

MARYLAND AND THE DISTRICT OF COLUMBIA.

PRIMARY TRAVERSE.

Washington quadrangle (embracing portions of Laurel, Rockville, East Washington, and West Washington quadrangles).

DISTRICT OF COLUMBIA; MONTGOMERY AND PRINCE GEORGES COUNTIES, MD.

The following geographic positions were determined by C. B. Kendall in 1903, 1904, 1912, and 1915, and by J. R. Ellis in 1910 and 1912.

The work of 1904, 1910, and 1912, published in Bulletins 245, 276, 496, and 551, has been readjusted to agree with lines run in 1915 by C. B. Kendall and tied to Soper, Cissel, north and east corners of the District of Columbia, Beal, Maryland Agricultural College, Stabler, and Rockville triangulation stations of the United States Coast and Geodetic Survey.

WASHINGTON QUADRANGLE.

MARYLAND.

Along highways near north border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
Soper triangulation station, 6 miles northwest of Beltsville, on land of Bank. Downes, about 92 feet east of old Columbia turnpike, Washington to Baltimore; station mark earthen cone 2 feet below surface. Reference marks: No. 1, copper nail and washer in apple tree, 53.9 feet east; No. 2, copper nail and washer in cedar tree, 61 feet south; No. 3, copper nail and washer in cedar tree, 79.4 feet west; No. 4, copper nail and washer in apple tree, 65.8 feet west.	° ' "	° ' "	Feet.
Three corners, 5 feet to corner rail fence, 20 feet south to post.	39 05 11.84	76 57 00.72	911
Fairland, center of public crossroads at.	39 05 03.4	76 57 04.7	3,562
Fairland, in west face of south corner of stone foundation of old Soper dwelling, in northeast corner of crossroads, 120 feet north of center of crossroads; aluminum tablet stamped "Prim. Trav. Sta. No. 2, Maryland, 414, 1912"	39 04 33.6	76 57 28.8	
Paint Branch, center of wooden bridge over	39 04 34.7	76 57 28.9	115
T road north, 25 feet northwest to mail box, 18 feet northeast to corner of wire fence.	39 04 38.2	76 58 35.4	5,261
Colesville, in south wall of foundation of F. M. Hobb's residence, which is in northeast corner of crossroads; aluminum tablet stamped "Prim. Trav. Sta. No. 3, 1912"	39 04 40.6	76 59 12.3	2,921
Colesville, about 0.3 mile southwest of, 700 feet south of cemetery, 500 feet south of public road; center of white house.	39 04 33.2	77 00 07.1	4,382
Colesville, about 1.1 miles southwest of, 300 feet south of road; house.	39 04 21.7	77 00 26.3	1,913
Three corners, 500 feet south of the northwest mill, 100 feet southwest of iron bridge over northwest branch, 10 feet north to Bliss and Sommers's mail box, 35 feet southwest to center of plank bridge; public T road south.	39 03 55.4	77 01 16.8	4,789
Second-class road north, at bend of main road to southwest, 25 feet north to gate, 18 feet west to maple tree.	39 03 52.2	77 01 44.0	2,163
Glenmont, intersection of Union pike and public road northeast to Colesville, 40 feet northeast to corner wire fence post, 35 feet southeast to telephone pole, 35 feet southwest to telephone pole No. 110.	39 03 53.4	77 02 23.6	3,127
Three corners, public T road east, center of Union pike at.	39 03 28.8	77 03 01.0	3,868
Wheaton, on south side of store kept by J. C. Cissel; aluminum tablet stamped "Prim. Trav. Sta. No. 1, 1915, elev. 459"	39 03 10.6	77 03 04.6	1,857
Wheaton, 0.25 mile southwest of; public road crossing.	39 02 29.6	77 03 06.5	4,154
Kensington, forks at north edge of, pike north and public road northeast, 20 feet south to large elm.	39 02 24.0	77 03 20.7	1,257
Kensington, intersection of St. Paul Street and Baltimore & Ohio R. R., 250 feet west of station; center between tracks.	39 02 00.5	77 04 11.1	4,632
	39 01 38.1	77 04 22.2	2,429

WASHINGTON QUADRANGLE—Continued.

