979893.304	-6.07	-13.74
70-D-10	37 .90	-77 34.65	241.57	979888.305	-7.26	-15.50
70-D-11	37 .70	-77 36.15	299.69	979891.573	1.77	-8.45
70-D-12	37 3.37	-77 34.32	141.25	979901.407	-7.15	-11.97
70-D-13	37 3.97	-77 34.07	216.33	979897.085	-5.28	-12.66
70-D-14BR1	37 2.85	-77 33.20	125.00	979900.772	-8.57	-12.84
70-D-15SE2	37 1.75	-77 31.60	156.00	979896.418	-8.42	-13.74
70-D-16	37 .93	-77 30.57	157.85	979893.830	-9.65	-15.04
70-D-17	37 4.38	-77 32.70	225.98	979897.113	-4.95	-12.66
70-D-18	37 3.88	-77 31.40	181.21	979900.037	-5.51	-11.69
70-D-19SE3	37 5.72	-77 30.72	159.00	979903.344	-6.95	-12.37
70-D-20	37 4.33	-77 34.82	244.32	979895.918	-4.35	-12.68
70-D-21	37 3.27	-77 37.37	268.42	979896.069	-.39	-9.54
70-D-22	37 4.02	-77 36.13	154.41	979902.298	-5.97	-11.23
71-A-1	37 14.97	-77 48.87	320.04	979933.104	24.58	13.66
71-A-2SE1	37 14.57	-77 47.28	257.00	979937.996	24.12	15.35
71-A-3	37 14.35	-77 45.78	236.77	979943.601	28.13	20.06
71-A-4	37 12.83	-77 46.90	301.05	979932.339	25.11	14.84
71-A-5	37 11.98	-77 48.58	321.00	979928.445	24.33	13.38
71-A-6	37 12.75	-77 49.67	301.23	979930.419	23.33	13.06

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
71-A-7	37 14.10	-77 50.47	339.45	979930.151	24.71	13.13
71-A-8	37 12.52	-77 51.65	359.71	979927.612	26.36	14.09
71-A-9SE2	37 11.27	-77 52.33	369.00	979925.591	27.03	14.44
71-A-10	37 11.17	-77 50.40	349.52	979925.460	25.21	13.29
71-A-11	37 10.95	-77 47.12	326.69	979926.639	24.55	13.41
71-A-12	37 12.02	-77 45.70	223.29	979935.894	22.54	14.92
71-A-13	37 10.65	-77 45.57	263.56	979930.926	23.34	14.35
71-A-14	37 8.63	-77 45.87	324.71	979923.675	24.75	13.68
71-A-15	37 8.70	-77 47.82	361.24	979920.057	24.48	12.15
71-A-16SE3	37 8.55	-77 48.87	364.00	979919.537	24.43	12.02
71-A-17	37 8.57	-77 50.32	367.49	979919.487	24.69	12.15
71-A-18	37 9.97	-77 51.87	349.93	979924.327	25.85	13.91
71-A-19	37 7.68	-77 51.77	382.86	979917.669	25.59	12.53
71-B-1	37 14.70	-77 59.03	319.95	979941.750	33.60	22.69
71-B-2	37 8.87	-77 59.37	353.58	979929.199	32.66	20.60
71-B-3	37 10.32	-77 59.93	353.63	979932.975	34.34	22.28
71-B-4	37 12.03	-77 58.88	332.19	979937.980	34.84	23.51
71-B-5	37 11.63	-77 57.15	242.68	979942.128	31.15	22.87
71-B-6	37 11.67	-77 54.88	374.67	979929.140	30.53	17.75
71-B-7	37 10.82	-77 54.97	388.04	979926.151	30.03	16.79
71-B-8	37 14.93	-77 59.45	333.94	979940.906	33.74	22.35
71-B-9	37 14.63	-77 57.85	302.65	979942.640	32.96	22.64
71-B-10	37 14.53	-77 55.45	248.71	979944.712	30.10	21.62
71-B-11	37 13.77	-77 53.32	325.54	979934.058	27.79	16.68
71-B-12	37 11.07	-77 52.53	387.77	979923.970	27.46	14.23
71-B-13	37 7.95	-77 54.65	410.45	979917.840	27.97	13.97
71-C-1 BASE	37 4.77	-77 59.93	427.33	979912.670	28.99	14.41
71-C-2	37 2.47	-77 59.62	388.25	979906.860	22.83	9.59
71-C-3	37 1.70	-77 59.23	388.80	979904.636	21.77	8.51
71-C-4	37 0.78	-77 58.68	359.61	979903.796	19.51	7.24
71-C-5	37 0.98	-77 57.97	357.07	979904.336	19.52	7.34
71-C-6	37 3.87	-77 58.33	401.60	979909.100	24.30	10.61
71-C-7	37 5.17	-77 58.55	447.33	979909.534	27.16	11.90
71-C-8	37 5.97	-77 58.53	445.79	979912.725	29.05	13.85
71-C-9	37 7.10	-77 59.45	408.27	979920.243	31.40	17.47
71-C-10	37 5.62	-77 59.62	426.03	979914.993	29.97	15.44
71-C-11	37 6.70	-77 54.92	414.16	979914.977	27.27	13.14
71-C-12	37 2.03	-77 53.38	352.85	979907.131	20.40	8.36
71-C-13	37 1.77	-77 55.93	377.20	979905.643	21.59	8.72
71-C-14	37 0.72	-77 54.67	363.67	979903.520	19.71	7.31
71-C-15	37 0.15	-77 53.15	304.94	979905.412	16.90	6.49
71-D-1	37 6.88	-77 51.37	386.61	979916.108	25.54	12.35
71-D-2	37 5.93	-77 46.88	353.06	979917.743	25.39	13.35
71-D-3SE1	37 5.40	-77 48.65	304.00	979918.525	22.33	11.96
71-D-4SE2	37 7.05	-77 49.68	361.00	979917.663	24.45	12.13
71-D-5	37 3.88	-77 51.02	371.08	979909.381	21.69	9.03
71-D-6SE3	37 3.43	-77 49.35	368.00	979910.622	23.29	10.74
71-D-7	37 4.23	-77 46.67	317.30	979920.001	26.75	15.92
71-D-8SE4	37 2.88	-77 45.13	347.00	979915.457	26.95	15.11
71-D-9	37 2.23	-77 46.23	359.25	979913.498	27.08	14.83
71-D-10SE7	37 .08	-77 46.25	313.00	979907.297	19.63	8.96
71-D-11	37 2.72	-77 48.17	375.79	979910.516	24.95	12.14
71-D-12	37 1.88	-77 48.08	339.79	979911.068	23.33	11.74
71-D-13	37 1.15	-77 48.08	349.67	979907.658	21.90	9.98
71-D-14SE5	37 .68	-77 50.65	298.00	979907.241	17.30	7.14
71-D-15SE6	37 1.88	-77 50.72	300.00	979909.816	18.33	8.10
98-A-1	37 26.27	-77 1.30	44.32	979945.754	-5.09	-6.60
98-A-2	37 27.17	-77 4.63	44.76	979967.949	15.84	14.32
98-A-3	37 27.72	-77 6.15	106.24	979971.992	24.87	21.25
98-A-4	37 27.52	-77 5.82	80.36	979972.245	22.98	20.24
98-A-5	37 26.87	-77 4.13	35.57	979965.093	12.56	11.35
98-A-6	37 26.55	-77 2.93	28.93	979957.089	4.39	3.40
98-A-7	37 26.12	-77 .55	41.78	979944.767	-6.09	-7.52
98-A-8	37 27.35	-77 2.20	65.06	979949.492	-.97	-3.19
98-A-9	37 28.13	-77 2.02	130.66	979943.630	-1.80	-6.25
98-A-10SE1	37 29.17	-77 3.82	129.00	979954.793	7.71	3.31
98-A-11SE2	37 24.88	-77 5.67	126.00	979967.972	26.82	22.52

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
98-A-12SE3	37 26.18	-77 7.03	108.00	979977.663	32.93	29.25
98-A-13	37 23.60	-77 5.80	136.90	979966.329	28.06	23.40
98-A-14SE4	37 23.87	-77 6.45	119.00	979970.308	29.97	25.91
98-A-15	37 23.32	-77 5.10	111.34	979963.851	23.59	19.80
98-A-16	37 22.67	-77 4.77	97.35	979962.857	22.23	18.91
98-A-17SE5	37 25.85	-77 4.70	112.00	979964.634	20.77	16.95
98-A-18	37 25.73	-77 2.32	12.85	979954.118	1.09	.65
98-A-19	37 23.98	-77 2.90	42.98	979955.435	7.78	6.32
98-A-20SE6	37 22.77	-77 .37	128.00	979934.435	-3.46	-7.82
98-A-21	37 24.27	-77 1.50	90.00	979943.120	-.52	-3.59
98-A-22	37 23.13	-77 3.48	116.86	979955.080	15.61	11.62
98-B-1	37 29.95	-77 8.32	106.14	979973.897	23.53	19.91
98-B-2	37 29.90	-77 10.40	62.20	979980.770	26.34	24.22
98-B-3SE1	37 27.98	-77 9.50	62.00	979982.513	30.84	28.73
98-B-4	37 27.08	-77 12.78	152.00	979973.047	31.15	25.97
98-B-5	37 29.58	-77 12.67	156.26	979974.418	29.29	23.96
98-B-6SE2	37 28.05	-77 12.50	69.00	979979.892	28.79	26.43
98-B-7	37 25.17	-77 14.72	75.37	979973.002	26.68	24.11
98-B-8SE3	37 26.73	-77 14.02	149.00	979971.209	29.54	24.46
98-B-9	37 26.08	-77 8.45	140.93	979979.039	37.55	32.75
98-B-10	37 24.23	-77 8.42	138.11	979977.836	38.77	34.06
98-B-11	37 22.57	-77 9.60	107.33	979976.595	37.05	33.39
98-B-12SE4	37 23.67	-77 8.55	111.00	979977.837	37.04	33.25
98-B-13	37 24.05	-77 10.10	140.31	979974.963	36.37	31.58
98-B-14	37 24.17	-77 11.42	116.40	979974.481	33.47	29.50
98-B-15	37 24.75	-77 11.82	123.93	979974.118	32.97	28.74
98-B-16	37 25.32	-77 12.35	138.11	979971.983	31.34	26.63
98-B-17SE5	37 25.93	-77 10.10	142.00	979977.616	36.45	31.60
98-C-1SE1	37 20.02	-77 7.58	54.00	979971.175	30.31	28.47
98-C-2	37 20.03	-77 9.18	55.09	979976.329	35.54	33.66
98-C-3	37 20.87	-77 9.77	48.99	979977.105	34.54	32.86
98-C-4	37 21.68	-77 9.48	61.56	979978.064	35.49	33.39
98-C-5SE2	37 22.10	-77 8.08	64.00	979979.187	36.24	34.06
98-C-6	37 20.23	-77 10.63	33.02	979974.810	31.66	30.53
98-C-7	37 19.97	-77 11.70	46.47	979968.192	26.69	25.10
98-C-8SE3	37 21.60	-77 11.80	70.00	979971.970	30.31	27.93
98-C-9	37 20.48	-77 12.85	48.12	979968.296	26.20	24.56
98-C-10	37 21.67	-77 13.60	61.55	979968.643	26.10	24.00
98-C-11	37 18.23	-77 13.42	18.35	979962.119	20.48	19.86
98-C-12	37 17.17	-77 13.58	106.76	979952.683	20.91	17.27
98-C-13	37 16.55	-77 12.42	113.99	979955.191	24.99	21.10
98-C-14	37 16.00	-77 11.43	123.89	979955.119	26.65	22.42
98-C-15	37 15.17	-77 10.08	61.35	979959.151	26.00	23.91
98-C-16	37 15.95	-77 7.95	66.38	979958.288	24.48	22.21
98-C-17SE4	37 16.97	-77 8.17	70.00	979960.678	25.74	23.35
98-D-1	37 20.48	-77 4.37	45.04	979960.433	18.05	16.51
98-D-2	37 22.12	-77 4.28	59.60	979962.691	19.31	17.27
98-D-3	37 20.02	-77 5.68	34.78	979965.697	23.02	21.84
98-D-4	37 20.42	-77 3.52	33.13	979957.629	14.22	13.09
98-D-5SE1	37 17.48	-77 3.75	8.00	979956.018	14.50	14.22
98-D-6SE2	37 17.53	-77 6.42	46.00	979962.044	24.02	22.45
98-D-7SE3	37 15.13	-77 6.67	89.00	979951.560	21.06	18.02
98-D-8SE4	37 15.68	-77 5.13	56.00	979950.883	16.48	14.57
98-D-9	37 16.60	-77 .82	13.71	979941.415	1.71	1.24
98-D-10	37 15.25	-77 2.92	18.42	979945.207	7.90	7.27
99-A-1SE1	37 28.30	-77 22.40	113.00	979953.061	5.73	1.88
99-A-2SE2	37 28.85	-77 18.78	154.00	979960.541	16.27	11.02
99-A-3SE3	37 28.48	-77 16.40	163.00	979966.668	23.77	18.22
99-A-4SE4	37 26.78	-77 15.42	148.00	979968.308	26.47	21.42
99-A-5	37 25.23	-77 17.83	14.00	979973.271	21.08	20.60
99-A-6SE5	37 24.70	-77 21.42	87.00	979945.848	1.29	-1.67
99-A-7SE6	37 26.60	-77 22.15	155.00	979945.835	4.92	-.36
99-A-8SE7	37 24.33	-77 15.97	48.00	979971.350	23.66	22.02
99-B-1	37 22.57	-77 29.40	198.81	979929.633	-1.31	-8.09
99-B-2	37 22.85	-77 27.23	112.05	979935.135	-4.38	-8.20
99-B-3	37 23.63	-77 25.75	133.84	979936.483	-2.12	-6.68
99-B-4	37 22.77	-77 25.32	64.44	979939.571	-4.30	-6.50

