

## GEORGIA.

### PRIMARY TRAVERSE.

Agricola, Alapaha, Altamaha, Aonia, Appling, Augusta, Baxley, Black Lake, Bladen, Boulogne, Brooklet, Broxton, Brunswick, Camp Hancock, Chalker, Clarks Hill, Cobbtown, Coffee, Daisy, Danburg, Darien, Dates, Davisboro, Dearing, Egypt, Eulonia, Everett, Folkston, Garfield, Glennville, Gough, Greens Cut, Griswoldville, Hardeeville, Haylow, Heartsease, Hephzibah, Hilltonia, Hinesville, Homerville, Hortense, Jeffersonville, Jesup, Kingsland, Leliaton, Limerick, Lincolnton, Ludowici, Lumber City, Macclenny, Macon, Meldrim, Meriwether, Milledgeville, Millen, Moniac, Nahunta, Naylor, Oak Park, Offerman, Omecron, Ossabaw Island, Peoples, Pembroke, Perrys Mills, Register, Reidsville, Robbins, Rocky Ford, Rosier, St. Marys, Sandersville, Savannah, Sessoms, Shirley, Shoulder, Sparks, Sparta, Spread, Stillmore, Sylvania, Tifton, Travisville, Towns, Valdosta, Vidalia, Wadley, Warrenton, Waycross, Wilcox, Winokur, Wrightsville, and Wyley quadrangles.

APPLING, BACON, BALDWIN, BERRIEN, BIBB, BRYAN, BULLOCH, CAMDEN, CHARLTON, CHATHAM, CLINCH, COFFEE, COLUMBIA, EFFINGHAM, EMANUEL, GLASCOCK, GLYNN, HANCOCK, JEFF DAVIS, JEFFERSON, JENKINS, JOHNSON, LIBERTY, LINCOLN, LOWNDES, MCINTOSH, PIERCE, RICHMOND, SCREVEN, TATTNALL, TOOMBS, WARE, WARREN, WASHINGTON, WAYNE, WIGGS, AND WILKINSON COUNTIES.

The following geographic positions on North American datum are based upon United States Coast and Geodetic Survey triangulation and primary traverse stations and United States Geological Survey primary traverse stations in southeastern Georgia.

Credit is given to the chief of the field party at the beginning of each quadrangle list.

For descriptions and geographic positions of stations previously located in Georgia, see United States Geological Survey Bulletins Nos. 122, 216, 245, 276, 310, 440, and 551, and the Twenty-first Annual Report, Part I, also refer to United States Coast and Geodetic Survey Special Publications Nos. 43 and 45 and unpublished data of that Survey.

## AGRICOLA QUADRANGLE.

Along highways near east border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Norton's store, road south at; 40 feet northwest of.....	33 14 48.6	82 31 54.1	.....
T road south, 40 feet northwest to house.....	33 14 50.8	82 30 27.3	7,380
Norton's store, 1 mile southeast of; well in front of house.....	33 14 21.8	82 31 20.0	.....
Creek, course southwest, forks on south side of.....	33 13 43.8	82 31 06.0	4,020
Dote Peter's house, road opposite, in front of.....	33 13 20.0	82 35 15.7	2,544
Avera, crossroads at, 1.5 miles north of.....	33 12 49.2	82 31 27.1	3,262
Avera, railroad crossing, 0.25 mile northeast of.....	33 11 47.8	82 31 29.0	6,208
Avera, railroad crossing west of station.....	33 11 37.8	82 31 40.0	1,382
Gin and store, forks of road at, 50 feet southwest to gin.....	33 10 01.9	82 31 48.4	9,729
T road east, 20 feet northeast to mail box 16 (R. L. Brown).....	33 09 09.5	82 31 33.1	5,447
Avera, 4 miles south of, near crossroads, 10 feet south of three mail boxes; iron post stamped "Prim. Trav. Sta. No. 23, 1918 H." 1,200 feet southeast is nail in hub on east side of road, azi- muth 337°49'20"; 315 feet northwest is nail in hub on west side of road, azimuth 150° 52' 30".....	33 08 33.4	82 31 15.6	3,940
T road east, 30 feet northeast to mail box.....	33 07 57.3	82 31 08.2	3,710
Milepost 11 miles from Louisville, road opposite.....	33 07 14.6	82 30 57.4	4,416
T road west, 40 feet northwest to mail box at oak tree.....	33 06 41.1	82 30 38.8	3,738
Hardin & Rodes store, road opposite.....	33 06 13.8	82 30 22.1	3,100
Stapleton schoolhouse, crossroads at.....	33 06 03.6	82 30 15.9	1,166

Magnetic declination for east border of quadrangle, 1° 20' E.

Along Augusta Southern R. R. (By E. L. McNair in 1918.)

Road crossing.....	33 14 56.0	82 38 17.5	.....
Intersection of railroad tangents, angle 9°.....	33 14 17.9	82 37 23.1	6,012
Overhead-highway crossing.....	33 13 54.0	82 37 03.7	2,925
Farm-road crossing.....	33 13 48.3	82 36 26.8	3,191
Gibson, street crossing at.....	33 13 51.7	82 35 46.5	3,439
Gibson station, 85 feet east of, 10 feet northwest of switchstand, 17 feet north of center of track; iron post stamped "Prim. Trav. Sta. No. 152, 1918 Mac.;" azimuth to Methodist Church spire, 128°01' 15".....	33 13 50.3	82 35 36.7	841
Second-class road crossing.....	33 13 07.9	82 34 45.1	6,127
Creek crossing.....	33 12 47.5	82 34 29.3	2,464
Public-road crossing under railroad, about center of trestle.....	33 12 06.6	82 33 40.5	5,850
Second-class road crossing.....	33 11 54.2	82 33 13.5	2,610
Road crossing.....	33 11 36.8	82 32 44.3	3,045
Road crossing.....	33 11 27.4	82 32 16.2	2,564
Avera station, on Augusta Southern R. R., about 100 feet west of road crossing.....	33 11 37.8	82 31 40.0	3,252

Magnetic declination for quadrangle, 1° 21' E.

Northeast along Augusta Southern R. R. (By E. L. McNair in 1918.)

Second-class road crossing.....	33 09 02.5	82 44 42.4	.....
Chalker station, road crossing.....	33 09 40.8	82 44 07.5	4,872
Bridge over Ogeechee River: center of truss.....	33 10 23.1	82 44 06.6	4,279
Agricola station; public-road crossing.....	33 11 40.8	82 43 15.9	8,956
Public-road crossing.....	33 12 34.1	82 42 54.6	5,688
Mitchell station; public-road crossing.....	33 13 10.8	82 42 13.4	5,096
Mitchell station, 675 feet northwest of, 15 feet southwest of center of track, opposite switch stand, set nearly flush with surface; iron post stamped "Prim. Trav. Sta. No. 150, 1918 Mac.;" azimuth to Methodist Church spire, 69° 59' 30".....	33 13 16.4	82 42 09.2	675
Public-road crossing.....	33 13 35.9	82 41 53.0	2,400
Second-class road crossing.....	33 13 58.8	82 41 22.1	3,494
Long trestle, north end of.....	33 14 44.2	82 40 39.9	5,822

Magnetic declination for quadrangle, 1° 20' E.