Along Baltimore & Ohio R. R. from Kensington to Rockville.

Station.	Latitude.	Longitude.	Distance between stations.
Kensington, about 1 mile northwest of; center of east track under highway bridge.....	° ' " 39 02 03.1	° ' " 77 05 16.5	<i>Feet.</i> 4,974
Garrett Park station, 100 feet south of; public road crossing.....	39 02 19.1	77 05 36.5	2,258
Windham station, 40 feet southeast of; center of west track at road crossing.....	39 02 53.2	77 06 16.0	4,650
Randolph station, 100 feet northwest of; center of west track at road crossing.....	39 03 11.8	77 06 37.5	2,540
Halpine station, 80 feet southeast of; center of main track at road crossing.....	39 03 47.1	77 07 18.4	4,810
Halpine station, about 1,500 feet northwest of; center of west track under public road crossing.....	39 03 58.1	77 07 31.0	1,493
Autrey Park station, about 1,500 feet northwest of; center of west track under road crossing.....	39 04 28.8	77 08 06.6	4,189
Rockville; flagpole on top of standpipe.....	39 04 56.0	77 08 26.4	3,159
Rockville station, 200 feet southeast of; center of west main track at street crossing.....	39 04 57.6	77 08 39.8	1,077
Rockville, center of street-car track, at intersection of Montgomery Avenue and Adams Street.....	39 05 02.8	77 09 18.3	3,079
Rockville latitude station, about 1 mile from Rockville railroad station, on Forest Avenue, Rockville, on land of Edwin Smith; the pier is built of rough sandstone and cement on foundation of quartz rock; pier is 0.61 meter square and the top is 0.99 meter above ground.....	39 05-11.21	77 09 36.65	1,679
Rockville, about 1 mile southwest of; center of pike at public road southeast, 20 feet north to small cedar, 30 feet west to small cedar.....	39 04 24.1	77 09 54.4	4,968
Three corners, second-class T road west, center of pike at, 30 feet northwest to telephone pole 72, 35 feet west to wire gate.....	39 03 51.7	77 10 33.1	4,486
Forks, center of pike at second-class road east, 30 feet east to cedar tree, 15 feet southeast to fence post.....	39 03 24.1	77 10 45.5	2,963
Rockville, 3.9 miles southwest of, at road forks east, in west face of stone under the southwest corner of the Wayside school-house; aluminum tablet stamped "Prim. Trav. Sta. No. 2, 1915, elev. 420".....	39 03 00.3	77 11 17.8	3,511
Three corners at foot of hill, center of pike at public T road east, 30 feet southeast to mail box, 40 feet southwest to sycamore stump.....	39 02 08.0	77 11 40.7	5,586
Potomac, about 0.6 mile north of; 200 feet east of church, center of pike at public T road east, 15 feet south to corner fence, 30 feet northeast to culvert.....	39 01 33.9	77 12 19.0	4,592
Potomac, four corners at, 45 feet northeast to southwest corner of John Stone's store, 65 feet north to southeast corner of Perry's store, 25 feet west to corner of iron fence.....	39 01 05.0	77 12 33.1	3,138
Potomac, 0.9 mile northwest of; public T road southwest, 20 feet west to corner fence, 30 feet southeast to corner fence.....	39 01 36.8	77 13 13.6	4,535
Grimes Lock, about 0.3 mile north of; public T road south to lock, 20 feet southwest to mail box, 12 feet north to wire fence.....	39 02 06.3	77 14 26.3	6,471
Grimes Lock (No. 21), cemented in coping stone of west wing wall to south end of; aluminum tablet stamped "Prim. Trav. Sta. No. 179".....	39 01 51.96	77 14 38.82	1,673

Along highways near north corner of District of Columbia.