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
99-B-5SE1	37 25.08	-77 28.17	186.00	979936.913	1.12	-5.23
99-B-6	37 26.60	-77 29.37	193.48	979940.885	3.59	-3.01
99-B-7	37 28.03	-77 29.42	200.39	979944.348	5.62	-1.21
99-B-8	37 28.10	-77 25.67	81.36	979953.710	3.69	.92
99-B-9	37 27.52	-77 25.32	44.44	979954.743	2.10	.58
99-B-10	37 26.62	-77 25.52	27.14	979952.951	-.01	-.94
99-B-11	37 25.17	-77 25.68	109.54	979942.745	-.37	-4.10
99-C-1	37 19.60	-77 29.28	189.74	979923.406	-4.09	-10.56
99-C-2	37 20.02	-77 27.60	172.89	979924.607	-5.08	-10.97
99-C-3SE1	37 17.98	-77 26.70	117.00	979923.248	-8.75	-12.74
99-C-4	37 16.52	-77 25.95	69.98	979922.258	-12.03	-14.42
99-C-5SE2	37 15.87	-77 23.60	62.00	979923.340	-10.76	-12.88
99-C-6	37 16.07	-77 26.92	161.53	979915.915	-9.11	-14.62
99-C-7SE3	37 15.87	-77 29.90	170.00	979916.194	-7.75	-13.55
99-C-8	37 16.58	-77 29.95	184.08	979917.511	-6.15	-12.42
99-C-9	37 17.78	-77 29.85	181.80	979920.447	-5.16	-11.36
99-C-10	37 21.55	-77 26.33	179.83	979927.604	-3.65	-9.78
99-C-11	37 22.10	-77 25.03	150.68	979932.522	-2.27	-7.41
99-C-12SE4	37 20.15	-77 23.02	170.00	979928.006	-2.14	-7.94
99-C-13SE5	37 18.43	-77 24.55	119.00	979925.161	-7.30	-11.36
99-C-14SE6	37 19.57	-77 25.87	173.00	979923.368	-5.65	-11.55
99-D-1	37 17.40	-77 18.05	56.02	979941.791	4.91	2.99
99-D-2	37 18.15	-77 17.32	49.79	979948.437	9.88	8.18
99-D-3	37 17.68	-77 19.18	60.43	979936.127	-.75	-2.81
99-D-4SE1	37 17.40	-77 20.67	94.00	979928.849	-4.46	-7.67
99-D-5SE2	37 15.35	-77 21.90	37.00	979928.370	-7.33	-8.60
99-D-6SE3	37 15.57	-77 17.00	120.00	979940.393	12.18	8.09
99-D-7	37 20.98	-77 20.88	131.03	979934.025	-1.00	-5.47
99-D-8SE4	37 22.23	-77 19.40	89.00	979951.379	10.59	7.56
99-D-9	37 20.63	-77 18.68	81.94	979946.596	7.46	4.67
99-D-10SE5	37 19.43	-77 20.32	94.00	979933.738	-2.52	-5.73
99-D-11	37 19.73	-77 19.40	38.12	979942.189	.24	-1.06
99-D-12	37 20.48	-77 16.28	8.16	979961.408	15.55	15.27
100-A-1 BASE	37 22.57	-77 30.42	209.65	979929.270	-0.65	-7.81
100-A-2	37 29.70	-77 33.43	315.77	979939.509	9.22	-1.55
100-A-3	37 29.87	-77 34.17	299.70	979941.425	9.38	-.84
100-A-4	37 29.93	-77 36.43	369.70	979937.890	12.34	-.27
100-A-5	37 24.57	-77 30.10	196.77	979935.880	1.85	-4.87
100-A-6	37 23.87	-77 32.12	203.10	979934.562	2.14	-4.79
100-A-7	37 24.68	-77 34.10	281.00	979932.952	6.67	-2.91
100-A-8	37 24.93	-77 35.37	263.74	979935.408	7.14	-1.85
100-A-9	37 23.27	-77 35.97	239.80	979932.904	4.80	-3.38
100-A-10	37 22.70	-77 36.40	254.70	979931.077	5.20	-3.49
100-A-11	37 26.00	-77 33.00	229.59	979939.650	6.62	-1.21
100-A-12	37 27.45	-77 32.00	221.41	979942.910	7.01	-.54
100-A-13	37 27.27	-77 30.67	202.45	979942.918	5.50	-1.40
100-A-14	37 26.62	-77 34.92	239.88	979940.205	7.25	-.93
100-A-15SE1	37 28.42	-77 35.83	284.00	979940.261	8.85	-.84
100-B-1	37 25.12	-77 38.35	252.94	979939.404	9.86	1.23
100-B-2	37 24.23	-77 40.23	249.79	979940.249	11.69	3.17
100-B-3	37 23.12	-77 40.55	261.98	979938.103	12.30	3.37
100-B-4	37 22.58	-77 38.75	294.37	979929.510	7.53	-2.51
100-B-5	37 24.15	-77 41.60	239.71	979941.206	11.81	3.64
100-B-6	37 23.90	-77 42.63	303.75	979937.304	14.30	3.94
100-B-7	37 25.05	-77 43.85	267.93	979941.802	13.76	4.62
100-B-8	37 27.00	-77 38.55	265.51	979942.158	11.06	2.00
100-B-9	37 28.75	-77 39.33	360.80	979937.351	12.68	.37
100-B-10	37 26.60	-77 40.47	178.70	979947.657	8.97	2.88
100-B-11	37 26.83	-77 42.52	266.03	979943.743	12.94	3.86
100-B-12	37 27.22	-77 44.67	282.13	979946.026	16.18	6.55
100-B-13	37 28.80	-77 44.35	221.30	979955.084	17.22	9.67
100-B-14	37 28.52	-77 41.58	316.65	979942.187	13.70	2.90
100-C-1	37 21.12	-77 39.12	307.16	979927.730	9.08	-1.39
100-C-2	37 21.65	-77 40.83	338.46	979932.729	16.25	4.71
100-C-3	37 22.28	-77 42.37	281.18	979940.000	17.22	7.63
100-C-4	37 22.42	-77 43.83	239.44	979942.202	15.30	7.13
100-C-5	37 22.08	-77 44.60	330.61	979935.579	17.74	6.46

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
100-C-6	37 20.83	-77 43.40	250.00	979943.370	19.76	11.23
100-C-7	37 20.65	-77 42.55	285.00	979943.997	23.94	14.22
100-C-8SE1	37 18.77	-77 37.57	305.00	979922.161	6.71	-3.69
100-C-9SE2	37 17.37	-77 37.95	272.00	979923.788	7.27	-2.01
100-C-10	37 19.53	-77 39.18	310.78	979926.060	10.05	-.55
100-C-11	37 19.72	-77 41.45	227.79	979942.668	18.58	10.81
100-C-12	37 19.80	-77 43.43	204.00	979950.473	24.03	17.07
100-C-13	37 19.58	-77 43.92	222.27	979945.608	21.20	13.62
100-C-14	37 18.45	-77 44.08	258.59	979944.980	25.63	16.81
100-C-15	37 17.82	-77 43.65	255.85	979945.132	26.44	17.71
100-C-16	37 16.52	-77 43.55	266.65	979941.829	26.04	16.94
100-C-17	37 16.13	-77 41.15	260.84	979939.728	23.94	15.05
100-C-18SE3	37 15.55	-77 38.33	246.30	979930.047	13.74	5.34
100-C-19	37 15.17	-77 43.30	295.73	979937.592	26.49	16.40
100-D-1	37 22.07	-77 31.07	127.04	979933.554	-3.41	-7.75
100-D-2	37 22.32	-77 32.95	223.59	979929.506	1.26	-6.37
100-D-3	37 22.17	-77 34.05	282.55	979926.571	4.09	-5.55
100-D-4	37 21.63	-77 34.73	287.39	979926.259	5.00	-4.80
100-D-5	37 21.32	-77 35.72	275.88	979926.497	4.62	-4.79
100-D-6	37 20.98	-77 37.48	300.69	979925.184	6.12	-4.14
100-D-7	37 22.13	-77 35.72	229.04	979931.162	3.69	-4.12
100-D-8	37 21.12	-77 32.45	141.28	979930.954	-3.30	-8.12
100-D-9	37 20.00	-77 33.03	216.44	979925.288	-.27	-7.66
100-D-10SE1	37 17.95	-77 30.12	186.00	979920.706	-4.75	-11.09
100-D-11	37 19.10	-77 31.18	205.44	979922.486	-2.81	-9.81
100-D-12	37 16.53	-77 31.95	220.76	979915.431	-4.70	-12.23
100-D-13SE2	37 15.98	-77 30.10	205.50	979913.564	-7.21	-14.22
100-D-14	37 16.33	-77 33.93	310.67	979910.733	-.65	-11.25
100-D-15BR1	37 17.15	-77 37.22	170.00	979928.074	2.27	-3.53
100-D-16	37 17.12	-77 34.90	331.04	979912.938	2.33	-8.96
100-D-17	37 18.95	-77 36.23	265.87	979922.722	3.33	-5.74
100-D-18	37 17.97	-77 33.87	185.73	979922.669	-2.84	-9.17
101-A-1	37 27.60	-77 46.60	322.13	979949.204	22.56	11.57
101-A-2	37 27.58	-77 48.90	311.46	979958.701	31.08	20.46
101-A-3	37 27.85	-77 50.92	352.34	979959.094	34.93	22.91
101-A-4	37 28.53	-77 52.10	256.55	979967.349	33.18	24.43
101-A-5SE1	37 29.45	-77 48.28	373.00	979956.956	32.41	19.69
101-A-6SE2	37 28.62	-77 47.23	349.00	979952.938	27.35	15.44
101-A-7	37 26.08	-77 47.05	312.50	979946.548	21.20	10.54
101-A-8	37 25.45	-77 47.40	236.53	979950.834	19.26	11.19
101-A-9	37 24.58	-77 47.52	308.01	979944.820	21.22	10.72
101-A-10	37 22.63	-77 48.45	307.33	979943.451	22.62	12.14
101-A-11	37 22.75	-77 45.32	314.99	979937.223	16.94	6.20
101-A-12	37 24.43	-77 49.22	241.19	979954.548	24.89	16.66
101-A-13SE3	37 25.90	-77 50.82	297.00	979958.948	32.41	22.28
101-B-1	37 28.62	-77 58.02	291.56	979964.846	33.85	23.91
101-B-2	37 29.73	-77 56.97	352.76	979962.217	35.36	23.33
101-B-3	37 29.07	-77 55.32	274.42	979965.887	32.63	23.27
101-B-4	37 28.53	-77 53.65	204.92	979969.347	30.32	23.33
101-B-5	37 27.23	-77 57.57	354.00	979958.692	35.58	23.50
101-B-6	37 24.52	-77 58.75	289.69	979956.786	31.56	21.68
101-B-7	37 23.58	-77 59.77	340.47	979951.743	32.65	21.04
101-B-8	37 23.12	-77 56.85	334.07	979951.074	32.06	20.66
101-B-9	37 26.67	-77 56.00	336.80	979958.063	34.15	22.67
101-B-10	37 23.25	-77 54.20	284.31	979955.313	31.42	21.73
101-B-11	37 22.60	-77 54.15	305.05	979952.718	31.72	21.32
101-B-12	37 24.40	-77 53.32	247.33	979960.253	31.22	22.78
101-B-13	37 25.90	-77 53.60	330.28	979958.389	34.98	23.71
101-C-1	37 17.48	-77 52.75	254.54	979945.464	27.13	18.45
101-C-2	37 18.25	-77 53.10	296.15	979945.378	29.85	19.75
101-C-3	37 18.75	-77 55.33	348.53	979942.680	31.35	19.47
101-C-4	37 19.13	-77 56.97	349.39	979941.813	30.01	18.09
101-C-5	37 19.83	-77 59.18	405.62	979942.496	34.97	21.13
101-C-6	37 20.63	-77 58.83	365.93	979945.830	33.41	20.93
101-C-7	37 21.80	-77 56.82	353.31	979946.481	31.18	19.13
101-C-8	37 18.08	-77 59.67	392.08	979941.461	35.20	21.82
101-C-9	37 16.57	-77 57.10	370.64	979940.195	34.11	21.47

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
101-C-10	37 16.32	-77 56.03	343.37	979940.030	31.74	20.03
101-C-11	37 16.77	-77 54.20	302.24	979942.904	30.10	19.79
101-C-12	37 15.25	-77 52.58	293.76	979937.944	26.54	16.52
101-D-1	37 20.90	-77 45.62	253.18	979939.670	16.26	7.62
101-D-2	37 19.23	-77 45.40	305.34	979935.565	19.47	9.06
101-D-3SE1	37 18.35	-77 45.22	335.00	979933.468	21.45	10.02
101-D-4	37 18.87	-77 47.43	267.70	979939.185	20.09	10.96
101-D-5	37 19.12	-77 48.17	186.62	979945.995	18.91	12.54
101-D-6	37 19.13	-77 49.48	291.13	979941.488	24.21	14.28
101-D-7	37 19.17	-77 51.53	292.64	979944.909	27.72	17.74
101-D-8	37 21.52	-77 52.42	248.83	979954.355	29.64	21.15
101-D-9	37 21.28	-77 51.10	199.89	979955.564	26.58	19.77
101-D-10	37 22.17	-77 48.95	303.63	979944.693	24.19	13.83
101-D-11	37 17.67	-77 48.82	265.92	979940.009	22.48	13.41
101-D-12	37 15.15	-77 49.78	334.41	979932.497	25.06	13.65
101-D-13	37 15.30	-77 50.78	322.79	979933.293	24.54	13.53
101-D-14	37 16.50	-77 51.03	264.96	979938.646	22.72	13.68
101-D-15	37 16.10	-77 52.27	252.78	979941.599	25.10	16.48
101-D-16SE2	37 15.88	-77 46.13	282.00	979936.522	23.09	13.47