## AGRICOLA QUADRANGLE—Continued.

From Warthen to Fenn's Bridge. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	33 05 15.6	82 44 15.5	.....
Second-class T road north.....	33 05 05.9	82 42 58.8	6,597
Second-class road north.....	33 04 40.2	82 41 36.3	7,492
Forks of road near Downs Church, 55 feet west from milestone 8.....	33 04 05.3	82 40 33.2	6,428
Second-class road south.....	33 03 53.0	82 39 56.6	3,355
Second-class road north.....	33 03 48.7	82 39 13.4	3,705
Forks of road south.....	33 03 17.2	82 38 20.3	5,529
Forks of road.....	33 02 44.7	82 37 01.8	7,454
T road N. 56° W.....	33 02 30.0	82 36 31.0	3,013
Davisboro, about 5 miles north of, on road to Gibson, about 300 feet north of crossing of Ogeechee River, 15 feet southeast of center of road, 220 feet from north end of bridge; iron post stamped "Prim. Trav. Sta. No. 151, 1918 Mac.".....	33 02 43.0	82 36 13.0	2,022

## From Fenn's Bridge to Gibson.

Second-class T road east.....	33 04 35.6	82 34 54.9	13,185
Grange, crossroads at.....	33 04 54.4	82 34 44.2	2,110
Second-class road southwest.....	33 05 04.6	82 35 39.7	4,832
Second-class road northeasterly through gate.....	33 05 52.9	82 36 02.0	5,239
Settlement road westerly.....	33 06 11.8	82 36 10.9	2,054
Settlement road west through gate.....	33 06 47.8	82 36 32.8	4,083
Jefferson-Glasscock county line, 330 feet south of settlement road east; center of road.....	33 07 25.4	82 36 44.8	3,936
Forks of road.....	33 07 57.2	82 37 50.2	3,251
T road east.....	33 08 31.7	82 37 11.4	3,918
Forks of road.....	33 09 41.7	82 37 36.0	7,378
Do.....	33 10 06.5	82 36 51.8	4,528
Joe's Creek, center of crossing at.....	33 11 03.0	82 36 47.0	5,721
Forks of road, 85 feet north of road west.....	33 12 00.0	82 36 29.9	5,947
Forks of road.....	33 12 56.3	82 36 10.8	5,913
Second-class road west.....	33 13 19.8	82 35 59.6	2,509
Gibson, public street crossing Augusta Southern R. R.; iron post stamped "Prim. Trav. Sta. No. 152, 1918, Mac.".....	33 13 51.7	82 35 46.5	3,412
Creek crossing.....	33 14 23.0	82 44 17.2	.....
Mitchell station, "Prim. Trav. Sta. No. 150, 1918, Mac." (previously described).....	33 13 16.4	82 42 09.2	12,795

Magnetic declination near east edge of quadrangle, 1° 13' E.

## ALAPAHA QUADRANGLE.

From center of east border of quadrangle southwest along Georgia &amp; Florida Ry. to Willacoochee. (Part of unchecked spur line. By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	31 22 06.9	83 00 19.0	.....
Road crossing at sawmill.....	31 21 34.4	83 00 44.5	3,966
Towanda, road crossing at.....	31 21 18.8	83 01 10.1	2,720
Center of trestle.....	31 20 44.0	83 02 07.3	6,080
Road crossing.....	31 20 37.0	83 02 18.6	1,200
Willacoochee, crossing of Atlantic Coast Line and Georgia & Florida railroads.....	31 20 19.4	83 02 29.3	2,008
Willacoochee (U. S. C. & G. S. b. m. A 7) (No description or position determined for this bench mark by U. S. C. & G. S.).....	31 20 22.8	83 02 38.8	390

## ALTAMAHA QUADRANGLE.

Southwest along highways. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Tyson's crossroads.....	31 56 19.8	82 01 15.1	.....
Crossroads.....	31 55 18.2	82 02 06.3	7, 629
Do.....	31 54 39.8	82 02 48.6	5, 324
Road fork.....	31 54 16.0	82 03 21.8	3, 736
Do.....	31 53 45.9	82 03 52.2	4, 015
Center of bridge.....	31 53 22.8	82 04 09.1	2, 757
Road fork.....	31 53 06.8	82 04 39.9	3, 106
Center of bridge.....	31 52 16.7	82 05 52.7	8, 067
Stafford's Ferry over Altamaha River, on north bank, 100 feet east of ferry landing, iron post stamped "Prim. Trav. Sta. No. 33, J 1918"; azimuth to nail in blaze on water oak, 4 feet above ground, distant 195.5 feet, 147° 38' 15".....	31 51 40.2	82 06 01.0	3, 759
Road forks, 1,000 feet west of house.....	31 50 45.2	82 07 06.0	7, 892
T lane south west on Carter farm.....	31 50 04.4	82 05 21.1	9, 948
Five Mile Creek; north end of bridge over.....	31 49 32.1	82 04 53.6	4, 030
Second-class fork at corner of fence.....	31 49 03.0	82 04 47.7	2, 987
Crossroads, 400 feet south of cabin, 0.25 mile northeast of sawmill.....	31 48 19.0	82 04 44.2	4, 452
Forks of road at graveyard west of creek.....	31 48 03.4	82 05 53.3	6, 162
Forks of road at mail box east of sawmill.....	31 47 55.2	82 06 18.7	2, 343
Forks of road 80 feet east of store.....	31 47 36.6	82 06 39.3	2, 594
T road south at house.....	31 47 28.8	82 07 02.3	2, 128
Crossroads at still.....	31 47 22.0	82 07 36.5	3, 035
Road fork north, at southeast corner of field, milepost 14.....	31 47 27.6	82 08 08.3	2, 805
Surrency, 5 miles north of, at west end of lane and T road east, on west side of north-south road, 50 feet southwest of house, 400 feet north of cemetery, at five mail boxes; iron post (not stamped) Prim. Trav. Sta. No. 38, 1918 H.....	31 47 24.7	82 09 22.8	6, 437
Fork south, 600 feet southwest of house.....	31 47 18.9	82 10 23.4	5, 262
Crossroads.....	31 47 25.1	82 10 43.0	1, 797
Do.....	31 47 29.0	82 12 06.4	7, 210
Road fork just east of creek.....	31 47 44.8	82 13 31.2	7, 490
Road fork north at southeast corner of field, 200 feet east of milepost 8.....	31 47 36.6	82 13 45.4	1, 485
Road fork south at house.....	31 47 10.2	82 14 14.8	3, 677

Magnetic declination southwest along highways, 1° 03' E.

Northeast along highways near west border of quadrangle.

Elliott, 1.3 miles northeast of, in southeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 41, 1918 H"; azimuth to north gable of red-roofed house 1,000 feet southeast, 328° 06'.....	31 52 08.3	82 14 25.5	.....
Fork west to house.....	31 52 29.6	82 14 10.7	2, 504
Road opposite gray church.....	31 52 33.8	82 13 29.6	3, 562
Crossroads.....	31 52 44.3	82 12 50.0	3, 580
Do.....	31 53 10.2	82 11 21.4	8, 074
Tillman Ferry, 1 mile south of, near fork in road; milepost.....	31 53 21.4	82 10 35.6	4, 106
Tillman Ferry, well at south landing.....	31 54 06.7	82 10 12.8	4, 983
Old sawmill site, 300 feet east of, on west side of road, oak is 10 feet northwest, blazed gum is 15 feet south.....	31 54 40.6	82 10 52.6	4, 840
Altamaha, 0.25 mile west of, at fork to Tillman Ferry, in stump at south side of river road; copper nail; reference mark, nail in blazed pine 15 feet southeast.....	31 56 23.6	82 10 49.9	10, 410
Altamaha, 300 feet northwest of; road fork.....	31 56 20.4	82 10 41.9	761
Road fork 500 feet west of house.....	31 57 13.1	82 10 15.7	5, 790
Road fork 150 feet northeast of house.....	31 58 00.5	82 10 29.1	4, 921
Four corners 200 feet west of house.....	31 58 10.9	82 11 01.2	2, 961
Road fork 200 feet northeast of painted house.....	31 58 47.7	82 11 08.2	3, 769
Road fork at house.....	31 58 54.8	82 11 18.4	1, 136
Road opposite church.....	31 59 30.8	82 11 29.9	3, 765

Magnetic declination near west border of quadrangle, 1° 05' E.



## AONTA QUADRANGLE.

Along highways near east border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
T road south.....	33 44 50.2	82 31 11.0	.....
Three corners at store.....	33 44 33.3	82 32 14.3	5,607
Lincoln triangulation station of U. S. C. & G. S., about 1 mile from county line, in Samuel's militia district No. 184. On highest part of mountain known both as Lincoln and Grave Mountain, heavily wooded, and line had to be opened to station. Best path up mountain is from south end, around solid rocky cliffs 50 to 60 feet high, about 200 meters south of station. C. B. Ross, manager of property, lives 1.25 miles from station. Station mark: Drilled in solid rock on highest part of mountain, 1 inch in diameter 6 inches deep, with triangle cut around it. For reference marks similar holes are made in three large boulders at the following distances: Signal station 0° 00' 41" hole number 1, 19.683 m. from station; number 2, 8.420 m. 276° 41' 30"; number 3, 12.685 m., 350° 35' 10".....			
Second-class road south to house.....	33 44 23.45	82 31 38.66	.....
Road forks 40 feet west of bridge.....	33 43 17.6	82 30 46.7	.....
Road forks near schoolhouse.....	33 43 05.6	82 30 16.6	2,820
Road forks near schoolhouse.....	33 32 46.6	82 30 32.2	.....
Crossroads.....	33 32 24.8	82 30 36.1	2,212
Do.....	33 31 09.2	82 30 11.7	7,822
T road west.....	33 30 35.4	82 30 06.1	3,457

Magnetic declination for east border of quadrangle, 0° 45' E.