Linden, 1,000 feet south of; center of bridge over Baltimore & Ohio R. R.....	39 00 19.7	77 03 00.3
Cissel triangulation station of U. S. Coast and Geodetic Survey, on land of Mr. Cissel on north railroad bank and 600 yards southeast of the house; station mark, an earthenware ale bottle 3 feet underground and granite block 2 feet long and 6 by 6 inches at top with $\frac{1}{4}$ -inch hole in center.....	39 00 06.3	77 02 39.6	2,120
North corner of District of Columbia, on northwest side of hill, on land of Mr. Fenwick. It can be reached by taking Silver Spring road and after passing toll gate by taking left-hand road to Mr. Fenwick's house. Station mark: A 12 by 12 inch stone standing 2 feet out of ground and in good state of preservation.....	38 59 45.38	77 02 28.48	2,300

Along highways near Maryland Agricultural College.

Lakeland, 50 feet southeast of store, at public road crossing, center of west track.....	38 59 20.2	76 55 44.5
College Avenue station, at public east and west road leading to Maryland Agricultural College, center of (west) track of electric line.....	38 58 50.8	76 55 55.5	3,102
Maryland Agricultural College triangulation station, center of cupola at south end of old barracks building (destroyed by fire).....	38 59 00.88	76 56 37.88	3,500

WASHINGTON QUADRANGLE—Continued.

Along highways near Maryland Agricultural College—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Fect.</i>
Maryland Agricultural College, center of standpipe at.....	38 59 04.0	76 56 41.3	411
Three corners, public T road south, 25 feet east to small cedar, 10 feet southwest to corner post of wire fence (location doubtful)...	38 59 05.1	76 56 57.1	1,256
Beals triangulation station, about 1 mile southwest of the Maryland Agricultural College, center of cupola on red brick house, the old residence of Gen. Beal.....	38 58 42.67	76 57 33.84	3,684
East corner of the District of Columbia, in bottom on east side of stream near Mr. Lee's house; 12 by 12 inch stone 2 feet out of ground, in good state of preservation.....	38 53 34.23	76 54 33.94

Magnetic declination, 1915; Near north border, on line from Soper triangulation station to Kensington, mean declination is 5° 03' W., range 3° 55' W. to 7° 02' W.; near north corner of District of Columbia mean declination is 4° 54' W.; near Maryland Agricultural College mean declination is 4° 29' W., range 1° 35' E. to 6° 45' W.; along railroad, Kensington to Rockville, mean declination is 7° 07' W.; along highways, from Rockville to Grimes Lock, mean declination is 6° 02' W., range 3° 00' W. to 8° 19' W.

The following 37 geographic positions were determined by J. R. Ellis during the season of 1910 and are based on Coast and Geodetic Survey triangulation stations.

WASHINGTON QUADRANGLE AND VICINITY.

Along the Chesapeake & Ohio Canal between Georgetown, D. C., and Great Falls, Md.