APPENDIX II: PRINCIPAL FACTS FOR POINTS IN SHEET 13

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
1-B-1SE1	36 43.37	-75 59.63	7.00	979853.723	-38.61	-38.85
1-B-2	36 44.72	-75 56.82	5.72	979853.973	-40.42	-40.62
1-B-3SE2	36 42.12	-75 58.80	3.00	979850.878	-40.04	-40.15
1-B-4SE3	36 40.82	-75 59.08	2.00	979848.631	-40.50	-40.57
1-B-5SE4	36 38.98	-75 59.65	3.00	979845.827	-40.57	-40.68
1-C-1SE1	36 33.00	-75 55.70	10.00	979835.806	-41.33	-41.67
2-A-1SE1	36 41.65	-76 1.47	15.00	979851.539	-37.57	-38.08
2-A-2SE2	36 40.07	-76 1.77	12.00	979849.526	-37.58	-37.99
2-A-3SE3	36 38.65	-76 2.00	12.00	979848.057	-37.01	-37.42
2-A-4SE4	36 40.37	-76 .02	9.00	979848.041	-39.78	-40.09
2-A-5	36 44.68	-76 4.27	15.95	979862.162	-31.23	-31.77
2-A-6SE5	36 43.32	-76 3.12	10.00	979858.153	-33.83	-34.17
2-A-7	36 43.08	-76 6.03	2.43	979860.619	-31.74	-31.82
2-A-8SE6	36 42.32	-76 7.02	14.00	979860.158	-30.00	-30.48
2-A-9	36 40.95	-76 6.17	7.84	979858.495	-30.28	-30.55
2-A-10SE7	36 38.28	-76 5.77	11.00	979856.422	-28.22	-28.59
2-B-1	36 42.58	-76 12.07	19.44	979862.702	-27.34	-28.00
2-B-2	36 42.95	-76 9.83	9.88	979862.728	-28.73	-29.07
2-B-3	36 42.50	-76 7.70	13.40	979860.985	-29.50	-29.95
2-B-4SE1	36 40.62	-76 8.80	10.00	979861.449	-26.64	-26.98
2-B-5SE6	36 37.90	-76 12.52	19.00	979860.045	-23.29	-23.94
2-B-6SE2	36 38.60	-76 14.20	22.00	979859.660	-24.40	-25.15
2-B-7SE3	36 39.90	-76 11.80	22.00	979860.995	-24.93	-25.69
2-B-8	36 41.50	-76 11.23	20.56	979861.712	-26.66	-27.36
2-B-9	36 44.98	-76 14.22	15.23	979866.521	-27.37	-27.89
2-B-10	36 44.62	-76 13.48	22.02	979865.337	-27.38	-28.13
2-B-11	36 44.20	-76 12.02	12.00	979865.108	-27.95	-28.36
2-B-12	36 44.27	-76 10.47	11.71	979864.197	-28.99	-29.39
2-B-13SE4	36 37.97	-76 9.68	12.00	979859.981	-24.11	-24.52
2-B-14SE5	36 39.28	-76 8.67	9.00	979860.371	-25.89	-26.20
2-C-1	36 34.70	-76 7.85	2.88	979857.992	-22.25	-22.35
2-C-2	36 35.32	-76 10.55	10.71	979859.398	-21.00	-21.36
2-C-3SE1	36 36.68	-76 9.23	13.00	979858.902	-23.25	-23.69
2-C-4SE2	36 33.02	-76 11.58	7.00	979858.453	-18.99	-19.22
2-C-5SE3	36 32.48	-76 14.95	20.00	979858.176	-17.27	-17.95
2-C-6SE4	36 34.22	-76 14.80	18.00	979858.979	-19.15	-19.76
2-C-7SE5	36 36.27	-76 14.18	17.00	979863.288	-17.88	-18.46
2-C-8	36 34.52	-76 12.02	4.86	979861.367	-18.43	-18.59
2-C-9SE6	36 36.17	-76 12.68	18.00	979860.816	-20.12	-20.73
2-D-1SE1	36 34.18	-76 .35	4.96	979845.980	-33.33	-33.50
2-D-2SE2	36 37.10	-76 2.23	11.00	979847.285	-35.65	-36.02
2-D-3	36 33.02	-76 .27	9.14	979843.531	-33.71	-34.02
2-D-4SE3	36 34.75	-76 1.17	9.00	979847.430	-32.31	-32.62
2-D-5SE4	36 36.05	-76 5.27	13.00	979854.468	-26.77	-27.21
2-D-6SE5	36 35.70	-76 7.35	11.00	979856.788	-24.13	-24.51
2-D-7SE6	36 34.28	-76 4.62	10.00	979852.931	-26.05	-26.39
2-D-8SE7	36 34.28	-76 7.35	8.00	979857.496	-21.67	-21.94
2-D-9SE8	36 33.10	-76 4.42	8.00	979852.084	-25.38	-25.65
2-D-10	36 37.05	-76 7.33	6.25	979857.631	-25.68	-25.89
3-A-1	36 43.05	-76 19.42	9.93	979871.709	-19.90	-20.23
3-A-2SE1	36 41.33	-76 19.77	18.00	979873.242	-15.13	-15.74
3-A-3	36 39.18	-76 22.15	15.30	979879.292	-6.24	-6.76
3-A-4	36 37.62	-76 19.35	18.36	979869.083	-13.90	-14.53
3-A-5SE2	36 41.77	-76 16.35	14.00	979855.546	-23.82	-24.30
3-A-6SE3	36 44.75	-76 15.70	20.00	979867.843	-25.26	-25.94
[illegible]	36 37.82	-76 16.52	18.50	979862.881	-20.38	[illegible]

BR Denotes bridge elevation

SE Denotes checked spot elevation

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
3-D-3SE3	36 35.67	-76 18.50	16.00	979864.666	-15.74	-16.28
3-D-4SE4	36 33.77	-76 15.93	19.00	979860.124	-17.26	-17.91
3-D-5SE5	36 36.98	-76 16.70	5.00	979863.209	-20.12	-20.29
4-A-1 BASE	36 43.78	-76 34.97	53.55	979877.349	-11.20	-13.03
4-A-2	36 44.27	-76 34.97	31.09	979878.867	-12.50	-13.56
4-A-3	36 44.23	-76 33.98	28.29	979877.470	-14.11	-15.08
4-A-4	36 44.40	-76 33.52	14.15	979877.267	-15.88	-16.36
4-A-5	36 44.73	-76 32.43	23.97	979875.066	-17.64	-18.46
4-A-6	36 44.97	-76 31.72	20.47	979873.876	-19.49	-20.19
4-A-7	36 43.82	-76 33.65	30.37	979876.936	-13.85	-14.88
4-A-8	36 44.05	-76 35.92	42.23	979879.897	-10.11	-11.55
4-A-9	36 43.88	-76 36.75	41.96	979881.697	-8.09	-9.52
4-A-10SE1	36 41.98	-76 33.70	66.00	979875.374	-9.42	-11.67
4-A-11SE2	36 40.70	-76 33.63	57.00	979875.907	-7.88	-9.83
4-A-12SE3	36 39.80	-76 33.60	52.00	979876.722	-6.24	-8.02
4-A-13	36 38.28	-76 34.73	53.66	979874.090	-6.54	-8.37
4-A-14	36 43.43	-76 34.70	48.77	979877.474	-11.03	-12.69
4-A-15SE4	36 43.00	-76 35.43	54.00	979877.710	-9.67	-11.52
4-A-16SE5	36 42.27	-76 35.88	55.00	979877.498	-8.74	-10.61
4-A-17	36 41.53	-76 36.40	67.08	979876.413	-7.63	-9.92
4-A-18	36 40.82	-76 36.63	71.46	979876.187	-6.41	-8.85
4-A-19SE6	36 38.52	-76 36.83	67.00	979874.657	-5.05	-7.33
4-A-20SE7	36 42.83	-76 34.73	51.00	979877.493	-9.93	-11.67
4-A-21	36 41.88	-76 35.27	59.85	979876.304	-8.92	-10.96
4-A-22	36 41.15	-76 35.30	64.68	979875.503	-8.21	-10.42
4-A-23	36 39.72	-76 34.90	64.68	979874.784	-6.87	-9.07
4-B-1	36 43.72	-76 37.52	81.59	979880.765	-5.06	-7.84
4-B-2	36 43.98	-76 39.33	71.98	979885.083	-2.03	-4.48
4-B-3SE1	36 44.93	-76 41.33	55.00	979881.955	-8.12	-10.00
4-B-4SE2	36 43.72	-76 42.62	77.00	979878.767	-7.49	-10.11
4-B-5SE3	36 43.93	-76 44.47	81.00	979879.668	-6.52	-9.28
4-B-6	36 42.60	-76 44.47	79.38	979879.986	-4.43	-7.14
4-B-7SE4	36 43.43	-76 43.40	72.00	979878.811	-7.50	-9.96
4-B-8	36 41.85	-76 42.67	69.80	979880.340	-3.91	-6.29
4-B-9SE5	36 42.83	-76 40.10	72.00	979881.898	-3.55	-6.01
4-B-10	36 42.30	-76 38.92	69.01	979881.045	-3.92	-6.27
4-B-11SE6	36 37.75	-76 42.73	67.00	979874.864	-3.74	-6.02
4-B-12	36 39.03	-76 44.53	60.00	979877.686	-3.42	-5.47
4-B-13SE7	36 39.47	-76 42.03	62.00	979881.038	-.51	-2.62
4-B-14SE8	36 38.57	-76 39.33	66.00	979878.076	-1.80	-4.05
4-B-15	36 40.32	-76 37.80	71.82	979878.005	-3.84	-6.29
4-B-16SE9	36 40.67	-76 39.25	68.00	979880.182	-2.52	-4.84
4-B-17SE10	36 41.15	-76 41.23	74.00	979879.572	-3.27	-5.79
4-B-18SE11	36 37.53	-76 40.73	73.00	979874.861	-2.87	-5.35
4-B-19SE12	36 40.52	-76 44.07	59.00	979880.880	-2.46	-4.47
4-C-1SE1	36 34.35	-76 38.23	66.50	979865.480	-8.28	-10.55
4-C-2SE2	36 35.72	-76 38.27	65.00	979869.571	-6.29	-8.51
4-C-3SE3	36 35.08	-76 40.67	54.00	979864.486	-11.50	-13.35
4-C-4SE4	36 33.13	-76 38.03	53.00	979864.685	-8.59	-10.40
4-C-5SE5	36 33.17	-76 41.17	75.00	979861.791	-9.47	-12.02
4-C-6SE6	36 33.32	-76 44.02	59.00	979863.864	-9.11	-11.13
4-C-7	36 37.07	-76 38.42	71.84	979874.898	-2.27	-4.72
4-C-8	36 36.70	-76 39.73	71.34	979874.488	-2.20	-4.63
4-C-9SE7	36 34.25	-76 44.00	58.00	979864.683	-9.73	-11.71
4-C-10	36 36.23	-76 42.22	53.57	979869.519	-8.17	-9.99
4-C-11SE8	36 37.02	-76 43.35	59.00	979871.378	-6.92	-8.93
4-C-12	36 37.03	-76 43.83	60.56	979870.962	-7.21	-9.28
4-C-13SE9	36 35.58	-76 44.28	41.00	979868.004	-9.93	-11.33
4-D-1	36 37.08	-76 35.45	54.00	979872.418	-6.45	-8.29
4-D-2SE2	36 35.87	-76 35.43	60.00	979869.445	-7.11	-9.15
4-D-3SE3	36 34.78	-76 36.07	68.00	979867.160	-7.08	-9.40
4-D-4	36 34.10	-76 34.95	57.95	979866.482	-7.72	-9.70
4-D-5SE4	36 33.35	-76 36.90	41.00	979866.251	-8.47	-9.87
4-D-6	36 33.03	-76 34.55	43.95	979865.654	-8.33	-9.83
4-D-7SE5	36 33.82	-76 33.20	52.00	979867.860	-6.50	-8.27
4-D-8SE6	36 33.03	-76 33.48	54.00	979866.109	-6.93	-8.77
4-D-9SE7	36 36.85	-76 33.47	32.00	979873.315	-7.28	-8.38

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
5-A-1	36 40.42	-76 47.20	78.49	979876.869	-4.49	-7.17
5-A-2	36 39.52	-76 48.88	60.05	979877.748	-4.05	-6.10
5-A-3	36 39.02	-76 50.97	62.15	979873.177	-7.70	-9.82
5-A-4SE1	36 37.55	-76 50.28	63.00	979869.076	-9.61	-11.76
5-A-5SE2	36 37.62	-76 52.23	95.00	979869.505	-6.27	-9.51
5-A-6SE3	36 38.27	-76 48.35	79.00	979872.762	-5.46	-8.15
5-A-7SE4	36 38.42	-76 47.03	77.00	979871.604	-7.02	-9.64
5-A-8SE5	36 38.42	-76 45.25	78.00	979873.666	-4.86	-7.52
5-A-9SE6	36 39.62	-76 45.60	78.00	979877.569	-2.69	-5.35
5-A-10	36 42.73	-76 49.58	70.23	979885.002	-.47	-2.87
5-A-11	36 41.97	-76 52.27	49.61	979884.797	-1.51	-3.20
5-A-12	36 44.53	-76 51.55	81.61	979888.851	1.86	-.93
5-A-13SE7	36 44.70	-76 49.73	81.00	979888.462	1.17	-1.59
5-A-14SE8	36 41.52	-76 50.52	66.00	979881.454	-2.66	-4.92
5-A-15SE9	36 41.57	-76 45.08	75.00	979880.956	-2.39	-4.95
5-A-16SE10	36 41.95	-76 48.23	49.00	979882.396	-3.95	-5.62
5-A-17	36 43.22	-76 46.85	80.19	979883.096	-2.14	-4.87
5-A-18SE11	36 44.80	-76 45.73	85.00	979882.418	-4.64	-7.54
5-A-19SE12	36 43.70	-76 48.27	82.00	979885.774	.02	-2.78
5-A-20SE13	36 40.50	-76 50.05	73.00	979876.264	-3.73	-6.22
5-B-1	36 41.63	-76 53.43	33.45	979885.669	-1.68	-2.82
5-B-2	36 41.67	-76 54.03	34.85	979885.450	-1.81	-3.00
5-B-3	36 41.40	-76 54.02	27.68	979885.614	-1.94	-2.89
5-B-4SE1	36 40.25	-76 53.73	28.00	979883.232	-2.64	-3.59
5-B-5	36 40.60	-76 55.32	18.95	979888.522	1.30	.65
5-B-6	36 40.27	-76 56.13	30.00	979887.501	1.80	.77
5-B-7	36 39.02	-76 54.83	11.77	979885.660	.04	-.36
5-B-8	36 37.58	-76 53.70	16.07	979879.443	-3.71	-4.26
5-B-9SE2	36 38.72	-76 56.50	29.00	979879.008	-4.56	-5.55
5-B-10	36 39.48	-76 58.35	28.11	979880.797	-3.96	-4.92
5-B-11SE3	36 41.02	-76 59.98	32.00	979885.831	-.77	-1.86
5-B-12	36 39.18	-76 59.23	26.14	979884.660	.15	-.74
5-B-13SE4	36 38.07	-76 58.97	20.00	979881.969	-1.51	-2.19
5-B-14	36 41.32	-76 57.13	78.92	979881.421	-1.19	-3.89
5-B-15	36 41.75	-76 57.45	86.92	979881.105	-1.38	-4.35
5-B-16SE5	36 42.08	-76 58.92	44.00	979884.731	-2.27	-3.77
5-B-17	36 43.33	-76 57.90	95.33	979884.089	.11	-3.14
5-B-18	36 43.78	-76 59.35	81.29	979887.175	1.23	-1.54
5-B-19	36 43.88	-76 57.28	64.78	979889.394	1.75	-.46
5-B-20SE6	36 42.90	-76 56.45	33.00	979891.582	2.37	1.24
5-B-21SE7	36 44.33	-76 56.55	45.00	979891.797	1.65	.11
5-B-22SE7	36 43.22	-76 53.00	77.00	979885.170	-.36	-2.99
5-B-23SE8	36 43.32	-76 54.55	38.00	979887.786	-1.56	-2.85
5-B-24SE9	36 44.50	-76 52.58	74.00	979887.762	.10	-2.43
5-C-1SE1	36 37.35	-76 53.35	29.00	979877.189	-4.41	-5.40
5-C-2	36 36.53	-76 55.87	19.24	979877.175	-4.17	-4.83
5-C-3	36 35.57	-76 56.13	19.12	979868.858	-11.11	-11.76
5-C-4	36 34.08	-76 56.78	21.09	979866.852	-10.79	-11.51
5-C-5SE2	36 36.60	-76 58.07	23.00	979875.084	-6.00	-6.79
5-C-6SE3	36 32.68	-76 56.40	34.00	979863.071	-11.35	-12.51
5-C-7SE4	36 33.48	-76 59.63	36.00	979872.672	-2.71	-3.94
5-D-1	36 36.73	-76 45.23	58.52	979868.889	-9.05	-11.04
5-D-2	36 36.18	-76 47.12	62.43	979869.139	-7.64	-9.77
5-D-3SE1	36 35.02	-76 47.73	74.00	979867.250	-6.76	-9.29
5-D-4 CONEST	36 33.05	-76 49.00	55.00	979857.083	-15.89	-17.76
5-D-5SE2	36 33.70	-76 47.57	54.00	979865.907	-8.09	-9.93
5-D-6 CONEST	36 33.03	-76 45.35	57.00	979864.895	-7.86	-9.81
5-D-7SE3	36 35.02	-76 45.77	65.00	979866.222	-8.64	-10.85
5-D-8SE4	36 37.47	-76 49.50	79.00	979869.263	-7.80	-10.50
5-D-9	36 36.95	-76 52.22	101.80	979868.503	-5.68	-9.15
5-D-10	36 34.27	-76 51.62	33.68	979860.933	-15.79	-16.94
5-D-11	36 33.08	-76 51.38	23.10	979856.077	-19.94	-20.73
5-D-12	36 35.17	-76 49.50	37.20	979866.789	-10.90	-12.17
33-C-1	36 51.73	-75 58.77	19.79	979875.142	-28.05	-28.72
33-C-2	36 51.13	-75 58.60	11.69	979874.361	-28.72	-29.12
33-C-3SE1	36 50.58	-75 58.38	12.00	979872.704	-29.56	-29.97
33-C-4	36 49.83	-75 58.37	10.42	979869.791	-31.54	-31.89