## APPLING QUADRANGLE.

Along highways in southeast corner of quadrangle. (By B. H. Yoakum in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Little Klockee Creek, center of bridge over.....	33 31 32.8	82 15 11.2	.....
Appling, 2 miles east of, intersection of Augusta-Appling road and Louisville-Appling road.....	33 31 48.0	82 17 05.7	9,815
T road west.....	33 30 16.6	82 16 53.0	9,298

Along highways near east border of quadrangle.

Road forks at mail box 78.....	33 32 36.7	82 16 32.7	.....
Road forks at mail boxes 74 and 75.....	33 32 50.6	82 15 45.5	4,235
Lamkin Grove Church, T road west.....	33 34 03.0	82 15 06.3	8,033
Old Delph post office, 800 feet west of; T road south.....	33 34 22.2	82 15 01.7	1,985
Carrie Tramwell's store, crossroads at.....	33 38 45.7	82 15 15.5	.....
T road west at angle in main road.....	33 39 23.2	82 15 38.6	4,270
Road forks.....	33 40 41.3	82 15 47.9	7,931
Lockhart Ferry over Little River, at east landing of; anchor iron in center of road.....	33 41 11.4	82 16 02.2	3,276
Center of road opposite residence at summit of ridge.....	33 42 20.7	82 16 10.2	7,037
Kilkrase Ferry, 2 miles west of; T road east.....	33 43 15.6	82 17 15.6	7,828
Road fork northwest, 55 feet east of another road fork.....	33 43 28.1	82 16 20.0	4,858
Kilkrase Ferry, 0.9 mile west of, at sharp bend in road, 150 feet northwest of well on south side of road, 15 feet north of center of main road, in angle between main road and second-class road forks; iron post stamped "Prim. Trav. Sta. No. 24, 1918 Y".....	33 43 39.6	82 15 17.7	5,393
Camp-meeting ground three corners, 5 miles northwest of.....	33 30 32.2	82 24 06.1	.....

Magnetic declination along east border of quadrangle, 1° 16' E.; along south border of quadrangle, 1° 12' E.

Along highways near north border of quadrangle. (By G. T. Hawkins in 1918.)

Entrance to white house on southwest side of road.....	33 43 43.2	82 17 57.0	.....
Crossroads.....	33 44 13.6	82 18 38.5	4,664

## APPLING QUADRANGLE—Continued.

Along highways near west border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Bridge.....	33 43 12.0	82 29 26.6	.....
Crossroads.....	33 43 09.2	82 29 00.7	2,200
Loco, 0.3 mile south of; crossroads.....	33 43 00.0	82 28 49.1	1,357
Crossroads.....	33 42 11.9	82 29 06.8	5,087
Lodge Creek, bridge over.....	33 41 30.9	82 28 56.9	4,233
Amity, crossroads at (tie point Bulletin No. 245, p. 27).....	33 40 32.7	82 29 24.1	6,310
Crossroads at top of hill.....	33 40 00.2	82 29 31.0	3,310
Second-class road forks at house.....	33 38 53.3	82 28 44.3	7,835
Center of steel bridge, new approach.....	33 38 38.2	82 28 37.9	1,625
Amity, 3.5 miles south of, 50 feet north of road forks, on east side of north and south road; iron post stamped "Prim. Trav. Sta. 36, 1918 H".....	33 37 45.6	82 28 30.0	5,363
Rayville, 0.25 mile south of; road forks.....	33 37 17.8	82 28 50.4	3,302
Crossroads.....	33 36 36.5	82 29 16.2	4,708
Bridge.....	33 35 16.0	82 29 51.9	8,634
Crossroads at old house.....	33 33 54.5	82 29 40.7	8,235
Road forks.....	33 33 29.1	82 29 47.1	2,633

Along highways through center of quadrangle.

Bridge.....	33 37 38.4	82 28 13.6	.....
T road south.....	33 37 06.8	82 26 52.5	7,565
Crossroads.....	33 36 24.9	82 25 48.4	6,881
T road south.....	33 35 50.2	82 25 05.7	5,043
Road forks.....	33 35 51.4	82 24 33.4	2,740
Winfield, T road north at.....	33 36 21.5	82 23 49.7	4,785
Winfield, 0.5 mile east of; road forks.....	33 36 16.0	82 23 17.8	2,763
Old Clusee post office, 60 feet northwest of, at crossroads, 15 feet north of east and west road, 15 feet west of north and south road; iron post stamped "Prim. Trav. Sta. No. 37, 1918 H".....	33 36 42.8	82 21 24.1	9,932
T road south.....	33 36 36.1	82 20 44.0	3,456
Phinizy, crossroads at.....	33 36 38.4	82 19 37.3	5,665
Negro house on north side of road, entrance to.....	33 37 06.0	82 17 43.1	10,055
Old Hazen post office, crossroads at.....	33 37 15.1	82 16 30.3	6,221
Road forks near old house.....	33 37 05.5	82 15 11.4	6,749

Magnetic declination for north border of quadrangle, 0° 40' E.; for west border of quadrangle, 0° 45' E.; through center of quadrangle, 1° 00' E.

## AUGUSTA QUADRANGLE.

Along Charleston &amp; Western Carolina R. R. from Augusta southeast. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Augusta, road crossing, in Charleston & Western Carolina Ry. yard.....	33 27 21.9	81 57 15.5	.....
Road crossing.....	33 27 00.3	81 56 16.1	5,483
Crossing of levee.....	33 26 41.4	81 55 27.9	4,514
Savannah River bridge, center of swing span.....	33 26 07.1	81 54 52.1	4,605

On Savannah River. (By B. H. Yoakum in 1918.)

Augusta, on first stone pier from Georgia side of the Southern R. Y. bridge; bench mark No. 1 of the U. S. Corps of Engineers.....	33 28 36.5	81 57 35.9	.....
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## AUGUSTA QUADRANGLE—Continued.

Along Georgia &amp; Florida Ry. from Augusta southwest. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
Augusta post office triangulation station of the U. S. C. & G. S., tower of Augusta post office; center of iron staff. Tower is on northeast corner, is of brick, and has a spiral iron staircase in the center; iron staff is in flag pole, which was cut off 8 feet above concrete floor; an eccentric station was made outside of the iron house and back from the pole; eccentric station is 1.701 meters distant from center of pole.....	° ' "	° ' "	Feet.
Augusta; intersection of Greene and Center streets.....	33 28 25.52	81 58 08.0	.....
Augusta; crossing of Gwynette Streets.....	33 28 19.1	81 57 45.7	1,995
Augusta Belt Line R. R., crossing of.....	33 27 41.7	81 58 06.6	4,181
Road crossing, 20 feet southwest to post marked "A 2.5".....	33 28 59.5	81 59 09.4	6,815
	33 28 14.3	81 59 48.5	5,044

## Along Central of Georgia Ry. from Augusta to McBean.

Milepost 131, railroad track opposite.....	33 27 23.6	81 58 34.5	.....
Belt Line R. R., crossing of.....	33 26 48.1	81 58 57.5	4,082
Milepost 129, road crossing at.....	33 25 51.4	81 59 28.0	6,280
Milepost 128, railroad track opposite.....	33 25 01.2	81 59 47.6	5,333
Milepost 127, second-class road crossing at.....	33 24 08.7	81 59 43.0	5,324
Westover station, road crossing at.....	33 23 40.1	81 59 26.6	3,205
Top of hill, road crossing at; 30 feet southeast to crossing sign.....	33 22 50.8	81 58 56.6	5,600
Railroad station (no name), railroad crossing at.....	33 22 21.2	81 58 38.7	3,350
Milepost 124, second-class road crossing 400 feet north of.....	33 21 52.5	81 58 21.3	3,260
Milepost 123, railroad track opposite.....	33 21 02.4	81 57 50.9	5,680
Allen station, 70 feet north of, 10 feet west of west rail, opposite switch stand at south end of siding; iron post stamped "Prim. Trav. Sta. No. 3, 1918 H"; azimuth to point 2,700 feet southeast on west rail, 332° 45' 33".....	33 20 12.0	81 57 20.4	5,710
Private road crossing 230 feet south of milepost 121.....	33 19 26.8	81 58 52.9	5,131
Milepost 120, railroad track opposite.....	33 18 47.6	81 56 16.3	5,041
Tahoma station, road crossing at.....	33 18 33.3	81 55 35.9	3,722
Milepost 118, railroad track opposite.....	33 17 43.2	81 54 46.7	6,571
Milepost 117, railroad track opposite.....	33 17 01.3	81 54 11.0	5,208
Overhead road crossing.....	33 15 54.7	81 53 37.3	7,314
Milepost 115, railroad track opposite.....	33 15 43.6	81 54 04.7	2,581
Milepost 114, railroad track opposite.....	33 15 35.1	81 55 05.8	5,250
Milepost 113, railroad track opposite.....	33 15 17.5	81 56 05.0	5,330