Station.	Latitude.	Longitude.
	° ' "	° ' "
DISTRICT OF COLUMBIA.		
Georgetown College, east lightning rod.....	38 54 26.13	77 04 22.70
Georgetown College Observatory dome.....	38 54 29.94	77 04 39.05
Chain Bridge, flagpole on hotel at west end of.....	38 55 47.95	77 07 02.85
Station 252.....	38 55 51.01	77 06 46.63
District line monument No. 4.....	38 56 15.28	77 06 57.38
MARYLAND.		
Lock No. 7, cross cut on south end of east wall.....	38 57 51.80	77 08 20.81
Lock No. 8, south hinge of lower wing.....	38 58 15.00	77 09 39.10
Lock No. 8, bronze tablet in top of wall, east end, north side; stamped "Prim. Trav. Sta. No. 3, 1910, elev. 69".....	38 58 15.27	77 09 38.84
Lock No. 9, cross in center of painted triangle on south part of top of east wall; painted "elev. 77".....	38 58 20.04	77 10 00.92
Lock No. 10, cross in center of painted triangle on south part of top of east wall; painted "elev. 85".....	38 58 20.13	77 10 06.74
Lock No. 11, cross cut on top of stone wall; elevation 93 feet.....	38 58 20.31	77 10 18.89
Milestone No. 9.....	38 58 20.25	77 10 10.88
Lock No. 12, on top of southeast corner of wall; center of cross cut; elevation 102 feet.....	38 58 20.75	77 10 39.63
Lock No. 12, south end of west gate.....	38 58 20.66	77 10 41.20
Lock No. 13, on top of southeast wall; center of square cut; elevation 109 feet.....	38 58 20.08	77 10 45.20
Lock No. 14, in top of east part of wall, at lower gate; bronze tablet; elevation stamped "117".....	38 58 19.80	77 10 50.85
Lock No. 14, south hinge to west gate.....	38 58 19.39	77 10 52.23
Lock No. 14, spillway about 1,000 feet west of; towpath.....	38 58 17.82	77 11 04.81
Milestone No. 10, hole drilled in center of paint ring on top of.....	38 58 15.21	77 11 27.38
Copper nail and washer in notch in root of water oak on south side of towpath; elevation 120 feet.....	38 58 16.79	77 11 44.02
Crossing of road through culvert under towpath.....	38 58 23.03	77 11 56.30
Milestone 11, painted point on highest part; elevation 119 feet.....	38 58 38.74	77 12 25.06
Towpath over branch.....	38 58 38.38	77 13 15.72
Milestone 12.....	38 58 42.42	77 13 26.76
Triangle (Δ) on ledge on west side of towpath, painted "118" 650 feet above rock crusher.....	38 58 57.06	77 13 52.23

WASHINGTON QUADRANGLE AND VICINITY—Continued.

Along the Chesapeake & Ohio Canal between Georgetown, D. C., and Great Falls, Md.—Continued.

Station.	Latitude.	Longitude.
MARYLAND—continued.		
Davis triangulation station on ledge of rock, west side of towpath; elevation 119 feet.....	° ' "	° ' "
Lock No. 15, 380 feet south of, square cut in rock on west side of towpath; marked "120".....	38 59 00.46	77 14 13.20
Lock No. 15, cross cut on southwest wing; elevation 126 feet.....	38 59 17.64	77 14 40.55
Lock No. 16, cross cut on south end of west wall; elevation 134 feet.....	38 59 21.32	77 14 39.68
Cross cut on top of west wall of gateway between locks 16 and 17; elevation 135 feet.....	38 59 30.50	77 14 40.62
Lock No. 17, □ cut on southwest corner of, south end of west wall; elevation 142 feet.....	38 59 35.83	77 14 43.37
Lock No. 18, top of bolt in south wall; elevation 150 feet.....	38 58 45.90	77 14 52.92
Great Falls, in southeast corner of stone gatehouse; bronze tablet stamped "Prim. Trav. Sta. No. 1".....	38 59 50.61	77 14 55.35
□ cut in stone wall at gate of dam.....	39 00 01.86	77 14 53.10
Towpath at branch.....	39 00 03.29	77 14 55.93
Towpath at branch.....	39 00 46.15	77 14 28.41
Grimes Lock (No. 21), at southwest part of, in top of stone wing; aluminum tablet stamped "Prim. Trav. Sta. No. 179 1907".....	39 01 15.78	77 14 15.61
	39 01 51.96	77 14 36.82

LAUREL QUADRANGLE.

From Arundel to Bowie.

Station.	Latitude.	Longitude.
	° ' "	° ' "
Arundel station, west track 100 feet north of.....	39 01 57.9	76 45 12.7
Road crossing (east track).....	39 01 03.7	76 45 54.5
Bowie, east edge of road 25 feet north of north end of bridge over Philadelphia, Baltimore & Washington R. R.....	39 00 29.4	76 46 44.5

Along highways.