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
33-C-5	36 49.17	-75 58.92	14.58	979869.912	-30.07	-30.56
33-C-6	36 47.58	-75 59.52	12.85	979866.801	-31.06	-31.50
33-C-7	36 47.15	-76 00.00	12.63	979866.235	-31.02	-31.45
33-C-8	36 47.13	-75 59.30	5.31	979865.132	-32.79	-32.97
33-C-9	36 47.10	-75 58.20	6.44	979862.045	-35.72	-35.94
33-C-10	36 47.07	-75 58.12	8.39	979861.959	-35.57	-35.86
33-C-11	36 47.27	-75 57.67	7.30	979861.815	-36.11	-36.36
33-C-12	36 46.68	-75 57.83	7.67	979860.044	-37.00	-37.27
33-C-13	36 46.23	-75 57.87	5.15	979859.034	-37.60	-37.78
33-C-14	36 50.53	-75 59.40	12.36	979874.289	-27.87	-28.29
34-A-1	36 54.30	-76 7.47	15.23	979878.000	-29.32	-29.84
34-A-2	36 54.35	-76 7.20	15.46	979878.457	-28.91	-29.44
34-A-3	36 54.42	-76 6.60	4.37	979880.103	-28.41	-28.56
34-A-4	36 54.45	-76 5.70	23.86	979879.724	-27.00	-27.82
34-A-5	36 54.65	-76 4.28	5.53	979882.017	-26.72	-26.91
34-A-6	36 54.87	-76 3.62	7.63	979882.104	-26.75	-27.01
34-A-7	36 55.35	-76 2.58	10.58	979882.068	-27.21	-27.57
34-A-8	36 55.58	-76 .45	12.78	979881.373	-28.03	-28.47
34-A-9	36 54.83	-75 59.73	10.24	979880.508	-28.05	-28.40
34-A-10SE1	36 55.18	-76 1.28	12.00	979881.217	-27.68	-28.09
34-A-11	36 55.20	-76 1.83	10.66	979881.605	-27.44	-27.81
34-A-12	36 53.12	-75 59.23	7.11	979878.430	-27.95	-28.19
34-A-13	36 52.58	-75 59.07	13.39	979876.925	-28.10	-28.55
34-A-14SE2	36 52.95	-76 5.95	20.00	979876.954	-27.97	-28.65
34-A-15	36 53.75	-76 3.65	18.01	979879.450	-26.82	-27.43
34-A-16SE3	36 53.17	-76 2.95	17.00	979877.603	-27.92	-28.50
34-B-1 BASE	36 53.72	-76 12.28	26.00	979877.965	-27.51	-28.39
34-B-2	36 56.77	-76 14.37	14.23	979887.373	-23.60	-24.09
34-B-3	36 56.42	-76 13.75	11.56	979886.706	-24.01	-24.41
34-B-4	36 56.07	-76 12.75	6.12	979886.025	-24.70	-24.91
34-B-5	36 55.88	-76 12.02	6.76	979884.862	-25.54	-25.77
34-B-6	36 55.48	-76 11.53	11.75	979882.636	-26.72	-27.12
34-B-7	36 55.02	-76 11.50	6.22	979881.370	-27.83	-28.05
34-B-8	36 54.60	-76 11.20	12.79	979879.723	-28.26	-28.70
34-B-9	36 54.38	-76 10.92	12.25	979878.328	-29.39	-29.81
34-B-10	36 54.43	-76 10.12	12.24	979877.860	-29.94	-30.35
34-B-11	36 54.40	-76 9.30	6.97	979877.651	-30.59	-30.83
34-B-12	36 54.37	-76 8.87	11.84	979877.511	-30.23	-30.63
34-B-13	36 57.00	-76 14.83	13.44	979887.521	-23.87	-24.33
34-B-14	36 53.20	-76 12.65	13.91	979877.945	-27.92	-28.39
34-B-15SE1	36 53.65	-76 12.23	23.00	979877.946	-27.71	-28.49
34-B-16	36 53.93	-76 14.38	17.49	979878.937	-27.65	-28.24
34-B-17	36 53.63	-76 13.42	10.73	979879.197	-27.59	-27.95
34-C-1	36 50.60	-76 7.52	8.05	979869.916	-32.74	-33.02
34-C-2	36 52.40	-76 8.37	24.44	979872.939	-30.77	-31.61
34-C-3	36 50.60	-76 8.57	12.32	979869.382	-32.88	-33.30
34-C-4	36 50.77	-76 9.43	18.57	979869.555	-32.36	-32.99
34-C-5	36 51.17	-76 10.45	20.80	979871.423	-30.85	-31.56
34-C-6	36 51.32	-76 12.20	15.75	979874.409	-28.56	-29.10
34-C-7	36 51.60	-76 12.63	13.59	979875.419	-28.16	-28.62
34-C-8	36 49.15	-76 12.68	12.08	979871.855	-28.34	-28.75
34-C-9	36 46.47	-76 12.02	21.54	979867.243	-28.19	-28.92
34-C-10	36 48.20	-76 13.58	12.55	979870.363	-28.41	-28.84
34-C-11SE1	36 48.25	-76 10.22	25.00	979866.653	-31.02	-31.88
34-C-12	36 46.55	-76 9.40	9.93	979865.318	-31.33	-31.67
34-C-13	36 45.62	-76 8.53	11.00	979864.018	-31.18	-31.56
34-C-14	36 49.73	-76 9.58	11.13	979868.764	-32.36	-32.74
34-C-15	36 50.03	-76 12.63	13.11	979874.629	-26.74	-27.19
34-C-16	36 52.45	-76 12.23	11.11	979875.935	-29.10	-29.48
34-C-17	36 51.20	-76 14.80	38.59	979872.391	-28.26	-29.58
34-C-18	36 51.38	-76 13.73	9.85	979875.559	-28.06	-28.40
34-D-1	36 50.57	-76 .62	12.92	979874.787	-27.37	-27.81
34-D-2	36 48.27	-76 .32	20.17	979869.370	-28.78	-29.47
34-D-3	36 49.08	-76 1.67	21.96	979871.082	-28.08	-28.83
34-D-4SE1	36 47.37	-76 2.22	16.00	979868.047	-29.20	-29.74
34-D-5SE2	36 50.23	-76 .82	26.00	979873.099	-27.34	-28.23
34-D-6	36 50.62	-76 4.42	5.95	979874.447	-28.44	-28.64

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
34-D-7	36 50.37	-76 6.53	14.34	979870.478	-31.25	-31.74
34-D-8	36 50.57	-76 1.48	8.36	979868.588	-33.99	-34.28
34-D-9SE3	36 49.15	-76 3.10	16.00	979871.376	-28.44	-28.99
34-D-10	36 48.33	-76 5.42	11.54	979869.059	-30.01	-30.40
34-D-11	36 46.67	-76 4.28	10.67	979866.701	-30.04	-30.40
34-D-12	36 45.55	-76 3.23	14.00	979864.061	-30.76	-31.24
34-D-13	36 46.53	-76 5.50	13.79	979865.697	-30.56	-31.03
34-D-14	36 45.23	-76 6.52	11.61	979863.456	-31.13	-31.53
34-D-15SE4	36 46.75	-76 7.28	10.00	979865.369	-31.56	-31.90
34-D-16	36 45.58	-76 1.03	14.62	979862.893	-31.92	-32.42
34-D-17	36 46.43	-76 .53	16.44	979864.584	-31.28	-31.84
35-A-1 BASE	36 57.30	-76 15.18	12.87	979887.807	-24.07	-24.51
35-A-2	36 57.28	-76 15.65	14.69	979887.095	-24.58	-25.08
35-A-3	36 56.85	-76 16.20	13.03	979885.848	-25.36	-25.81
35-A-4	36 56.58	-76 17.25	10.62	979884.369	-26.68	-27.04
35-A-5	36 57.00	-76 18.02	10.63	979884.900	-26.75	-27.11
35-A-6	36 56.65	-76 17.77	11.49	979884.420	-26.64	-27.04
35-A-7	36 57.30	-76 18.77	7.26	979885.276	-27.13	-27.37
35-A-8	36 57.27	-76 19.67	9.03	979884.423	-27.76	-28.07
35-A-9	36 56.35	-76 17.58	11.56	979883.837	-26.79	-27.18
35-A-10	36 56.10	-76 17.90	11.05	979883.321	-26.99	-27.37
35-A-11	36 55.85	-76 16.60	10.17	979883.591	-26.44	-26.79
35-A-12	36 56.55	-76 19.13	25.67	979881.968	-27.62	-28.49
35-A-13SE1	36 55.95	-76 19.08	14.00	979881.914	-27.90	-28.38
35-A-14	36 55.15	-76 18.72	12.13	979880.990	-27.85	-28.26
35-A-15	36 54.20	-76 18.27	5.62	979878.684	-29.40	-29.59
35-A-16	36 53.48	-76 18.28	10.65	979877.876	-28.69	-29.06
35-A-17	36 52.95	-76 18.13	11.10	979877.001	-28.76	-29.13
35-A-18	36 54.98	-76 16.35	15.98	979881.529	-26.71	-27.25
35-A-19	36 55.28	-76 16.20	13.08	979882.502	-26.44	-26.89
35-A-20	36 55.88	-76 16.00	6.99	979884.220	-26.16	-26.40
35-A-21	36 57.83	-76 16.12	5.72	979888.002	-25.31	-25.51
35-A-22	36 58.03	-76 17.10	5.07	979886.658	-27.31	-27.18
35-A-23	36 58.03	-76 17.87	18.84	979885.440	-26.94	-27.58
35-A-24	36 56.22	-76 15.77	14.55	979884.834	-25.32	-25.81
35-A-25SE2	36 53.65	-76 21.02	13.00	979876.512	-30.08	-30.52
35-B-1SE1	36 53.37	-76 23.02	17.00	979872.633	-33.17	-33.75
35-B-2	36 52.63	-76 25.53	20.51	979865.399	-39.02	-39.72
35-B-3	36 54.30	-76 26.07	13.41	979868.375	-39.12	-39.57
35-B-4	36 52.85	-76 29.55	8.85	979861.014	-44.82	-45.12
35-B-5	36 53.47	-76 29.62	9.09	979862.343	-44.35	-44.66
35-B-6	36 54.62	-76 29.85	20.73	979864.846	-42.42	-43.12
35-B-7	36 58.62	-76 25.93	27.37	979885.297	-27.11	-28.05
35-B-8	36 59.33	-76 25.62	17.72	979883.217	-26.14	-26.74
35-B-9	36 59.85	-76 24.55	13.19	979889.402	-26.13	-26.57
35-C-1	36 46.67	-76 26.80	21.50	979867.571	-28.15	-28.88
35-C-2	36 46.68	-76 25.68	21.00	979867.853	-27.94	-28.66
35-C-3	36 46.85	-76 24.70	17.75	979868.744	-27.60	-28.20
35-C-4	36 46.93	-76 23.95	17.57	979870.050	-26.43	-27.03
35-C-5	36 47.12	-76 24.83	19.02	979868.149	-28.46	-29.10
35-C-6	36 48.02	-76 23.35	15.42	979871.579	-26.66	-27.19
35-C-7SE1	36 47.78	-76 26.07	10.00	979867.159	-31.26	-31.60
35-C-8	36 46.32	-76 27.57	22.04	979867.572	-27.60	-28.35
35-C-9	36 49.12	-76 26.13	18.49	979864.578	-34.96	-35.59
35-C-10SE2	36 49.42	-76 29.68	20.00	979863.813	-36.02	-36.70
35-C-11	36 51.53	-76 23.37	12.93	979870.009	-33.54	-33.98
35-C-12	36 51.12	-76 22.78	14.11	979871.477	-31.36	-31.84
35-C-13	36 51.87	-76 23.88	16.89	979868.669	-34.98	-35.56
35-C-14	36 51.77	-76 27.03	20.64	979861.141	-42.02	-42.72
35-C-15	36 51.80	-76 28.70	28.65	979858.404	-44.05	-45.02
35-C-16	36 50.57	-76 26.22	20.96	979862.736	-38.66	-39.38
35-D-1 BASE	36 51.18	-76 17.90	5.00	979873.345	-30.44	-30.61
35-D-1A	36 52.40	-76 18.12	3.14	979876.064	-29.65	-29.76
35-D-2 BASE	36 51.17	-76 17.92	5.00	979873.208	-30.56	-30.73
35-D-2A	36 52.07	-76 17.05	12.19	979873.785	-30.60	-31.02
35-D-3	36 51.58	-76 17.07	7.17	979873.491	-30.67	-30.91
35-D-4	36 51.13	-76 15.35	13.93	979873.766	-29.11	-29.58