## Along Georgia R. R. from Augusta westward.

Milepost 1, railroad track opposite.....	33 28 08.3	81 58 56.2	.....
Road crossing at bend in road to Camp Hancock.....	33 27 54.5	81 59 32.8	3,400

## BAXLEY QUADRANGLE.

Northwest along Northern Branch of Atlanta, Birmingham &amp; Atlantic R. R. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Coffee, road crossing.....	31 30 26.1	82 18 41.2	.....
Road crossing.....	31 30 36.9	82 19 24.0	3,871
Do.....	31 30 52.0	82 20 39.6	6,716
Do.....	31 31 38.4	82 21 08.7	5,327
New Lacy, road crossing.....	31 32 41.8	82 22 16.0	8,664
Road crossing.....	31 32 44.8	82 22 50.8	3,020
Do.....	31 32 50.8	82 24 00.8	6,090
Rockingham, road crossing.....	31 32 51.2	82 24 56.2	4,792
Road crossing.....	31 32 52.7	82 25 30.1	2,940
Do.....	31 32 48.0	82 26 23.5	4,641
Trestle, east end of.....	31 32 34.0	82 26 53.9	2,990
Road crossing.....	31 32 26.6	82 27 20.7	2,425
Alma, 300 feet west of station, 30 feet south of track; iron post stamped "Prim. Trav. Sta. No. 19".....	31 32 33.4	82 28 09.3	4,265
Milepost 75, opposite.....	31 32 47.2	82 29 41.2	8,077

## BLACK LAKE QUADRANGLE.

Along railroad and highways near west border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Mount Pleasant Church, 150 feet south of, in northwest corner of crossroads; oak tree.....	32 58 57.4	83 14 48.4	.....
Stream crossing.....	32 56 38.5	83 14 45.0	.....
H. H. Huffs R. F. D. box, center of road forks opposite.....	32 50 10.4	83 14 34.7	.....
Branch crossing road.....	32 49 03.8	83 14 39.8	6,749
Crossroads, center of.....	32 48 15.4	83 13 12.7	8,903

## Along highways and railroad in south part of quadrangle.

Branch crossing road.....	32 48 28.2	83 11 44.4	7,642
Road forks, center of road at.....	32 48 42.7	83 11 06.7	.....
Irwinton, northeast of court house, center of crossroads.....	32 48 39.1	83 10 25.3	3,551
Irwinton railroad, at intersection with the Irwinton-Toomsboro public road.....	32 48 48.8	83 10 10.6	1,587
Oscar Walters R. F. D. box, in triangle at road forks south.....	32 48 32.9	83 08 25.6	9,107
Road forks, intersection of Toomsboro and Balls Ferry roads.....	32 48 34.7	83 07 06.1	6,785
Road forks, center of small triangle at road north.....	32 47 53.5	83 05 55.4	7,331
Road forks, farm road south.....	32 47 19.3	83 05 40.1	3,695
In triangle at road forks, 35 feet southeast of 15-inch pine tree; iron post stamped "Prim. Trav. Sta. No. 4, 1916".....	32 46 27.9	83 04 57.5	6,340
I. C. Stubbs's R. F. D. box at road forks, center of road opposite.....	32 46 54.3	83 04 16.8	4,382
Ham Creek, center of wagon bridge over.....	32 48 19.9	83 04 43.2	8,940
Toomsboro, Mill Street crossing of Central of Georgia Ry.....	32 49 35.7	83 04 48.0	7,665
Central of Georgia Ry., opposite mile post 153; center of track.....	32 49 14.7	83 03 15.4	8,184
Central of Georgia Ry., opposite mile post 152; center of track.....	32 49 23.4	83 02 14.4	5,277
Beech Hill station, 20 feet west of, center of track at road crossing.....	32 49 14.4	83 00 36.3	8,424

## Along highways near south border of quadrangle.

Wagon bridge over branch, center of.....	32 47 56.8	83 14 29.0	.....
Bethel Church, three corners northwest of, 15 feet west to three mail boxes in triangle.....	32 46 20.8	83 14 25.4	.....
Bethel Church, 0.5 mile southeast of, at T road northeast, 20 feet north and 25 feet west of center of triangle; iron post stamped "Prim. Trav. Sta. No. 17, 1916".....	32 45 57.1	83 13 49.4	3,891
Gate at private road leading to house.....	32 46 19.2	83 12 25.2	7,526
Three corners, at public T road north, 10 feet northeast to center of of triangle.....	32 46 11.0	83 11 41.1	3,859
Big Sandy Creek, at Thompson's Bridge; center of bridge.....	32 46 34.1	83 10 53.5	4,681
T road west, at west edge of Irwinton-Dublin road; large oak tree.....	32 46 21.7	83 10 08.6	4,032
Big Sandy Creek, 900 feet south of bridge over; forks of road, 30 feet west to oak tree, 70 feet north to old railroad track.....	32 45 50.1	83 10 04.2	3,216
Small stream.....	32 45 10.6	83 09 44.9	4,321
Big Sandy Creek, about 0.75 mile northeast of the "Outlaw Bridge" over, 25 feet north to mail box, 20 feet southwest to three-pronged water oak; four corners.....	32 45 18.9	83 06 55.3	3,917
Schoolhouse, 120 feet southwest of, on west edge of Irwinton road, 60 feet north of intersection with road northeast to Toomsboro; live-oak tree.....	32 45 41.8	83 05 57.5	5,452
Center of main road at public T road northwest, 20 feet northwest to center of triangle.....	32 46 18.9	83 05 10.1	5,521

## Along highways near east border of quadrangle.

C. W. Kines's R. F. D. box, at road forks; center of road opposite.....	32 55 36.8	83 00 34.2	.....
Floyd Turner's R. F. D. box, at road forks.....	32 56 13.0	83 01 24.8	5,660
Poplar Spring Church, 50 feet due south of center of, 30 feet due west of 24-inch oak tree; iron post stamped "Prim. Trav. Sta. No. 6, 1916".....	32 58 11.5	83 00 26.1	12,984
Road forks, center of, at farm road west.....	32 59 20.6	83 00 23.4	6,986

**BLACK LAKE QUADRANGLE—Continued.**

Along highways in north part of quadrangle (checked spur line).