Bowie, three corners near stone residence in northwest part of.....	39 00 38.7	76 46 55.7
White house, three corners, 300 feet east of.....	39 00 34.7	76 48 05.5
Three corners, telegraph road, 45 feet south to oak tree, 55 feet northwest to wild cherry tree.....	39 00 25.2	76 48 38.0
Forks of road to west at row of cedars.....	39 00 46.0	76 49 14.4
Three corners, 22 feet south to fence post, 40 feet north to pear tree.....	39 00 56.8	76 50 53.4
Four corners, 40 feet southeast to oak tree, 43 feet southwest to corner of dwelling.....	39 01 10.6	76 51 30.1
Forks of road, 15 feet east to forks of oak, 30 feet northwest to forks of oak.....	39 00 40.7	76 52 45.2
Forks of road to east, 200 feet east of stream.....	39 00 19.9	76 53 40.4
Four corners, 35 feet southeast to pine tree, 18 feet northwest to old stump.....	38 59 46.5	76 54 06.3
Branchville, road crossing.....	38 59 55.5	76 55 13.4
Blacksmith shop, three corners at.....	38 59 54.1	76 55 54.4
Forks, 15 feet south to oak tree, 40 feet northwest to gatepost.....	39 00 08.6	76 57 57.4
Avenel post office, three corners.....	39 00 14.7	76 58 51.9
Avenel post office, four corners, 1 mile southwest of, 31 feet northwest to nail in telephone pole, 30 feet to nail in cedar tree.....	38 59 58.1	76 59 44.2
Four corners, 30 feet east to north stone gatepost, 23 feet west to corner of Labyrinth's real estate office.....	39 01 12.5	77 00 46.8
Burnt Mills post office, forks of road, 300 feet south.....	39 01 50.1	77 00 19.0
Junction of Columbia pike and Bladensburg road at No. 2 tollgate.....	39 02 25.7	76 59 28.5
Three corners, 15 feet west to oak tree, 40 feet east to mail box.....	39 03 18.0	76 59 44.2
Colesville, four corners.....	39 04 32.8	77 00 07.8
Blacksmith shop, forks of road, 25 feet southeast to telephone pole, 35 feet southwest to telephone pole.....	39 05 20.8	77 00 00.4
Cloverly post office, three corners, 53 feet west to corner of dwelling, 60 feet south to cherry tree.....	39 06 42.6	76 59 42.8
Stabler triangulation station, U. S. Coast and Geodetic Survey.....	39 07 17.7	76 59 06.5

ROCKVILLE QUADRANGLE.

Along highways.