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
35-D-5	36 50.23	-76 17.17	8.55	979871.378	-30.71	-31.00
35-D-6	36 50.83	-76 17.37	8.01	979872.349	-30.65	-30.92
35-D-7	36 49.48	-76 16.65	13.67	979870.314	-30.21	-30.67
35-D-8	36 48.45	-76 15.85	18.05	979869.977	-28.64	-29.26
35-D-9	36 48.03	-76 16.33	12.30	979869.377	-29.18	-29.60
35-D-10	36 47.12	-76 16.28	17.23	979869.395	-27.38	-27.97
35-D-11	36 47.23	-76 15.10	49.22	979867.022	-26.91	-28.59
35-D-12	36 45.95	-76 15.37	21.03	979868.304	-26.43	-27.15
35-D-13	36 46.05	-76 19.45	9.53	979869.602	-26.36	-26.68
35-D-14	36 46.00	-76 20.68	13.97	979871.601	-23.87	-24.35
35-D-15	36 45.05	-76 20.70	10.90	979873.081	-21.31	-21.68
35-D-16	36 47.60	-76 19.73	14.63	979870.331	-27.38	-27.88
35-D-17	36 48.10	-76 19.43	12.64	979870.237	-28.39	-28.82
35-D-18	36 47.70	-76 18.70	8.87	979869.245	-29.15	-29.46
35-D-19	36 47.45	-76 20.50	9.91	979871.742	-26.20	-26.54
35-D-20	36 49.03	-76 20.33	13.56	979872.374	-27.51	-27.97
35-D-21	36 50.08	-76 19.22	7.82	979872.803	-29.13	-29.40
35-D-22	36 49.85	-76 18.05	7.13	979871.076	-30.59	-30.83
35-D-23	36 49.65	-76 18.87	9.63	979871.468	-29.67	-30.00
35-D-24	36 50.15	-76 20.83	14.17	979873.793	-27.64	-28.12
35-D-25SE1	36 52.43	-76 21.93	13.00	979873.379	-31.46	-31.90
36-A-1	36 53.10	-76 35.03	59.40	979867.952	-33.49	-35.51
36-A-2	36 53.12	-76 35.40	63.69	979868.749	-32.31	-34.48
36-A-3SE1	36 54.03	-76 36.40	63.00	979873.781	-28.66	-30.81
36-A-4SE2	36 55.03	-76 37.25	74.00	979879.109	-23.74	-26.27
36-A-5	36 53.05	-76 31.20	23.41	979861.853	-42.90	-43.69
36-A-6	36 52.87	-76 30.58	21.50	979860.845	-43.82	-44.55
36-A-7	36 53.68	-76 30.73	24.13	979862.566	-43.03	-43.85
36-A-8	36 53.45	-76 30.02	20.66	979861.584	-44.00	-44.71
36-A-9	36 54.68	-76 30.07	13.17	979865.935	-42.42	-42.76
36-A-10	36 54.97	-76 30.42	9.67	979867.323	-41.48	-41.81
36-A-11	36 55.32	-76 30.87	22.36	979868.504	-39.61	-40.38
36-A-12	36 55.78	-76 31.35	23.56	979872.144	-36.54	-37.34
36-A-13	36 54.02	-76 34.77	41.69	979870.605	-33.82	-35.24
36-A-14	36 54.90	-76 34.63	50.36	979872.776	-32.11	-33.82
36-A-15	36 55.15	-76 34.80	64.53	979873.320	-30.59	-32.79
36-A-16	36 55.28	-76 34.85	68.26	979873.921	-29.83	-32.16
36-A-17	36 56.25	-76 35.18	43.01	979881.826	-25.70	-27.16
36-A-18	36 58.18	-76 32.92	24.79	979895.610	-16.42	-17.26
36-A-19	36 59.60	-76 33.15	25.41	979899.811	-14.20	-15.07
36-A-20	36 59.12	-76 34.88	21.33	979898.298	-15.40	-16.13
36-A-21	36 58.37	-76 36.63	45.05	979896.405	-13.98	-15.52
36-A-22	36 58.92	-76 37.25	9.24	979902.389	-12.16	-12.48
36-A-23	36 57.13	-76 35.98	51.42	979888.532	-19.47	-21.23
36-A-24	36 56.47	-76 34.05	25.57	979882.163	-27.31	-28.19
36-A-25	36 56.60	-76 33.12	23.67	979881.712	-28.14	-28.94
36-A-26	36 56.50	-76 32.32	19.55	979879.755	-30.34	-31.00
36-A-27	36 57.23	-76 31.78	21.79	979885.462	-25.48	-26.22
36-A-28	36 56.32	-76 32.05	22.37	979877.574	-31.99	-32.75
36-A-29SE3	36 55.30	-76 32.43	21.00	979872.568	-35.65	-36.37
36-A-30SE4	36 54.05	-76 32.53	25.00	979867.006	-39.04	-39.89
36-B-1SE1	36 54.87	-76 37.65	77.00	979879.413	-22.92	-25.54
36-B-2SE2	36 54.28	-76 38.73	81.00	979880.367	-20.74	-23.51
36-B-3SE3	36 56.03	-76 39.53	61.00	979892.998	-12.52	-14.60
36-B-4	36 53.85	-76 37.87	70.98	979876.950	-24.48	-26.90
36-B-5	36 54.00	-76 40.30	80.67	979885.192	-15.54	-18.29
36-B-6	36 53.58	-76 41.58	73.65	979890.017	-10.77	-13.29
36-B-7SE4	36 53.48	-76 42.37	81.00	979891.451	-8.51	-11.27
36-B-8SE5	36 53.62	-76 43.22	78.00	979893.720	-6.71	-9.37
36-B-9	36 52.97	-76 44.03	81.59	979893.772	-5.38	-8.17
36-B-10	36 54.47	-76 42.50	59.40	979896.211	-7.20	-9.22
36-B-11SE6	36 57.23	-76 42.85	88.00	979903.519	-1.20	-4.20
36-B-12SE7	36 55.77	-76 43.20	81.00	979900.119	-3.13	-5.90
36-B-13SE8	36 56.40	-76 44.23	90.00	979901.534	-1.79	-4.86
36-B-14	36 54.67	-76 44.52	93.04	979897.596	-2.94	-6.11
36-B-15SE9	36 54.42	-76 40.65	76.00	979888.847	-12.93	-15.52
36-B-16SE10	36 55.15	-76 41.70	83.00	979895.275	-6.90	-9.73

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
36-B-17	36 56.68	-76 41.13	51.25	979902.345	-5.03	-6.78
36-B-18	36 57.67	-76 39.92	85.14	979899.771	-5.83	-8.74
36-B-19SE11	36 56.40	-76 38.37	60.00	979890.267	-15.87	-17.92
36-B-20SE12	36 58.28	-76 43.82	84.00	979906.308	-.30	-3.16
36-B-21	36 59.50	-76 44.72	52.76	979910.541	-.76	-2.56
36-B-22	36 58.98	-76 42.18	83.22	979908.487	.80	-2.04
36-B-23SE13	36 58.45	-76 38.97	54.00	979902.289	-7.38	-9.22
36-B-24	36 59.43	-76 37.82	40.49	979904.431	-7.93	-9.31
36-C-1	36 46.82	-76 37.52	76.85	979883.789	-6.94	-9.57
36-C-2SE1	36 45.58	-76 37.68	37.00	979886.295	-6.41	-7.67
36-C-3	36 45.57	-76 40.30	64.00	979884.407	-5.73	-7.92
36-C-4SE2	36 45.05	-76 42.38	63.00	979880.278	-9.21	-11.36
36-C-5SE3	36 45.08	-76 44.85	76.00	979881.794	-6.52	-9.11
36-C-6SE4	36 46.50	-76 44.73	71.00	979885.721	-5.11	-7.53
36-C-7	36 46.38	-76 41.53	74.09	979882.558	-7.81	-10.34
36-C-8SE5	36 47.48	-76 40.17	76.00	979888.302	-3.47	-6.06
36-C-9	36 49.20	-76 41.05	76.28	979888.563	-5.66	-8.26
36-C-10	36 49.82	-76 38.92	81.40	979885.292	-9.34	-12.11
36-C-11	36 48.75	-76 38.73	58.37	979888.816	-6.44	-8.43
36-C-12	36 47.93	-76 42.27	76.00	979887.921	-4.50	-7.09
36-C-13SE6	36 48.33	-76 44.10	81.00	979888.157	-4.37	-7.13
36-C-14SE7	36 49.52	-76 44.70	87.00	979887.806	-5.86	-8.83
36-C-15	36 50.77	-76 40.83	81.12	979887.181	-8.85	-11.61
36-C-16	36 52.27	-76 40.13	41.07	979885.641	-16.32	-17.72
36-C-17SE8	36 51.52	-76 38.57	68.00	979878.119	-20.22	-22.54
36-C-18	36 50.30	-76 37.68	47.37	979880.677	-17.85	-19.47
36-C-19SE9	36 50.52	-76 43.28	82.00	979889.030	-6.55	-9.35
36-C-20	36 52.07	-76 44.30	79.74	979893.051	-4.97	-7.69
36-C-21SE10	36 52.33	-76 42.20	76.00	979889.356	-9.41	-12.00
36-D-1	36 45.05	-76 35.07	34.43	979879.468	-12.71	-13.88
36-D-2SE1	36 45.80	-76 36.80	53.00	979882.910	-8.60	-10.41
36-D-3SE2	36 46.98	-76 36.57	73.00	979881.257	-10.08	-12.57
36-D-4SE3	36 48.87	-76 37.27	58.00	979882.276	-13.18	-15.16
36-D-5SE4	36 45.80	-76 35.20	46.00	979880.207	-11.96	-13.53
36-D-6	36 46.65	-76 34.98	57.10	979878.976	-13.37	-15.32
36-D-7SE5	36 47.47	-76 35.12	58.00	979877.919	-15.52	-17.50
36-D-8	36 49.07	-76 34.72	34.16	979875.367	-22.53	-23.79
36-D-9	36 50.90	-76 35.43	70.71	979867.986	-29.21	-31.63
36-D-10	36 50.03	-76 35.10	66.48	979870.059	-26.29	-28.55
36-D-11	36 51.52	-76 34.97	46.58	979867.320	-33.04	-34.63
36-D-12	36 45.20	-76 30.92	20.35	979872.295	-21.42	-22.12
36-D-13SE6	36 46.00	-76 33.08	22.00	979875.918	-18.80	-19.55
36-D-14SE7	36 47.18	-76 32.02	26.00	979872.204	-23.84	-24.73
36-D-15	36 48.27	-76 30.72	24.63	979868.752	-28.98	-29.82
36-D-16	36 49.40	-76 30.08	19.96	979863.082	-36.73	-37.41
36-D-17SE8	36 50.98	-76 30.07	20.00	979859.277	-42.81	-43.49
36-D-18SE9	36 49.60	-76 31.83	20.00	979864.775	-35.32	-36.00
36-D-19SE12	36 51.27	-76 33.08	21.00	979864.163	-38.24	-38.96
36-D-20SE10	36 51.58	-76 31.88	20.00	979861.321	-41.63	-42.31
36-D-21	36 52.07	-76 35.00	29.65	979868.682	-34.06	-35.07
36-D-22	36 52.42	-76 34.98	31.44	979868.737	-34.34	-35.41
36-D-23SE11	36 52.10	-76 37.02	87.00	979870.734	-26.66	-29.63
36-D-24	36 48.33	-76 34.60	10.77	979877.678	-21.46	-21.82
37-A-1	36 58.52	-76 51.60	40.48	979906.424	-4.61	-5.99
37-A-2	36 57.75	-76 52.20	86.54	979902.515	-3.08	-6.03
37-A-3	36 58.30	-76 50.47	74.38	979904.781	-2.75	-5.29
37-A-4SE1	36 57.25	-76 49.75	91.00	979903.881	-.57	-3.68
37-A-5	36 57.67	-76 47.95	76.49	979904.860	-1.56	-4.17
37-A-6	36 54.42	-76 51.77	83.84	979897.829	-3.21	-6.07
37-A-7	36 54.62	-76 50.03	40.51	979902.055	-3.35	-4.73
37-A-8	36 54.57	-76 50.77	76.74	979898.466	-3.46	-6.07
37-A-9SE2	36 55.97	-76 52.32	86.00	979898.607	-4.46	-7.40
37-A-10	36 54.37	-76 49.02	34.27	979903.895	-1.73	-2.90
37-A-11	36 54.88	-76 48.35	39.60	979904.026	-1.84	-3.20
37-A-12	36 55.27	-76 47.28	84.93	979899.928	-2.33	-5.23
37-A-13	36 55.57	-76 46.22	82.87	979900.186	-2.60	-5.43
37-A-14	36 56.07	-76 46.22	84.24	979900.949	-2.43	-5.30

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
37-A-15	36 56.87	-76 46.97	62.35	979904.089	-2.51	-4.63
37-A-16BR1	36 59.08	-76 45.78	47.00	979909.151	-2.09	-3.69
37-A-17BR2	36 59.20	-76 46.90	46.00	979907.984	-3.52	-5.09
37-A-18SE3	36 59.58	-76 48.40	46.00	979907.722	-4.33	-5.90
37-A-19SE4	36 53.12	-76 45.57	86.00	979896.072	-2.88	-5.82
37-A-20BR3	36 52.98	-76 47.67	35.00	979900.165	-3.40	-4.59
37-A-21	36 54.92	-76 45.35	83.55	979898.818	-2.97	-5.82
37-A-22	36 52.72	-76 51.18	41.00	979900.451	-2.16	-3.56
37-A-23	36 53.37	-76 52.20	82.30	979897.363	-2.30	-5.11
37-B-1SE1	36 54.13	-76 54.15	88.00	979893.728	-6.51	-9.51
37-B-2	36 53.92	-76 56.17	88.62	979896.198	-3.67	-6.69
37-B-3	36 53.02	-76 57.03	70.30	979900.114	-.18	-2.57
37-B-4SE2	36 52.97	-76 58.37	62.00	979901.378	.38	-1.74
37-B-5	36 53.13	-76 59.55	85.50	979898.187	-.84	-3.76
37-B-6SE3	36 54.33	-76 57.32	84.00	979898.900	-2.00	-4.87
37-B-7SE4	36 55.37	-76 58.55	101.00	979898.042	-2.75	-6.20
37-B-8	36 54.72	-76 53.60	87.30	979894.676	-6.47	-9.45
37-B-9	36 55.92	-76 53.13	84.18	979897.352	-5.82	-8.69
37-B-10SE5	36 56.23	-76 53.07	86.00	979897.922	-5.53	-8.47
37-B-11SE6	36 56.87	-76 52.72	78.00	979900.925	-4.20	-6.86
37-B-12SE7	36 57.98	-76 54.33	91.00	979900.697	-4.81	-7.92
37-B-13SE8	36 55.60	-76 55.60	82.00	979894.618	-8.30	-11.10
37-B-14SE9	36 55.12	-76 54.87	81.00	979894.389	-7.92	-10.69
37-B-15SE10	36 56.82	-76 57.33	64.00	979900.927	-5.44	-7.62
37-B-16SE11	36 58.30	-76 58.50	108.00	979902.156	-2.21	-5.90
37-B-17	36 58.13	-76 59.48	98.61	979903.162	-1.85	-5.21
37-B-18SE12	36 59.30	-76 59.38	112.00	979903.612	-1.83	-5.65
37-B-19SE13	36 58.77	-76 56.85	114.00	979902.583	-1.90	-5.78
37-B-20	36 59.90	-76 55.50	102.71	979903.445	-3.73	-7.24
37-C-1	36 51.53	-76 53.02	82.08	979897.106	.06	-2.74
37-C-2	36 51.58	-76 54.22	83.09	979896.101	-.92	-3.75
37-C-3	36 51.55	-76 55.32	40.35	979900.032	-.96	-2.34
37-C-4	36 52.25	-76 57.85	93.71	979899.487	2.50	-.69
37-C-5	36 51.47	-76 58.63	88.02	979899.143	2.76	-.25
37-C-6	36 50.88	-76 58.97	66.97	979899.901	2.38	.09
37-C-7	36 50.13	-76 59.53	85.83	979898.534	3.86	.94
37-C-8	36 50.82	-76 57.63	52.55	979902.005	3.22	1.43
37-C-9	36 51.05	-76 56.35	42.97	979900.485	.46	-1.00
37-C-10	36 47.57	-76 53.43	32.59	979894.776	-1.20	-2.31
37-C-11	36 46.88	-76 53.45	34.65	979893.875	-.92	-2.11
37-C-12	36 46.05	-76 54.43	32.87	979893.115	-.65	-1.77
37-C-13	36 45.37	-76 55.87	54.43	979891.393	.64	-1.22
37-C-14	36 46.28	-76 55.52	58.73	979892.488	.82	-1.18
37-C-15SE1	36 46.45	-76 57.15	82.00	979892.868	3.15	.35
37-C-16	36 46.50	-76 58.05	78.73	979894.349	4.25	1.56
37-C-17SE2	36 48.23	-76 57.15	67.00	979897.496	3.79	1.51
37-C-18SE3	36 48.47	-76 59.55	89.00	979899.238	7.27	4.23
37-C-19	36 46.48	-76 59.13	90.56	979895.500	6.54	3.45
37-C-20SE4	36 45.37	-76 59.40	88.00	979890.013	2.42	-.58
37-C-21SE5	36 49.87	-76 56.75	87.00	979897.993	3.82	.85
37-C-22SE6	36 48.85	-76 55.47	74.00	979896.355	2.42	-.10
37-C-23SE7	36 48.75	-76 53.35	50.00	979895.554	-.49	-2.20
37-C-24BR1	36 50.07	-76 52.73	31.00	979899.101	-.63	-1.69
37-D-1SE1	36 48.73	-76 45.12	87.00	979887.553	-4.99	-7.96
37-D-2	36 47.88	-76 45.95	88.86	979887.031	-4.11	-7.14
37-D-3SE2	36 46.10	-76 45.05	76.00	979884.847	-4.93	-7.52
37-D-4	36 47.18	-76 47.57	51.64	979889.989	-3.64	-5.41
37-D-5	36 46.92	-76 49.43	59.87	979891.336	-1.14	-3.18
37-D-6	36 45.67	-76 49.32	63.98	979889.496	-.79	-2.97
37-D-7	36 45.80	-76 51.43	74.65	979890.810	1.33	-1.21
37-D-8BR1	36 49.60	-76 48.33	41.00	979895.464	-2.65	-4.05
37-D-9SE3	36 48.50	-76 49.15	82.00	979891.591	-1.08	-3.88
37-D-10	36 48.23	-76 51.75	25.84	979896.960	-.62	-1.50
37-D-11	36 48.22	-76 52.50	35.32	979896.646	-.01	-1.22
37-D-12	36 48.78	-76 50.97	29.92	979896.523	-1.46	-2.48
37-D-13	36 49.38	-76 50.28	46.30	979895.517	-1.79	-3.37
37-D-14	36 50.08	-76 49.90	75.28	979894.356	-1.23	-3.80