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks south.....	32 58 22.8	83 01 14.0	.....
Bluff Creek, center of iron bridge over.....	32 58 28.2	83 01 45.2	2,711
Charles Fowler's store, intersection of roads at.....	32 58 39.2	83 02 31.5	4,101
Gum Creek, center of bridge over.....	32 58 49.5	83 03 08.4	3,308
Cross roads, 0.6 mile northwest of Gum Creek bridge.....	32 59 09.1	83 03 39.8	3,327
Ben Travick's farm, at end of lane, 60 feet from east bank of Oconee River, 40 feet north of twin sweet-gum tree, 20 feet east of china-berry tree; iron post stamped "Prim. Trav. Sta. No. 7, 1916".....	32 57 13.9	83 04 46.8	12,964

## Along highways near south border of quadrangle.

Road forks, road north.....	32 46 39.5	83 03 02.2	.....
Road forks, road south, 5 mail boxes on wheel just east of fork.....	32 46 19.6	83 02 37.4	2,929
Road forks, road south.....	32 46 12.4	83 01 44.0	4,624
Four corners.....	32 46 10.8	83 01 16.0	2,398
Road fork, 155 feet west of; iron post stamped "Prim. Trav. Sta. No. 9, 1916".....	32 46 16.5	83 00 33.8	3,654

## Along highways through center of quadrangle.

Commissioner Creek, center of steel truss bridge over.....	32 49 52.4	83 04 47.1	.....
Road forks, road southeast.....	32 50 15.8	83 04 10.8	3,901
Road forks, road southwest.....	32 51 43.2	83 05 06.3	10,014
Road forks, road north.....	32 52 33.9	83 05 52.6	6,469
In east corner of intersection of Toombsboro and River roads; iron post stamped "Prim. Trav. Sta. No. 8, 1916".....	32 52 13.8	83 06 44.8	4,901
Road forks, road northwest.....	32 53 45.9	83 07 47.2	10,715
Stubbs's store, 200 feet east of T road north.....	32 54 06.8	83 07 15.6	3,421
Hayes Creek, center of.....	32 55 27.4	83 07 53.5	8,764
Ennis Pond, center of main bridge over outlet of; north end.....	32 56 27.3	83 09 20.2	9,549
Road forks, road west.....	32 57 49.7	83 10 20.4	9,777
Black Creek, 400 feet north of bridge over, at second-class T road east, in center of triangle; iron post stamped "Elev. 253, 1916".....	32 58 19.0	83 10 28.8	3,040
Private road east.....	32 59 23.6	83 11 05.4	7,235
Four corners.....	32 58 29.0	83 12 55.1	10,850
Road forks, roads north and west.....	32 58 44.8	83 13 55.2	5,359

Magnetic declination for north, east, and south borders of quadrangle, 1° 20' E.; for west border of quadrangle, 1° 30' E.; through center of quadrangle, 1° 20' E.

**BLADEN QUADRANGLE.**

From Brunswick northwest along Southern Ry. to Southern Junction. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Brunswick, Dent's shipyard; road crossing.....	31 09 44.2	81 30 01.2	.....
Greenwood cemetery, road crossing; center of track.....	31 10 12.4	81 30 11.5	2,990
Dixie highway crossing; center of track.....	31 10 27.3	81 30 15.0	1,529
Road crossing; center of track.....	31 10 55.8	81 30 15.3	2,883
Dick Junction, 400 feet north of Dixie highway crossing.....	31 12 04.1	81 30 23.3	6,933
Center of trestle.....	31 12 59.6	81 30 43.6	5,879
Southern Junction, 20 feet east of track, 100 feet north of station; iron post stamped "Prim. Trav. Sta. No. 1. Elev. 24".....	31 13 39.0	81 30 57.7	4,420
Southern Junction, crossing of Atlanta, Birmingham & Atlantic R. R. and Southern Railway.....	31 13 42.6	81 30 59.3	396
Center of small trestle.....	31 14 30.2	81 31 24.7	5,289

## BLADEN QUADRANGLE—Continued.

Along Atlanta, Birmingham &amp; Atlantic R. R. near Southern Junction.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Center of trestle.....	31 14 18.0	81 31 34.4	.....
Road crossing.....	31 14 35.0	81 31 58.3	2,695

From Bladen south along Seaboard Air Line Ry. to White Oak.

Bladen, crossing of Seaboard Air Line and Atlantic Coast Line railroads.....	31 14 40.6	81 42 08.3	.....
Bladen, 450 feet south of station, 50 feet west of road crossing, 529 feet south and 164 feet west of crossing of Seaboard Air Line and Atlantic Coast Line is 16 feet west of stock pen; bench mark post stamped "16".....	31 14 35.3	81 42 10.2	.....
South end of trestle.....	31 13 41.1	81 42 23.0	.....
Road crossing.....	31 12 47.8	81 42 36.3	5,510
Do.....	31 11 55.0	81 42 49.4	5,450
South end of trestle.....	31 11 23.7	81 42 57.1	3,230
Road crossing.....	31 10 17.2	81 43 13.6	6,870
Station 1310.....	31 10 13.3	81 43 14.5	400
Road crossing.....	31 09 43.3	81 43 22.0	3,100
Old railroad crossing.....	31 09 07.2	81 43 26.2	3,671
Glencoe road crossing.....	31 08 07.8	81 43 29.6	6,000
South end of trestle.....	31 07 05.4	81 43 33.2	6,320
Point of switch.....	31 06 18.9	81 43 35.9	4,700
Waverly, road crossing, junction of line to Tharin and line west..	31 05 49.7	81 43 37.5	2,954
Waverly, 70 feet west of station, 25 feet north of road, 4 feet south- west of fence corner; bench mark post stamped "20-1917".....	31 05 41.7	81 43 39.1	.....
Point of spur.....	31 04 49.4	81 43 41.0	.....
Road crossing.....	31 04 21.0	81 43 42.6	2,870
Center of small trestle.....	31 03 19.4	81 43 46.2	6,230
Road crossing.....	31 02 38.5	81 43 48.5	4,140
White Oak, road crossing at junction of line to Burnt Fort.....	31 01 54.8	81 43 51.1	4,418
White Oak, 0.7 mile southwest of, at road forks.....	31 01 47.8	81 44 30.5	3,504

From Waverly southeast along highway to Tharin Dover Bluff. (Spur line unchecked, positions unreliable.)

Road forks.....	31 05 48.3	81 43 25.7	.....
Do.....	31 05 19.2	81 42 54.7	3,992
Do.....	31 04 47.9	81 42 09.4	5,053
Crossroads.....	31 04 32.0	81 41 34.6	3,425
Do.....	31 04 15.1	81 40 55.6	3,793
Road forks at three mail boxes.....	31 03 53.8	81 39 53.3	5,828
Road forks at four mail boxes.....	31 03 38.2	81 39 05.7	4,432
Road forks.....	31 03 26.4	81 38 28.7	3,434
Crossroads.....	31 03 20.4	81 38 04.9	2,150
Do.....	31 03 24.1	81 36 54.7	6,121
Road at house.....	31 02 54.2	81 36 39.5	3,300
Road fork.....	31 02 34.5	81 36 34.7	2,028
Artesian well.....	31 02 08.2	81 35 46.5	4,962
Road forks.....	31 01 56.8	81 35 15.9	2,900
Do.....	31 01 52.5	81 34 55.8	1,798
Road forks at road through gate.....	31 01 33.0	81 34 34.0	2,740
Road forks.....	31 01 13.8	81 34 14.3	2,587
Do.....	31 01 20.7	81 33 20.7	4,741
Do.....	31 01 32.9	81 32 49.9	2,951
Do.....	31 01 42.8	81 32 14.5	3,241
Do.....	31 01 32.6	81 31 49.5	2,407
Dover Bluff, at south end of, 7 mail boxes; iron post stamped "Prim. Trav. Sta. No. 10, 1917".....	31 01 05.8	81 31 42.1	2,783

Near Bladen on Atlantic Coast Line R. R.

Bladen, 1.2 miles west of; road crossing.....	31 14 29.1	81 43 28.8	.....
West abutment of trestle.....	31 14 21.2	81 44 24.0	.....

## BLADEN QUADRANGLE—Continued.

From Seaboard Air Line Ry. east along highways through center of quadrangle. (Unchecked spur line, positions unreliable.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks.....	31 10 15.6	81 42 30.8	.....
Road south.....	31 09 55.5	81 41 41.0	4,778
Road forks.....	31 09 40.8	81 40 51.8	4,528
Crossroads.....	31 09 15.9	81 40 02.7	4,952
Road forks.....	31 08 49.3	81 39 21.2	4,496
Crossroads.....	31 08 36.8	81 38 57.0	2,450
Center of bridge.....	31 08 12.8	81 38 01.3	5,419
Springhill Church, 60 feet southwest of, 30 feet northeast of center of road forks; bench-mark post stamped "29—1917".....	31 08 00.4	81 37 26.7	3,252
Center of bridge.....	31 08 03.9	81 36 01.6	7,406
Fancy Bluff, 2 miles west of, 60 feet southeast of road fork, bench-mark post stamped "18—1917".....	31 08 25.9	81 35 17.1	4,467
Road fork.....	31 08 27.8	81 34 20.6	4,920
Do.....	31 08 22.1	81 33 55.4	2,264
Fancy Bluff, at water's edge; center of pier.....	31 08 15.2	81 33 21.5	3,024