Station.	Latitude.	Longitude.
Brink post office, three corners, 1 mile south of, at Neelsville Presbyterian Church, 50 feet east to wire fence, 40 feet northwest to yard corner.	39 11 43.6	77 14 39.4
Middlebrook, four corners, 60 feet northwest to store corner, 45 feet southwest to stone fence corner.	39 10 42.4	77 14 18.8
Seneca Creek, center of bridge over.	39 10 00.9	77 13 37.4
Three corners, 40 feet east to tree at fence corner, 45 feet northeast to fence corner.	39 09 27.7	77 13 04.7
Gaithersburg, cemented in north wall at northwest corner of brick store of Mr. R. A. Young at junction of Frederick Avenue and Chestnut Street, aluminum tablet stamped "Prim. Trav. Sta. No. 24"	39 08 37.6	77 12 06.2
Gaithersburg, Frederick Avenue crossing, Baltimore & Ohio R. R., 55 feet east to telegraph office, 40 feet northwest to crossing sign.	39 08 29.2	77 11 55.4
Three corners.	39 07 29.6	77 12 48.9
Three corners, 30 feet northeast to cedar tree, 35 feet southeast to fence corner.	39 06 54.9	77 12 58.9
Three corners, at signboard, 35 feet north to signboard, 15 feet south to telephone pole.	39 06 11.4	77 13 26.1
Three corners, 40 feet north to fence corner, 40 feet southwest to fence painted.	39 05 00.9	77 14 55.0
Grimes Lock (No. 2), 3 corners, $\frac{1}{2}$ mile north of, 29 feet southeast to nail in fence post, 36 feet southwest to nail in fence post.	39 02 06.5	77 14 26.3
Grimes Lock (No. 21), cemented in coping stone of west wing wall to south end of, aluminum tablet stamped "Prim. Trav. Sta. No. 179"	39 01 52.0	77 14 36.8
Forks of road, 25 feet south to mark on fence.	39 01 53.0	77 13 59.5
Three corners, 35 feet south to corner fence, 30 feet east to fence.	39 01 36.8	77 13 13.6
Potomac, four corners, 75 feet northeast to southwest corner post office, 50 feet east to corner John Stone's store.	39 01 05.0	77 12 33.1
Three corners, 30 feet south to wire fence, 30 feet northwest to fence corner.	39 00 07.37	77 10 51.78
Cabin John Creek, crossroads 125 feet west of.	38 59 48.49	77 10 11.26
Emery crossroads, 40 feet southeast to corner small dwelling, 25 feet south to stable corner.	38 59 32.59	77 09 41.24
Cabin John Bridge, forks of road 1 mile northeast of, 25 feet east to wire fence corner, 50 feet north to telephone pole.	38 59 00.18	77 08 15.22
Forks of road, 25 feet southeast to telephone pole, 25 feet north to forked cherry tree.	38 59 23.98	77 07 17.70
Bethesda street-car station, three corners, $\frac{1}{2}$ mile south of, 25 feet east to car track, 50 feet southwest to store corner.	39 00 00.38	77 06 35.48
Georgetown pike, three corners at.	39 00 23.28	77 05 51.85
Bethesda street-car station, cemented in middle stone of west wall of culvert near Rock Creek on Georgetown pike, 0.8 mile east of, aluminum tablet stamped "Prim. Trav. Sta. No. 302"	39 00 21.57	77 05 51.93
Forks of road, 60 feet northeast to telephone pole, 50 feet east to telephone pole.	38 59 46.06	77 05 48.51
Forest Glen, street-car crossing, 1 mile south of.	38 59 59.76	77 04 37.59
Overhead bridge.	38 59 52.06	77 03 25.67
Triangle, junction Brookville pike and road to Forest Glen, 45 feet southwest to cedar tree at gate, 25 feet northwest to telephone pole.	39 00 34.55	77 02 27.25
Burnt Mills, four corners, 1 mile west of, junction Coleville pike and Blanchard and Wheaton road, 33 feet west to real estate office.	39 01 12.5	77 00 46.8
Burnt Mills, four corners, 1 mile west of, cemented in north stone of gatepost to entrance to farm of Mr. Kolk; aluminum tablet stamped "Prim. Trav. Sta. No. 361"	39 01 12.6	77 00 46.0

WASHINGTON QUADRANGLE.

MARYLAND.

Along City & Suburban Electric Railway and highways near east border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect.
Branchville, 0.5 mile west of; three corners at blacksmith shop.	38 59 54.1	76 55 54.4
Branchville, road crossing on City & Suburban Electric Ry.	38 59 56.7	76 55 32.3	1,761
Hollywood, Richmond Avenue crossing on City & Suburban Electric Ry.	39 00 37.5	76 55 21.3	4,220
Englewood, Beech Street crossing on City & Suburban Electric Ry.	39 00 57.8	76 55 15.8	2,100
City & Suburban Electric Ry. and Washington-Baltimore road; center of crossing.	39 01 45.3	76 54 56.7	5,041
Beltsville, Baltimore & Ohio R. R. at road crossing; center of main track.	39 02 09.3	76 54 21.7	3,682
Four corners at top of hill, 55 feet southeast to cedar tree, 35 feet northeast to corner of fence.	39 02 35.0	76 53 45.0	3,886
Muirkirk, 0.25 mile east of, 35 feet southeast to oak tree, 35 feet southwest to telephone pole; four corners.	39 03 35.6	76 52 53.4	7,358
Contee, in west face of north brick gatepost at entrance to residence of Chas. R. Hoff, 60 feet east of east track of Baltimore & Ohio Ry. at road crossing, 125 feet south of station; aluminum tablet stamped "Prim. Trav. Sta. No. 1, 1912"	39 04 32.0	76 51 55.5	7,312

WASHINGTON QUADRANGLE—Continued.