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
37-D-15SE4	36 50.17	-76 47.28	66.00	979894.029	-2.55	-4.81
37-D-16	36 51.97	-76 50.07	38.86	979900.557	-1.17	-2.50
37-D-17	36 51.88	-76 51.52	79.08	979897.462	-.37	-3.06
37-D-18	36 51.18	-76 49.80	83.95	979895.552	-.81	-3.67
37-D-19SE5	36 51.98	-76 46.77	84.00	979894.904	-2.61	-5.47
37-D-20SE6	36 51.23	-76 45.23	85.00	979892.158	-4.18	-7.07
65-A-1	37 7.72	-76 21.93	6.17	979905.869	-21.69	-21.90
65-B-1	37 7.82	-76 29.77	37.07	979911.698	-13.10	-14.36
65-B-2	37 8.28	-76 27.45	12.63	979909.881	-17.89	-18.32
65-B-3	37 8.70	-76 29.47	48.66	979912.155	-12.83	-14.49
65-B-4SE7	37 9.90	-76 28.12	57.00	979911.432	-14.50	-16.45
65-B-5SE1	37 12.03	-76 27.17	10.00	979921.040	-12.40	-12.74
65-B-6	37 12.15	-76 25.58	3.00	979922.328	-11.94	-12.04
65-B-7SE2	37 10.25	-76 25.42	10.00	979914.173	-16.69	-17.03
65-B-9SE4	37 7.68	-76 26.32	39.00	979905.383	-19.04	-20.37
65-B-10SE5	37 11.05	-76 29.08	54.00	979915.607	-12.27	-14.12
65-B-11SE6	37 12.45	-76 29.92	55.00	979919.195	-10.62	-12.49
65-C-1	37 6.30	-76 29.67	33.34	979907.527	-15.43	-16.56
65-C-2	37 6.32	-76 28.35	30.89	979904.059	-19.15	-20.20
65-C-3	37 4.67	-76 27.92	30.56	979900.246	-20.61	-21.65
65-C-4	37 4.38	-76 28.65	22.41	979900.891	-20.32	-21.08
65-C-5	37 3.30	-76 28.33	29.03	979898.993	-20.03	-21.01
65-C-6	37 1.02	-76 27.05	52.70	979890.496	-23.00	-24.80
65-C-7	37 .13	-76 26.43	28.97	979889.256	-25.19	-26.18
65-C-8	37 2.40	-76 23.68	34.00	979892.794	-24.46	-25.62
65-C-9	37 5.33	-76 22.98	11.20	979899.011	-24.63	-25.01
65-C-10	37 7.13	-76 23.57	8.26	979904.763	-21.75	-22.04
65-C-11	37 4.98	-76 27.23	28.22	979900.561	-20.97	-21.93
65-C-12	37 3.92	-76 25.68	23.42	979896.781	-23.66	-24.46
65-C-13	37 3.08	-76 24.45	15.51	979895.601	-24.38	-24.91
65-D-1	37 7.35	-76 20.80	4.45	979903.906	-23.28	-23.43
65-D-2	37 1.98	-76 21.82	26.18	979891.080	-26.31	-27.20
65-D-3	37 1.80	-76 20.17	20.00	979890.267	-27.44	-28.12
65-D-4	37 .83	-76 19.50	9.30	979889.222	-28.09	-28.41
65-D-5SE1	37 2.40	-76 18.30	10.00	979893.111	-26.40	-26.74
65-D-6SE2	37 3.57	-76 18.05	6.00	979895.537	-26.04	-26.24
65-D-7SE3	37 3.53	-76 19.08	10.00	979894.575	-26.57	-26.91
65-D-8SE4	37 5.30	-76 18.70	5.00	979898.729	-25.44	-25.61
65-D-9SE5	37 3.17	-76 20.85	13.00	979893.048	-27.29	-27.73
65-D-10SE6	37 4.97	-76 17.37	4.00	979898.746	-25.04	-25.17
65-D-11	37 .40	-76 18.30	4.93	979889.426	-27.67	-27.84
65-D-12SE7	37 1.25	-76 17.82	12.00	979890.634	-27.03	-27.44
66-A-1	37 14.33	-76 30.72	4.68	979928.518	-8.75	-8.91
66-A-2	37 13.95	-76 31.95	69.36	979923.184	-7.45	-9.82
66-A-3	37 12.75	-76 35.02	67.34	979916.730	-12.36	-14.65
66-A-4SE1	37 14.98	-76 37.18	90.00	979923.196	-6.99	-10.06
66-A-5	37 13.68	-76 33.55	82.47	979920.533	-8.48	-11.29
66-A-6	37 12.78	-76 34.33	80.66	979916.605	-11.28	-14.03
66-A-7	37 13.18	-76 33.95	85.01	979918.119	-9.93	-12.83
66-A-8SE2	37 14.85	-76 35.37	70.00	979925.258	-6.62	-9.01
66-A-9	37 13.92	-76 32.90	76.95	979922.150	-7.72	-10.35
66-A-10	37 10.52	-76 32.95	43.78	979918.495	-9.58	-11.07
66-A-11	37 10.13	-76 32.65	24.20	979919.456	-9.90	-10.73
66-A-12	37 9.50	-76 32.33	40.28	979917.766	-9.16	-10.54
66-A-13	37 9.17	-76 31.90	26.37	979917.829	-9.93	-10.82
66-A-14	37 8.88	-76 31.67	33.26	979916.699	-10.00	-11.13
66-A-15	37 8.45	-76 31.10	34.60	979914.901	-11.04	-12.22
66-A-16	37 13.25	-76 36.68	84.18	979915.654	-12.57	-15.44
66-A-17	37 13.52	-76 37.05	71.13	979916.992	-12.85	-15.27
66-A-18	37 13.72	-76 37.28	72.00	979917.504	-12.54	-15.00
66-A-19	37 12.85	-76 36.07	61.81	979916.762	-12.99	-15.10
66-A-20	37 11.88	-76 34.02	29.84	979918.468	-12.89	-13.91
66-A-21	37 11.13	-76 33.45	23.14	979919.749	-11.15	-11.94
66-A-22	37 10.48	-76 34.17	41.12	979918.157	-10.11	-11.52
66-A-23	37 11.53	-76 34.33	41.51	979917.460	-12.30	-13.71
66-A-24	37 12.28	-76 34.93	51.94	979916.957	-12.90	-14.67
66-A-25	37 11.95	-76 34.65	46.51	979917.022	-12.87	-14.45

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
66-A-26	37 9.90	-76 33.38	40.09	979918.330	-9.19	-10.56
66-A-27	37 9.90	-76 36.38	20.60	979922.381	-6.98	-7.68
66-A-28	37 8.78	-76 36.30	10.62	979921.569	-7.11	-7.47
66-A-29	37 8.52	-76 37.15	8.10	979920.136	-8.40	-8.67
66-A-30	37 8.27	-76 37.35	5.40	979919.684	-8.74	-8.92
66-A-31	37 14.43	-76 31.37	47.93	979925.736	-7.61	-9.25
66-A-32	37 14.88	-76 30.05	9.33	979930.445	-7.19	-7.51
66-B-1SE1	37 13.98	-76 43.78	44.00	979922.306	-10.76	-12.26
66-B-2SE2	37 12.80	-76 43.80	15.00	979922.137	-11.95	-12.46
66-B-3SE3	37 12.92	-76 43.03	14.00	979922.945	-11.40	-11.88
66-B-4SE4	37 13.18	-76 41.97	15.00	979924.518	-10.12	-10.63
66-B-5SE5	37 13.92	-76 41.80	42.00	979923.689	-9.47	-10.90
66-B-6	37 14.47	-76 38.97	92.39	979919.629	-9.59	-12.74
66-B-7	37 14.28	-76 38.42	86.44	979918.912	-10.60	-13.55
66-B-8SE6	37 8.37	-76 43.27	43.00	979914.317	-10.72	-12.18
66-B-9SE7	37 7.90	-76 41.92	46.00	979914.219	-9.86	-11.43
66-B-10SE8	37 9.10	-76 42.05	37.00	979915.497	-11.16	-12.42
66-C-1	37 6.37	-76 43.72	81.09	979910.459	-8.10	-10.86
66-C-2	37 6.53	-76 44.18	64.36	979911.046	-9.33	-11.52
66-C-3	37 6.65	-76 44.90	39.52	979911.138	-11.74	-13.09
66-C-4	37 5.93	-76 44.60	89.80	979908.141	-8.97	-12.03
66-C-5	37 5.57	-76 43.48	89.04	979909.723	-6.93	-9.97
66-C-6	37 4.95	-76 42.60	47.61	979913.748	-5.91	-7.53
66-C-7SE1	37 3.75	-76 44.00	91.00	979909.872	-3.97	-7.07
66-C-8	37 4.48	-76 41.60	24.25	979915.990	-5.19	-6.02
66-C-9SE2	37 5.30	-76 40.10	28.00	979916.074	-5.94	-6.89
66-C-10	37 4.17	-76 40.68	64.72	979914.176	-2.74	-4.95
66-C-11	37 3.40	-76 40.53	70.97	979914.621	-.60	-3.02
66-C-12	37 2.32	-76 39.95	70.46	979913.592	-.11	-2.51
66-C-13	37 .35	-76 37.73	67.34	979906.147	-5.01	-7.30
66-C-14	37 .80	-76 38.00	69.26	979907.117	-4.51	-6.87
66-C-15	37 3.28	-76 41.08	71.83	979914.170	-.80	-3.25
66-C-16	37 2.62	-76 42.15	77.42	979913.938	.46	-2.18
66-C-17	37 2.02	-76 43.37	82.42	979912.037	-.11	-2.92
66-C-18	37 1.97	-76 44.65	82.86	979909.142	-2.89	-5.72
66-C-19SE3	37 .35	-76 42.27	86.00	979911.315	1.92	-1.02
66-D-1	37 6.43	-76 31.60	32.41	979912.251	-10.98	-12.09
66-D-2	37 5.68	-76 31.68	31.98	979910.529	-11.66	-12.75
66-D-3SE1	37 .57	-76 36.22	32.00	979906.364	-8.43	-9.52
66-D-4SE2	37 1.92	-76 36.08	32.00	979910.573	-6.17	-7.26
67-A-1	37 14.95	-76 46.37	15.92	979921.725	-15.38	-15.93
67-A-2SE1	37 14.08	-76 47.13	29.00	979919.536	-15.09	-16.08
67-A-3	37 11.03	-76 47.17	5.86	979921.197	-11.19	-11.39
67-A-4	37 10.48	-76 47.77	83.66	979915.739	-8.53	-11.39
67-A-5	37 10.08	-76 48.23	104.96	979913.872	-7.82	-11.40
67-A-6SE2	37 9.08	-76 49.55	88.00	979914.375	-7.46	-10.46
67-A-7	37 9.53	-76 50.63	74.82	979918.604	-5.12	-7.68
67-A-8	37 9.78	-76 51.55	72.61	979920.909	-3.39	-5.86
67-A-9	37 11.43	-76 51.38	99.99	979919.695	-4.42	-7.83
67-A-10SE3	37 11.90	-76 50.17	97.00	979916.959	-8.11	-11.42
67-A-11	37 11.12	-76 52.38	103.27	979920.698	-2.64	-6.17
67-A-12	37 8.17	-76 50.12	121.68	979910.186	-7.16	-11.31
67-A-13	37 7.58	-76 51.88	109.21	979913.746	-3.93	-7.65
67-A-14	37 7.95	-76 48.70	118.57	979907.657	-9.66	-13.71
67-A-15SE4	37 8.28	-76 47.03	80.00	979911.033	-10.40	-13.13
67-A-16SE5	37 8.70	-76 45.07	72.00	979911.410	-11.38	-13.83
67-B-1	37 14.98	-76 57.08	19.68	979929.909	-6.89	-7.57
67-B-2	37 14.48	-76 56.87	4.25	979930.103	-7.43	-7.57
67-B-3SE1	37 14.70	-76 55.10	16.00	979926.927	-9.81	-10.36
67-B-4	37 7.85	-76 52.72	105.16	979916.980	-1.46	-5.05
67-B-5	37 7.98	-76 53.18	105.47	979918.444	-.16	-3.76
67-B-6	37 8.35	-76 54.17	80.83	979924.230	2.78	.02
67-B-7	37 8.58	-76 54.97	83.62	979925.524	4.00	1.15
67-B-8	37 9.00	-76 55.88	89.49	979925.260	3.68	.63
67-B-9	37 9.50	-76 57.10	89.47	979925.513	3.21	.16
67-B-10	37 9.95	-76 58.42	107.25	979923.708	2.43	-1.23
67-B-11	37 10.48	-76 59.25	70.79	979926.008	.53	-1.89