## BOULOGNE QUADRANGLE.

Along highways in north part of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks, road southwest to Newell, road southeast to Burnt Fort.....	30 58 46.3	81 57 18.9	.....
Road forks, road southwest to Newell.....	30 58 20.0	81 56 54.6	3,398
Road forks, 15 feet west of point of angle.....	30 58 03.4	81 56 19.9	3,454
Second-class crossroads.....	30 57 49.2	81 55 50.2	2,954
Road forks, 70 feet west of angle in wire fence.....	30 57 03.6	81 51 42.0	7,517
Burnt Fort, on west side of Satilla River, 260 feet northwest of ferry landing, 4 feet south of wire fence, in open ground; iron post stamped "Prim. Trav. Sta. No. 36, 1917 Mac".....	30 56 49.0	81 53 59.3	3,997
Burnt Fort, on east side of Satilla River at ferry; top of iron pipe extending 4 feet out of ground.....	30 56 45.5	81 53 52.1	725

Along highways in north part of quadrangle. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks through gate in wire fence.....	30 59 59.4	81 48 13.6	.....
Small bridge, center of.....	30 59 41.1	81 48 12.0	1,849
Road forks.....	30 59 11.3	81 49 09.2	3,021
Bridge, center of.....	30 58 38.8	81 48 15.9	3,340
Road forks, White Oak (?), Owen Ferry (?), and Burnt Fort.....	30 58 12.2	81 48 32.2	3,035
Road forks.....	30 58 17.4	81 49 08.6	3,214
Do.....	30 58 27.9	81 50 10.0	5,436
Crossroads.....	30 58 42.0	81 50 45.6	3,415
Road forks, 900 feet east of mid-river.....	30 58 26.4	81 51 54.9	6,231
Crossroads.....	30 58 19.0	81 52 15.0	1,904
Road forks at small stream, west side.....	30 57 55.2	81 52 49.2	3,827
Road forks, 80 feet southwest of L. F. Godley's mail box.....	30 57 04.8	81 53 19.1	5,716
Burnt Fort, 100 feet southeast of B's store, at road fork, 30 feet south of water tank; iron post stamped "Prim. Trav. Sta. No. 9".....	30 56 58.0	81 53 32.6	1,362
End of McNair's line, station 1166.....	30 56 45.5	81 53 52.1	2,120

Magnetic declination near north border of quadrangle, 1.0° E.

## BOULOGNE QUADRANGLE—Continued.

From Folkston east along highways across country to Colesburg. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Folkston, U. S. C. & G. S. bench mark (described in Folkston quadrangle).....	30 49 52.4	82 00 29.3	-----
Road forks.....	30 49 58.3	81 59 49.2	3,550
Angle in road (10.5°).....	30 50 03.9	81 59 23.0	2,349
Cross roads, 650 feet southwest of road forks.....	30 50 26.0	81 58 26.8	5,389
Angle in road (2°).....	30 50 43.3	81 51 42.7	4,220
Intersection of road tangents, about 20 feet north of bend in road.....	30 51 12.2	81 56 21.8	7,629
Angle in road.....	30 51 05.4	81 56 00.4	1,985
Do.....	30 50 56.4	81 55 30.5	2,752
Camden-Charlton county-line crossing, about 640 feet west of gate at private road leading to Lewis Manufacturing Co. gum distillery on St. Marys River: center of road.....	30 50 00.6	81 54 15.2	8,652
Folkston, 7.6 miles east of, at road forks, one road leading to Kingsland and one to Woodbine, 6 feet west of post with sign-board; iron post stamped "Prim. Trav. Sta. No. 50, 1917 Mac.": azimuth of south edge of chimney near center of house, 500 feet distant, 249° 39'.....	30 50 00.2	81 53 35.6	3,455
Angle in road (33°).....	30 51 22.0	81 52 05.9	11,378
Abandoned railroad-bed crossing, 20 feet east of bend 1.0° E. in road, 790 feet west of angle in road.....	30 51 36.0	81 51 19.3	4,303
Second-class T road north.....	30 51 55.8	81 50 43.8	3,677
Silco, about 205 feet south of store: crossroads.....	30 52 03.8	81 49 57.6	4,112
Road forks.....	30 52 46.0	81 48 52.2	7,115
Angle in road, at second-class road west, opposite large corner fence post and fence line.....	30 53 19.0	81 48 42.9	3,430
Second-class crossroads.....	30 54 03.6	81 47 57.2	6,014
Colesburg, 4 miles west of, 100 feet north by 30 feet east of Tompkins' store, at T road corner, road east to Colesburg, 10 feet north of a dim road west: iron post stamped "Prim. Trav. Sta. No. 51, 1917 Mac.".....	30 54 41.5	81 47 34.2	4,329
Angle in road at long straight road east.....	30 54 31.5	81 47 10.0	2,343
Angle in road (43°); point is about 20 feet south of bend.....	30 54 23.3	81 46 08.0	5,460
Small wooden stringer bridge, near 8.5° angle in road.....	30 54 54.2	81 45 15.0	5,570

Magnetic declination through east part of quadrangle, 1.0° E.

Along highways near south border of quadrangle. (By J. B. Leavitt in 1917.)

Church, center of road opposite.....	30 48 41.0	81 45 07.0	-----
Road fork to north, opposite mail boxes marked V. Kennison and P. Cottle, 30 feet west of culvert; center of road.....	30 48 48.1	81 46 12.1	5,719
Temple Church, opposite north front door of, south of gate to cemetery; center of road.....	30 48 32.4	81 47 21.4	6,251
Crossroads, at southeast corner of cornfield.....	30 48 26.2	81 48 10.9	4,364
Crossroads, intersection of Folkston-Kingsland and Kings Ferry-Owen's Ferry roads, 25 feet east of, 30 feet north of pine tree marked with a small cross; point in road.....	30 48 28.7	81 49 53.6	8,963
Greenville Church, 140 feet south of, large pine tree blazed with a cross: nail in root.....	30 48 04.3	81 50 02.8	2,586
Kings Ferry, at landing on Georgia side of river; hub.....	30 47 12.7	81 50 24.1	5,534

Magnetic declination for south border of quadrangle, 0.6° W.



## BROOKLET QUADRANGLE.

Northwest along Savannah &amp; Statesboro Ry. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	32 18 48.9	81 30 36.0	.....
Do.....	32 19 01.3	81 31 20.2	3,990
Do.....	32 19 11.7	81 31 57.0	3,330
Stilson, 100 feet west of station; road crossing.....	32 19 31.7	81 33 08.0	6,420
Road crossing.....	32 19 49.2	81 34 09.3	5,548
Do.....	32 20 11.5	81 35 06.1	5,370
Arcola, 100 feet east of station; road crossing.....	32 20 35.8	81 36 08.0	5,850
Road crossing.....	32 20 48.0	81 36 39.0	2,930
Do.....	32 21 11.5	81 37 38.9	5,660
Tuckers, road crossing at.....	32 21 19.8	81 38 00.1	2,000
Road crossing.....	32 21 53.3	81 39 09.9	6,877
Do.....	32 22 06.8	81 39 20.0	1,620
Brooklet station, 46 feet north of crossing of Savannah & States- boro and Shearwood railroads; iron post stamped "Prim. Trav. Sta. No. 12, J 1918".....	32 22 42.0	81 39 46.0	4,200
Road crossing.....	32 23 23.2	81 40 49.7	6,867
Do.....	32 23 46.5	81 41 34.9	4,530
Grimshaw, road crossing.....	32 23 57.1	81 41 55.5	2,070
Road crossing.....	32 24 25.6	81 42 52.8	5,689
Pretoria, 300 feet west of, road crossing.....	32 24 35.7	81 43 50.0	5,007
Road crossing.....	32 24 56.6	81 44 30.5	4,069