Along highways near north border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
Contee, road crossing at station; center of track of City & Suburban Electric Ry.	° ' " 39 04 38.5	° ' " 76 52 20.6	<i>Feet.</i> 2,085
Contee, 1 mile northwest of, 10 feet north to mail box; 18 feet south to cedar tree, 20 feet southeast to mail box; T road southwest...	39 05 00.4	76 53 02.4	3,972
T road west, 35 feet northwest to corner of plank and wire fence...	39 05 04.1	76 53 44.8	3,363
T road east, 40 feet south to oak tree, 30 feet northeast to mail box.	39 04 50.3	76 55 10.0	6,868
T road west, 40 feet south to mail box.....	39 04 31.9	76 55 16.5	1,928
Soper triangulation station, 1,500 feet southwest of, 10 feet northeast to corner of rail fence, 20 feet south to post painted "U. S. 157"; T road southeast.....	39 05 03.4	76 57 04.9	9,125
Beltsville, 6 miles northwest of, on land of Benj. F. Miles, 92 feet east of old Columbia turnpike (Washington to Baltimore); center of granite pillar 2 feet 10 inches long with top 5 inches square (C. & G. S. triang. sta. Soper).....	39 05 11.84	76 57 00.72	915
Fairland, in west face of south corner of stone foundation of old Soper dwelling, which is in northeast corner of crossroads, 120 feet north of center of crossroads; aluminum tablet stamped "Prim. Trav. Sta. No. 2, Maryland, 414, 1912".....	39 04 34.7	76 57 28.9	4,370
Paint Branch, center of wooden bridge over.....	39 04 38.2	76 58 35.4	5,251
T road north, 25 feet northwest to mail box 81, 18 feet northeast to corner of wire fence.....	39 04 40.6	76 59 12.3	2,941
Colesville, four corners at.....	39 04 32.8	77 00 07.8	4,433
Colesville, in south wall of foundation of F. M. Hobb's residence, which is in northeast corner of crossroads; aluminum tablet stamped "Prim. Trav. Sta. No. 3, 1912".....	39 04 33.2	77 00 07.1	68

The following geographic positions were established in 1912 by J. R. Ellis. The line starts from an adjusted position 1 mile east of Branchville and follows highways to Lanham, thence along the Pennsylvania Railroad to Ardwick station, thence by highway to Ardmore station, Brightseat, Seat Pleasant, and connects with the east District of Columbia monument. A line starts from an adjusted position 1 mile east of Seat Pleasant, follows public highways through Richie, Forestville, Camp Springs, and Friendly, and connects with the District of Columbia monument at Fox Ferry.

WASHINGTON QUADRANGLE.

MARYLAND.

Along highways and Pennsylvania Railroad near east border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
Branchville, 1 mile east of; four corners.....	° ' " 38 59 46.5	° ' " 76 54 06.3	<i>Feet.</i>
Branchville, 2.5 miles east of; double pine tree at T road south....	38 59 39.9	76 52 32.8	7,410
Branchville, 3 miles east of, at west point of triangle in forks; cross cut in blaze on white-oak tree.....	38 59 30.5	76 51 57.8	2,930
Lanham, 1.8 miles north of, on north side of field; east point of triangle at forks.....	38 59 05.3	76 51 45.6	2,731
Lanham, 1.2 miles north of, at log house, 22 feet west to blaze on small pine tree; center of crossroads.....	38 58 40.5	76 51 19.3	3,253
Lanham, 0.3 mile northeast of, in south end of retaining wall of west end of bridge over Pennsylvania R. R.; aluminum tablet stamped "Prim. Trav. Sta. No. 1, 1912".....	38 57 50.7	76 51 30.9	5,137
Lanham, east track of Pennsylvania R. R. at road crossing.....	38 57 34.0	76 51 47.6	2,137
Ardwick station, middle track of Pennsylvania R. R. at road crossing.....	38 56 40.8	76 52 35.4	6,576
Ardmore station, crossing of pike under Washington, Baltimore & Annapolis R. R. (electric).....	38 56 19.0	76 51 26.6	5,858

WASHINGTON QUADRANGLE—Continued.