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
67-B-12	37 9.33	-76 59.42	118.63	979923.447	4.13	.08
67-B-13	37 8.20	-76 57.58	113.88	979921.622	3.50	-.39
67-B-14	37 10.43	-76 58.13	100.88	979923.233	.65	-2.79
67-B-15	37 11.52	-76 58.17	107.14	979920.703	-2.85	-6.51
67-B-16	37 12.60	-76 58.17	98.01	979921.179	-4.81	-8.15
67-B-17	37 13.65	-76 57.92	109.47	979921.203	-5.22	-8.96
67-B-18	37 13.83	-76 57.05	4.16	979929.855	-6.74	-6.88
67-B-19	37 12.67	-76 57.13	87.71	979922.708	-4.34	-7.33
67-B-20	37 12.00	-76 56.27	82.52	979925.767	-.81	-3.62
67-B-21	37 11.53	-76 54.23	107.53	979924.109	.56	-3.10
67-B-22	37 11.03	-76 53.33	104.57	979922.038	-1.06	-4.63
67-C-1SE1	37 7.08	-76 53.78	102.00	979919.885	2.26	-1.22
67-C-2	37 5.47	-76 55.60	68.53	979918.844	.41	-1.93
67-C-3	37 5.20	-76 56.83	62.88	979919.284	.70	-1.44
67-C-4	37 4.80	-76 58.88	115.90	979917.435	4.42	.46
67-C-5	37 5.43	-76 59.95	120.31	979916.213	2.69	-1.41
67-C-6SE2	37 6.95	-76 58.87	111.00	979921.595	5.01	1.22
67-C-7	37 6.70	-76 57.12	109.36	979918.662	2.28	-1.45
67-C-8	37 4.35	-76 58.00	111.02	979915.106	2.28	-1.51
67-C-9	37 3.53	-76 57.35	104.39	979911.756	-.51	-4.07
67-C-10	37 2.52	-76 57.17	78.86	979910.027	-3.18	-5.86
67-C-11SE3	37 .65	-76 56.15	86.00	979905.531	-4.30	-7.24
67-C-12SE4	37 .20	-76 54.08	90.00	979907.268	-1.54	-4.61
67-C-13	37 2.73	-76 56.08	107.84	979907.698	-3.09	-6.77
67-C-14SE5	37 3.48	-76 54.33	89.00	979913.789	.14	-2.89
67-C-15	37 4.80	-76 52.88	115.30	979911.876	-1.20	-5.13
67-D-1	37 6.47	-76 46.00	93.99	979905.481	-12.01	-15.21
67-D-2	37 6.82	-76 47.00	95.87	979905.781	-12.04	-15.31
67-D-3	37 7.32	-76 48.07	69.09	979909.029	-12.03	-14.39
67-D-4	37 7.48	-76 50.55	122.50	979909.229	-7.05	-11.23
67-D-5	37 6.42	-76 51.07	124.59	979908.602	-5.94	-10.19
67-D-6	37 5.65	-76 51.87	119.82	979910.324	-3.56	-7.64
67-D-7SE1	37 4.67	-76 50.98	91.00	979908.664	-6.50	-9.61
67-D-8SE2	37 3.38	-76 51.20	92.00	979907.898	-5.32	-8.46
67-D-9	37 1.53	-76 52.47	49.03	979910.202	-4.38	-6.06
67-D-10SE3	37 .88	-76 49.82	86.00	979904.590	-5.58	-8.51
67-D-11SE4	37 2.03	-76 49.00	82.00	979906.762	-5.45	-8.24
67-D-12	37 .13	-76 46.35	62.88	979908.842	-2.42	-4.56
67-D-13SE5	37 1.85	-76 46.32	89.00	979906.149	-5.14	-8.17
67-D-14SE6	37 5.02	-76 45.52	94.00	979906.017	-9.37	-12.58
67-D-15SE7	37 3.53	-76 46.43	86.00	979906.478	-7.52	-10.46
67-D-16SE8	37 3.98	-76 48.23	93.00	979905.560	-8.43	-11.60
67-D-17SE9	37 5.22	-76 48.98	74.00	979907.411	-10.15	-12.67
95-A-1SE1	37 23.95	-76 21.70	11.00	979942.368	-8.25	-8.62
95-A-2	37 29.08	-76 21.45	14.67	979945.852	-11.86	-12.36
95-A-3	37 28.70	-76 19.92	12.38	979942.631	-14.70	-15.14
95-A-4SE2	37 25.98	-76 19.27	8.00	979940.231	-13.61	-13.89
95-A-5SE3	37 25.77	-76 21.22	11.00	979941.539	-11.71	-12.09
95-A-6SE4	37 24.08	-76 19.72	9.00	979940.155	-10.84	-11.15
95-A-7	37 23.15	-76 19.05	9.62	979939.878	-9.71	-10.03
95-A-8SE5	37 22.52	-76 17.42	6.50	979938.478	-10.48	-10.70
95-A-9SE6	37 24.60	-76 15.22	2.00	979937.647	-14.76	-14.82
95-A-10SE7	37 24.60	-76 17.23	3.00	979939.311	-13.00	-13.10
95-A-11SE8	37 26.22	-76 16.13	5.00	979939.709	-14.76	-14.93
95-A-12SE9	37 26.33	-76 18.28	11.00	979940.234	-13.84	-14.21
95-A-13	37 27.45	-76 20.53	14.92	979942.450	-12.87	-13.38
95-B-1	37 25.47	-76 29.25	38.20	979955.538	5.28	3.98
95-B-2SE1	37 23.97	-76 27.17	11.00	979949.994	-.64	-1.02
95-B-3SE2	37 22.83	-76 25.20	6.00	979946.848	-2.62	-2.82
95-B-4	37 26.25	-76 28.65	37.35	979956.040	4.57	3.29
95-B-5	37 27.05	-76 23.35	40.76	979956.661	4.35	2.96
95-B-6	37 27.78	-76 27.87	77.21	979953.633	3.69	1.05
95-B-7	37 27.97	-76 27.53	77.65	979952.857	2.69	.04
95-B-8	37 27.90	-76 26.82	13.19	979955.081	-1.06	-1.52
95-B-9	37 28.87	-76 26.68	36.38	979954.778	-.58	-1.82
95-B-10	37 29.52	-76 26.15	43.80	979953.542	-2.06	-3.56
95-B-11	37 29.58	-76 25.03	32.08	979951.429	-5.38	-6.47

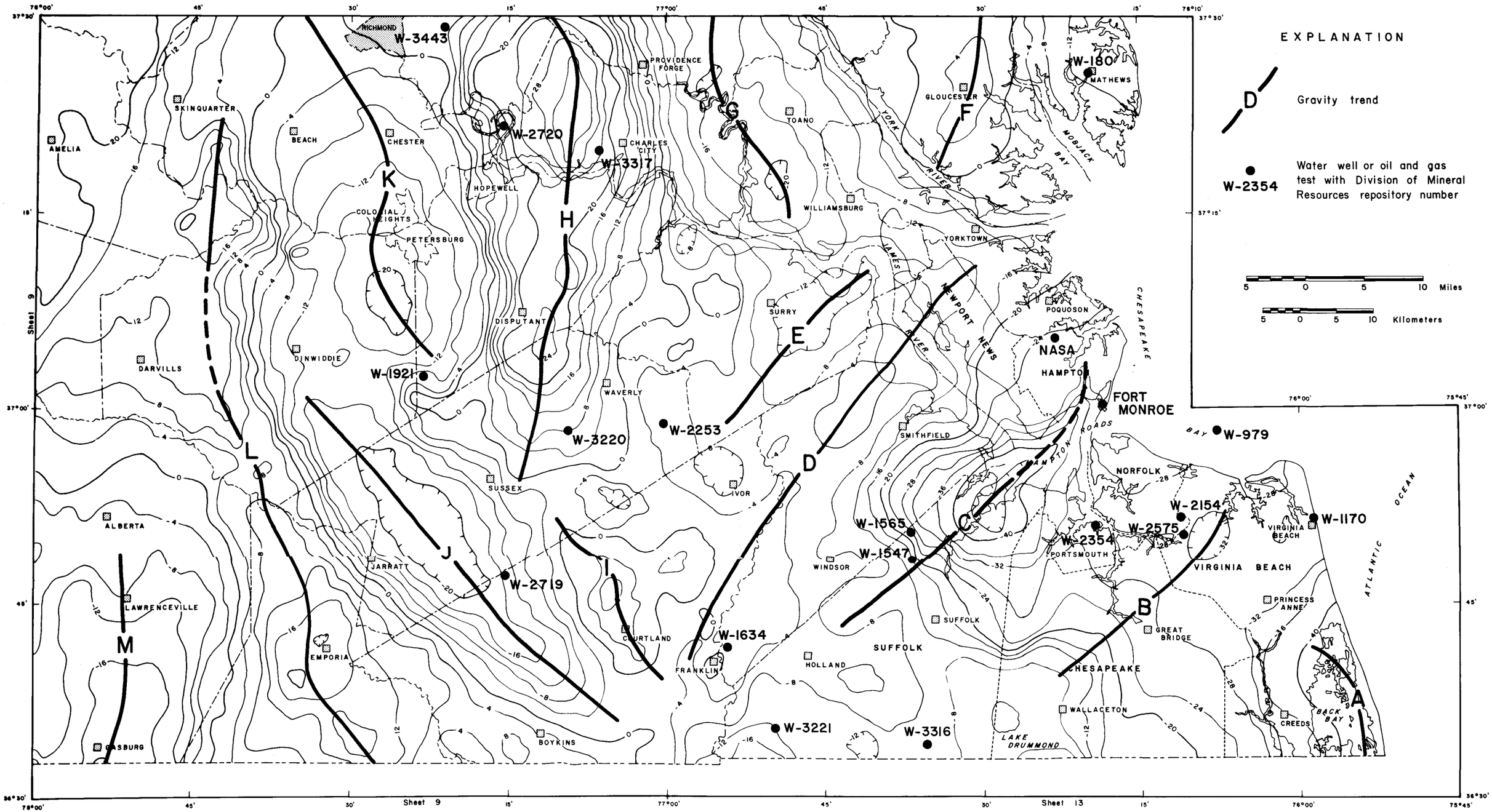
Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
95-B-12	37 29.78	-76 24.67	36.25	979950.658	-6.04	-7.28
95-B-13	37 29.87	-76 27.43	66.27	979957.114	3.11	.85
95-B-14	37 29.67	-76 28.17	73.40	979957.785	4.75	2.24
95-B-15SE3	37 27.30	-76 25.27	17.00	979949.999	-4.91	-5.49
95-B-16SE4	37 25.85	-76 25.67	10.00	979949.816	-3.65	-3.99
95-B-17SE5	37 25.25	-76 23.25	15.00	979944.587	-7.54	-8.05
95-B-18	37 27.40	-76 22.92	8.06	979945.500	-10.39	-10.67
95-B-19SE6	37 28.48	-76 23.18	24.00	979946.729	-9.24	-10.06
95-C-1	37 15.78	-76 29.73	21.49	979933.399	-4.39	-5.13
95-C-2	37 16.20	-76 27.85	9.89	979935.803	-3.68	-4.02
95-C-3SE1	37 16.72	-76 26.57	6.00	979936.952	-3.65	-3.85
95-C-4	37 17.48	-76 25.92	6.43	979938.193	-3.48	-3.70
95-C-5	37 17.88	-76 25.50	4.41	979938.952	-3.49	-3.64
95-C-6SE2	37 18.42	-76 24.78	4.00	979939.692	-3.56	-3.70
95-C-7	37 17.65	-76 24.98	8.00	979938.719	-3.05	-3.32
95-C-8SE3	37 16.78	-76 24.13	4.00	979939.101	-1.78	-1.92
95-C-9SE4	37 16.42	-76 29.08	9.00	979936.931	-2.95	-3.26
95-C-10SE5	37 18.35	-76 29.15	9.00	979943.049	.36	.06
95-C-11SE6	37 21.23	-76 29.23	12.00	979949.988	3.41	3.00
95-C-12	37 20.50	-76 26.93	10.00	979945.341	-.37	-.71
95-C-13SE7	37 18.48	-76 27.42	3.00	979941.738	-1.70	-1.81
95-D-1SE1	37 21.92	-76 18.88	10.00	979938.922	-8.84	-9.18
95-D-2SE2	37 20.93	-76 17.87	10.00	979936.740	-9.59	-9.94
95-D-3SE3	37 19.98	-76 17.37	5.00	979935.413	-10.01	-10.19
96-A-1 BASE	37 23.93	-76 31.32	78.39	979952.340	8.09	5.42
96-A-2	37 23.08	-76 32.05	79.39	979951.066	8.14	5.43
96-A-3	37 24.48	-76 31.13	12.34	979957.902	6.64	6.22
96-A-4	37 24.90	-76 31.13	10.56	979958.660	6.63	6.27
96-A-5	37 25.48	-76 30.35	85.50	979954.772	8.94	6.03
96-A-6SE1	37 27.55	-76 30.50	84.00	979957.575	8.61	5.74
96-A-7SE2	37 29.53	-76 32.48	109.00	979953.694	4.20	.48
96-A-8SE3	37 27.45	-76 34.07	91.00	979952.944	4.78	1.67
96-A-9	37 25.83	-76 33.53	85.66	979953.218	6.90	3.97
96-A-10SE4	37 23.83	-76 33.43	80.00	979949.836	5.88	3.15
96-A-11SE5	37 23.27	-76 35.30	92.00	979945.935	3.93	.79
96-A-12SE6	37 24.40	-76 36.45	96.00	979946.507	3.24	-.04
96-A-13SE7	37 27.15	-76 36.00	89.00	979951.513	3.59	.56
96-A-14	37 28.68	-76 37.00	107.93	979951.429	3.07	-.62
96-B-1	37 30.00	-76 39.15	7.72	979960.034	.33	.07
96-B-2	37 29.77	-76 40.17	99.60	979952.326	1.61	-1.79
96-B-3	37 29.15	-76 40.98	71.10	979952.954	.45	-1.98
96-B-4	37 28.83	-76 41.68	55.60	979953.343	-.16	-2.06
96-B-5SE1	37 29.32	-76 42.38	62.00	979953.943	.34	-1.77
96-B-6	37 26.93	-76 39.82	7.44	979954.849	-.43	-.68
96-B-7SE2	37 26.17	-76 38.37	88.00	979948.864	2.28	-.72
96-B-8	37 25.33	-76 37.95	95.29	979947.332	2.64	-.61
96-B-9	37 24.25	-76 37.92	48.75	979948.197	.70	-.96
96-B-10	37 23.60	-76 39.12	11.45	979948.613	-1.45	-1.84
96-B-11SE3	37 22.83	-76 38.03	27.00	979947.427	-.06	-.98
96-B-12SE4	37 25.27	-76 44.47	116.00	979939.394	-3.25	-7.21
96-B-13	37 23.25	-76 42.58	112.27	979937.309	-2.76	-6.59
96-B-14	37 23.13	-76 41.22	70.69	979941.835	-1.98	-4.39
96-B-15SE5	37 23.50	-76 44.72	108.00	979935.018	-5.82	-9.50
96-C-1 BASE	37 16.58	-76 42.52	77.65	979927.610	-6.05	-8.70
96-C-2	37 15.92	-76 43.17	72.64	979925.124	-8.05	-10.53
96-C-3	37 15.58	-76 44.45	110.91	979919.935	-9.15	-12.94
96-C-4	37 15.45	-76 43.73	89.87	979922.012	-8.87	-11.93
96-C-5	37 18.17	-76 43.67	98.36	979926.477	-7.54	-10.89
96-C-6	37 17.20	-76 43.25	97.41	979926.849	-5.85	-9.18
96-C-7	37 19.48	-76 44.28	103.78	979927.012	-8.40	-11.94
96-C-8	37 20.23	-76 44.98	117.64	979927.280	-7.91	-11.93
96-C-9	37 21.13	-76 43.95	116.01	979929.801	-6.85	-10.81
96-C-10	37 20.38	-76 43.07	99.78	979929.390	-7.70	-11.11
96-C-11	37 19.45	-76 42.02	81.16	979931.284	-6.21	-8.97
96-C-12	37 18.25	-76 41.13	66.80	979932.087	-5.02	-7.29
96-C-13	37 17.30	-76 41.22	63.68	979930.123	-5.90	-8.07
96-C-14	37 15.40	-76 40.12	90.96	979923.204	-7.50	-10.60