## Southwest and southeast along highways.

North end of trestle bridge.....	32 29 50.2	81 33 10.9	.....
East end of bridge over Ogeechee River.....	32 29 41.5	81 33 17.9	1,064
West end of bridge.....	32 29 41.0	81 33 22.5	394
Road fork.....	32 29 31.9	81 33 49.7	2,510
Do.....	32 28 57.2	81 34 39.8	5,543
Crossroads.....	32 28 49.9	81 35 45.4	5,670
Do.....	32 28 50.6	81 36 05.4	1,711
Intersection of Statesboro and Oliver and River roads, 3 feet north of three mail boxes; iron post stamped "Prim. Trav. Sta. No. 15, 1918 J".....	32 28 19.8	81 36 24.0	3,492
Pauline High School, crossroads at.....	32 27 58.9	81 36 02.7	2,790
Road fork.....	32 27 38.1	81 35 39.2	2,910
Do.....	32 27 23.8	81 35 23.3	1,985
Do.....	32 27 06.3	81 35 03.7	2,440
Do.....	32 26 36.3	81 34 53.7	3,143
Do.....	32 26 27.8	81 34 42.3	1,304
Center of bridge over mill creek.....	32 26 03.7	81 33 40.9	5,797
Crossroads.....	32 25 36.0	81 33 33.5	2,873
Road fork.....	32 24 48.6	81 33 13.8	5,069
Crossing of Midland Ry.....	23 24 23.0	81 32 55.8	3,013
Crossroads.....	32 23 44.7	81 32 47.7	3,939
Do.....	32 23 18.5	81 32 38.9	2,750
Road fork.....	32 22 30.4	81 32 17.8	5,186
Center of creek.....	32 22 18.3	81 32 08.9	1,446
Road fork.....	32 21 58.7	81 31 57.0	2,229
Creek crossing.....	32 21 35.7	81 31 41.7	2,672
Road fork.....	32 21 01.2	81 30 58.1	5,108
Crossroads.....	32 20 51.3	81 30 57.4	1,010
Road fork.....	32 20 41.0	81 31 39.4	3,752
Crossroads.....	32 20 11.8	81 32 04.8	3,669
Stilson, 50 feet north of station, 20 feet north of track, 2 feet east of telegraph pole; iron post stamped "Prim. Trav. Sta. No. 12, 1918 J".....	32 19 31.5	81 33 07.0	6,721
Stilson, 100 feet west of station; road crossing.....	32 19 31.7	81 33 08.0	86

## Southeast along highways in northeast corner of quadrangle.

Road fork.....	32 29 54.1	81 38 13.0	.....
Do.....	32 29 34.4	81 37 43.7	3,210
Crossroads, Statesboro and Halcyondale and River roads.....	32 29 12.0	81 37 18.7	3,116
Crossroads, Prim. Trav. Sta. No. 15 (previously described).....	32 28 19.8	81 36 24.0	7,051

**BROOKLET QUADRANGLE—Continued.**

East near south border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations
	° ' "	° ' "	Feet.
Crossroads.....	32 17 07.2	81 44 37.0	.....
Do.....	32 17 04.0	81 44 19.9	1,504
Crossing of Shearwood Ry.....	32 16 46.3	81 43 53.8	2,871
Crossroads at church and school.....	32 16 26.1	81 43 24.6	3,229
Road fork of Statesboro road.....	32 16 07.4	81 42 49.1	3,591
Road fork.....	32 15 45.3	81 42 17.1	3,531
Do.....	32 15 16.0	81 41 33.3	4,785
Center of bridge over Reed Branch.....	32 15 10.4	81 41 14.3	1,726

Magnetic declination for northwest, southeast, and southwest parts of quadrangle, 0.3° E.

**BROXTON QUADRANGLE.**

From point near southeast corner of quadrangle west along Atlanta, Birmingham &amp; Atlantic Ry. near south border to Douglas, thence northeast along Georgia &amp; Florida Ry. to east border of quadrangle. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	31 30 02.21	82 45 18.8	.....
Do.....	31 30 15.0	82 46 19.0	5,363
Do.....	31 30 21.7	82 46 43.8	2,256
Do.....	31 30 14.2	82 47 59.7	6,610
Do.....	31 30 04.2	82 48 40.0	3,625
Do.....	31 30 04.7	82 49 28.8	4,223
Douglas, crossing of Atlanta, Birmingham & Atlantic and Georgia & Florida railroads.....	31 30 16.1	82 51 09.4	372
Road crossing, at railroad shop.....	31 31 08.7	82 51 14.6	5,333
Junction of railroads.....	31 31 41.2	82 51 12.2	3,289
Road crossing.....	31 31 54.3	82 51 03.1	1,547
Do.....	31 32 30.3	82 50 11.5	5,759
Do.....	31 33 14.0	82 48 54.6	7,996
Do.....	31 33 20.0	82 48 30.3	2,190
Huffer, road crossing at.....	31 33 50.4	82 47 40.5	5,301
Road crossing.....	31 34 28.5	82 46 45.5	6,120
Do.....	31 35 28.6	82 45 18.8	9,650

**BRUNSWICK QUADRANGLE.**

From Brunswick north along Georgia Coast &amp; Piedmont R. R. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Brunswick, southeast base, U. S. Coast and Geodetic Survey triangulation station.....	31 09 28.3	81 29 55.4	.....
Brunswick, water tank, U. S. Coast and Geodetic Survey triangulation station.....	31 08 59.5	81 29 49.3	.....
Road crossing.....	31 09 03.1	81 29 17.3	2,804
Do.....	31 09 36.5	81 29 29.4	3,531
Atlanta, Birmingham & Atlantic Ry. crossing.....	31 09 54.2	81 29 35.4	1,865
Road crossing.....	31 10 22.0	81 29 29.6	2,848
Do.....	31 10 41.7	81 29 24.3	2,041
Do.....	31 11 15.3	81 29 15.4	3,486
Do.....	31 11 42.3	81 29 08.2	2,800
Do.....	31 12 54.3	81 28 49.1	7,458
Do.....	31 13 30.5	81 28 39.5	3,750
Do.....	31 14 34.4	81 28 22.5	6,618