Along highways and Pennsylvania Railroad near east border of quadrangle—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Junction of Ardwick Avenue north-south and Lincoln Avenue east.....	° ' " 38 55 48.5	° ' " 76 51 35.4	<i>Feet.</i> — 3,162
Brightseat, 0.3 mile northwest of, on south side of T road northeast; red oak tree.....	38 55 07.4	76 51 41.4	4,189
Brightseat, center of T road northeast.....	38 55 00.3	76 51 20.2	1,820
Brightseat, 1 mile south of; cross on top of stone monument in gateway.....	38 54 25.7	76 51 11.2	3,569
Brightseat, 1.5 miles east of; center of intersection of Central Avenue and T road north.....	38 53 28.5	76 51 02.5	5,825
Brightseat, 1.2 miles east of; Central Avenue at private road south.....	38 53 25.2	76 51 24.0	1,737
Brightseat, just east of blacksmith shop; center of T road north.....	38 53 18.6	76 52 40.6	6,091
District station, 0.8 mile southeast of; center of crossroads at store.....	38 53 12.5	76 53 54.3	5,860
East corner monument of District of Columbia.....	38 53 34.23	76 54 33.94	3,828
Richie station, 0.8 mile northwest of; road crossing under Chesapeake Beach R. R.....	38 52 42.7	76 51 46.1
Richie station, just west of; road crossing on Chesapeake Beach R. R.....	38 52 11.2	76 51 21.1	3,764
Richie station, in concrete floor at entrance to store; aluminum tablet stamped "Prim. Trav. Sta. No. 2, 1912".....	38 52 07.5	76 51 20.3	372
Richie station, 1 mile southwest of, center of Richie-Forestville pike at T road east.....	38 51 36.9	76 52 18.0	5,511
Forestville, 20 feet west to "Ele. 280.1" on telephone pole, 36 feet north to corner post; crossing of Marlboro turnpike and north-south turnpike.....	38 50 40.3	76 52 27.2	5,776
Forestville, 2 miles south of; center of crossroads.....	38 49 03.0	76 52 40.4	9,905
Camp Springs, 1 mile northeast of; center of T turnpike northwest.....	38 48 41.5	76 53 44.2	5,491
Camp Springs, in top of concrete retaining wall of south end of culvert, 20 feet east by 5 feet north to center of cross pikes; aluminum tablet stamped "Prim. Trav. Sta. No. 3, 1912".....	38 48 13.5	76 54 25.9	4,357
Pagetts Corners, center of cross pikes at.....	38 47 35.2	76 55 44.3	7,314

Along highway near south border of quadrangle.

Schoolhouse, center of crossroads.....	38 47 15.1	76 56 19.3	3,424
Friendly, 2 miles northeast of; center of T pike southeast.....	38 46 35.2	76 57 07.9	5,583
Friendly, 1.25 miles northeast of, 20 feet south by 15 feet west to Steed's mail box; center of Camp Springs-Friendly road at road east.....	38 45 42.3	76 57 23.6	5,497
Hyland Harmon's mail box on south side of forks.....	38 45 20.4	76 57 53.3	3,232
Friendly, 20 feet south to Geo. M. Boland's mail box; center of T road northeast.....	38 45 06.0	76 58 42.9	4,191
Friendly, 1 mile west by 0.5 mile north of; center of T turnpike west of saloon.....	38 45 30.5	76 59 46.2	5,590
New Glatz, 1 mile south of; forks of road.....	38 45 40.3	77 00 18.7	2,752
New Glatz, 20 feet west by 10 feet south to corner of yard fence; T road west at store.....	38 46 38.2	77 00 22.4	5,866
Fox Ferry, 0.5 mile southeast of; T road east.....	38 47 48.1	77 01 10.9	8,039
Fox Ferry, District of Columbia monument.....	38 48 05.57	77 01 35.39	2,625