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
96-C-15	37 16.18	-76 42.03	81.30	979926.504	-6.24	-9.01
96-C-16SE1	37 19.30	-76 40.67	80.00	979936.343	-1.04	-3.77
96-C-17SE2	37 18.62	-76 37.82	20.00	979940.220	-1.82	-2.50
96-C-18SE3	37 21.40	-76 41.10	80.00	979936.974	-3.45	-6.18
96-D-1	37 16.42	-76 35.17	9.96	979935.851	-3.94	-4.28
96-D-2	37 15.28	-76 32.48	28.50	979929.976	-6.43	-7.40
96-D-3SE1	37 15.23	-76 36.60	88.00	979925.208	-5.53	-8.53
96-D-4	37 16.57	-76 30.18	24.30	979936.503	-2.16	-2.99
96-D-5	37 18.07	-76 30.78	37.94	979940.597	1.05	-.25
96-D-6SE2	37 20.00	-76 30.90	42.00	979945.668	3.70	2.26
96-D-7	37 20.80	-76 32.42	53.79	979948.253	6.23	4.40
96-D-8SE3	37 19.38	-76 33.08	32.00	979944.495	2.48	1.38
96-D-9SE4	37 21.58	-76 33.78	63.00	979949.629	7.34	5.19
96-D-10SE5	37 20.17	-76 35.02	23.00	979946.735	2.74	1.95
96-D-11	37 22.23	-76 34.50	92.62	979947.046	6.60	3.44
96-D-12SE6	37 21.13	-76 36.28	26.00	979946.740	1.62	.73
96-D-13	37 22.30	-76 32.07	73.98	979950.271	7.97	5.45
96-D-14SE7	37 22.22	-76 30.42	31.00	979950.843	4.62	3.57
97-A-1	37 24.07	-76 48.48	108.48	979932.551	-9.06	-12.76
97-A-2SE1	37 23.37	-76 46.10	111.00	979932.917	-7.45	-11.23
97-A-3	37 22.98	-76 48.22	88.87	979931.498	-10.39	-13.42
97-A-4	37 25.88	-76 49.95	128.44	979933.246	-9.12	-13.51
97-A-5SE2	37 24.67	-76 51.78	99.00	979930.468	-12.91	-16.28
97-A-6	37 23.63	-76 52.23	40.42	979932.620	-14.77	-16.15
97-A-7	37 26.78	-76 50.37	96.69	979936.933	-9.73	-13.03
97-A-8	37 27.65	-76 50.40	136.82	979935.467	-8.68	-13.35
97-A-9	37 28.07	-76 50.07	101.51	979939.237	-8.84	-12.30
97-A-10	37 28.67	-76 49.27	88.19	979942.505	-7.69	-10.70
97-A-11	37 29.30	-76 48.73	65.49	979945.880	-7.37	-9.60
97-A-12	37 28.75	-76 52.43	118.55	979936.290	-11.17	-15.22
97-A-13SE3	37 28.10	-76 47.07	90.00	979944.575	-4.63	-7.70
97-A-14SE4	37 26.83	-76 47.50	87.00	979942.055	-5.59	-8.56
97-A-15SE5	37 25.68	-76 47.47	102.00	979938.359	-6.21	-9.69
97-B-1	37 25.68	-76 59.00	38.12	979939.356	-11.22	-12.52
97-B-2	37 25.50	-76 58.17	30.14	979936.149	-14.91	-15.94
97-B-3	37 25.23	-76 56.67	128.12	979925.575	-15.88	-20.25
97-B-4SE4	37 25.33	-76 54.78	99.00	979928.430	-15.91	-19.29
97-B-5	37 25.43	-76 53.58	11.67	979937.373	-15.33	-15.73
97-B-6	37 24.95	-76 52.52	73.08	979933.004	-13.22	-15.71
97-B-7SE1	37 27.08	-76 58.17	102.00	979932.633	-13.97	-17.45
97-B-8	37 28.15	-76 59.17	127.80	979936.035	-9.69	-14.04
97-B-9	37 27.45	-76 55.45	75.86	979934.453	-15.14	-17.72
97-B-10	37 28.28	-76 55.78	109.18	979934.266	-13.40	-17.12
97-B-11	37 29.25	-76 56.10	121.62	979933.236	-14.66	-18.81
97-B-12	37 29.93	-76 56.55	126.66	979934.061	-14.36	-18.67
97-B-13SE2	37 29.38	-76 57.73	103.00	979936.536	-13.31	-16.82
97-B-14SE3	37 26.38	-76 54.02	58.00	979935.213	-14.51	-16.49
97-C-1	37 15.75	-76 52.85	12.58	979924.669	-13.91	-14.34
97-C-2	37 16.10	-76 53.95	34.68	979922.631	-14.38	-15.56
97-C-3	37 16.83	-76 55.03	32.94	979924.395	-13.84	-14.96
97-C-4	37 17.50	-76 56.02	36.22	979926.517	-12.38	-13.61
97-C-5	37 16.57	-76 55.82	32.91	979925.821	-12.03	-13.15
97-C-6	37 16.17	-76 56.33	31.93	979926.939	-10.43	-11.51
97-C-7	37 15.93	-76 57.03	24.46	979929.726	-8.00	-8.84
97-C-8SE1	37 16.72	-76 57.83	49.00	979930.941	-5.61	-7.29
97-C-9SE2	37 18.00	-76 57.97	58.00	979931.364	-6.20	-8.18
97-C-10	37 19.15	-76 58.33	24.24	979934.877	-7.53	-8.36
97-C-11	37 19.60	-76 59.23	42.82	979936.497	-4.82	-6.28
97-C-12	37 20.55	-76 55.27	35.24	979926.021	-17.38	-18.58
97-C-13SE3	37 19.67	-76 53.92	80.00	979922.043	-15.87	-18.60
97-C-14	37 21.53	-76 55.15	39.49	979926.037	-18.39	-19.74
97-C-15	37 21.95	-76 56.13	103.87	979924.458	-14.52	-18.06
97-C-16SE4	37 22.40	-76 57.37	80.00	979930.771	-11.10	-13.83
97-C-17SE5	37 22.15	-76 59.40	120.00	979930.831	-6.92	-11.01
97-C-18SE6	37 21.30	-76 53.65	13.00	979927.412	-19.17	-19.62
97-C-19	37 15.40	-76 59.32	4.01	979934.854	-4.03	-4.16
97-D-1	37 15.13	-76 45.32	66.20	979920.495	-12.15	-14.41

Station Number	Latitude	Longitude	Elevation (feet)	Observed Gravity	Free Air Gravity	Bouguer Gravity
97-D-2	37 15.17	-76 45.97	84.65	979918.037	-12.92	-15.81
97-D-3	37 15.20	-76 47.12	33.87	979919.561	-16.22	-17.38
97-D-4	37 15.18	-76 48.03	24.11	979919.088	-17.59	-18.41
97-D-5	37 15.30	-76 48.95	33.82	979918.021	-17.91	-19.06
97-D-6	37 15.25	-76 49.70	31.90	979918.068	-17.97	-19.06
97-D-7	37 15.32	-76 50.42	32.50	979918.403	-17.68	-18.79
97-D-8	37 15.52	-76 51.17	33.78	979919.178	-17.07	-18.22
97-D-9	37 15.68	-76 51.75	34.07	979921.092	-15.37	-16.53
97-D-10	37 15.85	-76 52.38	11.79	979924.194	-14.61	-15.01
97-D-11	37 15.88	-76 48.35	68.48	979916.890	-16.63	-18.96
97-D-12	37 16.72	-76 48.37	79.65	979917.284	-16.39	-19.11
97-D-13	37 18.22	-76 48.18	97.03	979918.957	-15.25	-18.56
97-D-14	37 18.98	-76 47.40	105.86	979920.495	-14.00	-17.61
97-D-15	37 21.25	-76 49.05	126.41	979922.895	-12.95	-17.26
97-D-16SE1	37 20.90	-76 52.08	11.00	979927.332	-18.86	-19.23
97-D-17	37 20.40	-76 48.28	121.05	979921.868	-13.25	-17.38
97-D-18	37 19.47	-76 49.63	89.53	979920.261	-16.47	-19.52
97-D-19	37 18.08	-76 49.88	99.39	979917.152	-16.64	-20.03
97-D-20	37 21.83	-76 46.15	102.00	979930.793	-8.19	-11.67
97-D-21	37 22.42	-76 46.30	107.30	979931.388	-7.94	-11.60
97-D-22	37 21.12	-76 45.85	113.00	979928.715	-8.20	-12.05
97-D-23	37 20.57	-76 45.43	121.26	979927.441	-7.90	-12.03

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

REPORT OF INVESTIGATIONS 39
PLATE 1



GRAVITY TRENDS AND SELECTED WELLS, SOUTHEASTERN VIRGINIA

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

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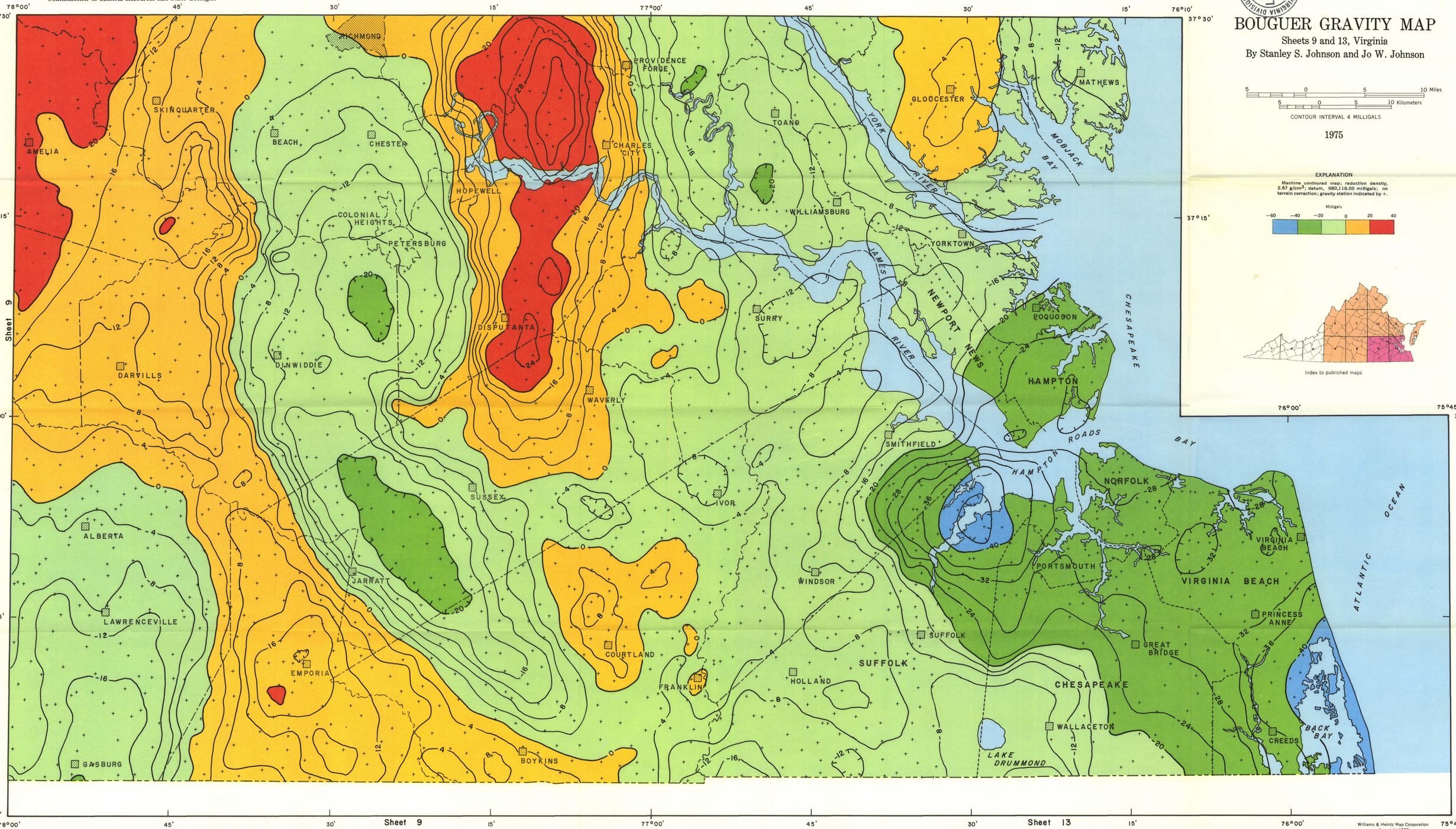
REPORT OF INVESTIGATIONS 39
SHEETS 9, 13

BOUGUER GRAVITY MAP

Sheets 9 and 13, Virginia

By Stanley S. Johnson and Jo W. Johnson



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