## CAMP HANCOCK.

Along highways. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
About halfway between mileposts 7 and 8, on north side of railroad, 40 feet toward Augusta from road crossing, 200 feet north of new frame house; iron post stamped "Prim. Trav. Sta. No. 13, 1918 H"	33 27 04.96	82 05 07.13	Feet.
Road crossing of railroad; center of track	33 26 39.55	82 05 47.74	4,294
Remount station, electric light pole at entrance; copper nail in hub, marked "U. S. P. T. 7"	33 26 22.36	82 06 15.84	2,950
Belair, 25 feet north and 20 feet west of road crossing; iron post stamped "Elev. 309"	33 26 30.64	82 07 16.61	5,217
Pine tree, 18 inches northwest of, in root; copper nail, "U. S. P. T. 1" painted.	33 26 14.11	82 08 01.88	4,183
Poplar tree, 15 inches west of, in top of oak stake; nail, marked "U. S. P. T. 2"	33 25 52.84	82 08 01.71	2,150
Forks of road, 275 feet north of, east side of road, in oak stub; copper nail, "U. S. P. T. 3" painted on tree.	33 25 31.02	82 08 08.79	2,285
Crossroads, 45 feet southeast of, in root of pine tree, painted "U. S. P. T. 4"; copper nail, pine tree 10 feet east.	33 25 00.19	82 08 09.26	3,113
Crossroads, 15 feet west of; iron post stamped "Elev. 478 B"	33 24 55.14	82 08 26.19	1,523
Edge of woods and field, in root of pine tree; copper nail, marked "U. S. P. T. 5"	33 24 30.97	82 07 51.86	3,799
North wagon track, in root of pine tree close to; copper nail, painted "U. S. P. T. 6"	33 24 15.48	82 07 29.22	2,477
Friendship Church, 0.25 mile northwest of, 45 feet northwest of crossroads; iron post stamped "Elev. 445"	33 23 46.00	82 06 54.65	4,180
North side of road, in root of pine tree; copper nail (levelman's t. b. m.) painted "U. S. B. M. 333"	33 24 14.36	82 06 17.60	4,252
Pine tree, in root of; copper nail (levelman's b. m.) painted "U. S. B. M. 232.3"	33 24 37.72	82 05 34.28	4,365
On bridge, in plank (levelman's b. m.) painted on bridge "211.5"	33 24 50.11	82 05 15.36	2,033
Schoolhouse, in front of, in root of pine tree; copper nail (levelman's b. m.) painted "Elev. 246.7"	33 25 02.06	82 05 01.39	1,698
Church, 35 feet south and 50 feet west of, at road corners; iron post.	33 25 06.26	82 04 50.32	1,025
Pine tree, in root of (levelman's t. b. m.) painted "298.0"	33 25 33.29	82 04 54.76	2,759
Crossroads.	33 26 06.10	82 05 01.66	3,368
Do.	33 26 41.76	82 05 09.91	3,676
Iron post stamped "Prim. Trav. Sta. No. 13, 1918 H" (previously described)	33 27 04.96	82 05 07.13	2,357
Remount station 308, electric light pole at road south, 2.5 feet north of; copper nail in hub, painted "U. S. P. T. 7"	33 26 22.36	82 06 15.84	-----
Crossroad.	33 26 04.25	82 05 43.36	3,306
Road, southwest side of, small scrub oak, in top of stub; copper nail, painted "U. S. P. T. 8"	33 26 01.20	82 05 35.09	764
Crossroad, 30 feet southeast of center of, in base of pine tree; spike (levelman's b. m.) painted "344.6"	33 25 54.47	82 05 12.69	2,016
Crossroads.	33 26 06.10	82 05 01.66	1,502
Pine tree, 2 feet southeast of; copper nail in stake, painted "U. S. P. T. 9"	33 25 40.41	82 05 39.37	-----
Center of bridge across creek	33 25 19.87	82 05 55.53	2,400
On south side of road, in root of hickory tree; copper nail, painted "U. S. P. T. 10"	33 25 18.95	82 06 06.41	1,087
Old Mill Pond, 500 feet east of, 20 feet north of forks of road, at edge of bank; iron post stamped "Elev. 282"	33 25 20.05	82 06 15.21	754
Pine tree, 3 feet northwest of, in root of; copper nail, marked "U. S. P. T. 11"	33 25 16.85	82 06 42.24	2,314
Oak tree on north side of road, 1 foot south of; copper nail in hub, painted "U. S. P. T. 12"	33 25 19.20	82 07 17.72	3,008
Pine tree on southeast side of road, in root of tree; copper nail (levelman's t. b. m.), painted "339.8"	33 25 16.63	82 07 41.59	2,047
U. S. P. T. No. 4 (previously described)	33 25 00.19	82 08 09.26	2,874
U. S. P. T. No. 5 (previously described)	33 24 30.97	82 07 51.86	1,661
Oak tree stub (levelman's t. b. m.), painted "494.1"	33 24 35.30	82 07 32.93	2,162
Leaning pine tree, 20 feet north of road, in root of tree; copper nail, painted "U. S. P. T. 13"	33 24 41.19	82 07 08.41	4,011
Pine tree, south side of road, 4 feet northeast of, in root, copper nail, painted "U. S. P. T. 14"	33 24 55.57	82 06 24.31	-----
Iron post, "Elev. 282" (previously described)	33 25 20.05	82 06 15.21	2,592
Road, 7 feet west of, 18 inches east of pine tree, in root; copper nail, painted "U. S. P. T. 15"	33 25 42.23	82 06 40.10	3,075
Pine tree, 7 feet northwest of, in root; copper nail, painted "U. S. P. T. 16"	33 26 01.60	82 07 06.92	2,999
Belair, iron post (previously described)	33 26 30.56	82 07 16.64	3,045

Magnetic declination, 0° 23' E.

## CAMP HANCOCK—Continued

## Along highways.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
North side of road, 15 feet from center, in top of small stub; copper nail, marked "U. S. P. T. 40".....	33 25 06.73	82 08 52.95	.....
Road, north side of, at base of pine tree; nail, painted "U. S. 472".....	33 25 14.33	82 09 09.36	1,589
Center of road, 5 feet north of, in top of stump of small oak bush, 1 foot south of 12-inch pine tree, painted "U. S. P. T. 41"; copper nail.....	33 25 16.77	82 09 18.44	808
T road fork, north, center of road.....	33 25 19.87	82 09 28.99	948
Center of road, 35 feet south of, at bend of same to north, in root of 18-inch pine tree; copper nail, painted "U. S. P. T. 42".....	33 25 26.87	82 09 52.12	2,084
Dim road fork southward, in drain.....	33 25 32.50	82 10 05.68	1,281
Residence of Hamp Hancock, 10 feet south of road, in root of 10-inch pine tree; spike, painted "U. S. 499".....	33 25 37.22	82 10 32.20	2,298
Intersection of road tangents, at forks of road.....	33 25 37.11	82 10 47.12	1,265
Iron post near race track.....	33 25 48.71	82 11 05.55	1,951
In front of house, in root of triple oak tree; copper nail, painted "U. S. P. T. 43".....	33 25 39.72	82 09 28.56	2,004
Oak tree, small; copper nail in (levelman's t. b. m.), marked "466.2".....	33 25 58.08	82 09 38.55	2,036
Milledgeville road, "U. S. P. T. No. 18".....	33 26 15.35	82 09 33.90	1,787

## Along highways.

Belair, 1.6 miles west of, on south side of road, 15 inches west of telephone pole; hub in ground, pole painted "U. S. P. T. 17".....	33 26 15.45	82 08 53.12	.....
Belair, 1.8 miles west of, south side of road, 5 feet from telephone pole 6373; iron post stamped "Elev. 394".....	33 26 15.17	82 09 05.13	1,017
Belair, 2.3 miles west of, 40 feet north of road, in root of pine tree; copper nail, painted "U. S. P. T. 18".....	33 26 15.35	82 09 33.93	2,440
Belair, 2.8 miles west of, south side of road, 1 foot from telephone pole 6413; nail in hub, pole painted "U. S. P. T. 19".....	33 26 13.53	82 10 05.65	2,695
Belair, 3.3 miles west of, northwest side of road, 1 foot south of telephone pole painted "U. S. P. T. 20"; copper nail in hub.....	33 26 08.78	82 10 37.68	2,757
Belair, 3.6 miles west of, south side of road, in root of tree painted "U. S. P. T. 21"; copper nail.....	33 25 57.95	82 10 41.94	1,153
Belair, 4 miles west of, near Columbia-Richmond county line, just west of race track, on top of hill, at forks of road nearly opposite telephone pole 6466; iron post stamped "Elev. 531".....	33 25 48.71	82 11 05.55	2,209
Belair, 4.2 miles west of, northwest side of road, 50 feet from forks of road, 3 feet from pine tree painted "U. S. P. T. 22"; copper nail in hub.....	33 25 46.32	82 11 19.12	1,174
Belair, 4.8 miles west of, on west side of road, 2.5 feet east of telephone pole; copper nail in hub, painted "U. S. P. T. 23".....	33 25 28.37	82 11 48.41	3,069
Belair, 5.2 miles west of, on northwest side of road, in base of telephone pole 6525, painted "U. S. B. M. 457.5"; spike.....	33 25 12.10	82 12 04.87	2,156
Belair, 5.5 miles west of, on southeast side of road, opposite telephone pole 6640, 1 foot from pole; copper nail in hub, painted "U. S. P. T. 24".....	33 24 59.54	82 12 22.03	1,931
Belair, 6 miles west of, southeast side of road, 1.5 feet northwest of telephone pole, in hub; copper nail, painted "U. S. P. T. 25".....	33 24 45.89	82 12 42.43	2,212
Belair, 6.3 miles west of, public-road crossing of Georgia R. R. 20 feet north of, 3 feet south of crossing signpost painted "490.7"; iron post stamped "Elev. 491".....	33 24 38.75	82 12 59.78	1,639
High Top schoolhouse, 1.8 miles north of, 420 feet south of church, 2 feet east of pine tree painted "U. S. P. T. 26"; copper nail in hub.....	33 24 20.68	82 13 07.78	1,948
High Top schoolhouse, 1.25 miles north of, east side of road, in root of pine tree painted "U. S. B. M. 517.8"; copper nail.....	33 23 51.60	82 13 09.15	2,941
High Top schoolhouse, 0.6 mile north of, center of crossroads, near mail box.....	33 23 21.04	82 13 19.66	3,214
High Top schoolhouse, about 500 feet west of, center of crossroads. Bethesda Church, 900 feet east of; iron post stamped "Prim. Trav. Sta. No. 15, 1918 H".....	33 22 48.41	82 13 27.49	3,364
Hawkins's position is.....	33 22 44.81	82 13 44.99	1,529
	33 22 44.86	82 13 45.6	.....

Magnetic declination, 0° 18' E.

## CAMP HANCOCK—Continued.

## Along Dean's Bridge road.

Station.	Latitude.	Longitude.	Distance between stations.
High Top schoolhouse, 0.5 mile east of, 30 feet north of center of road, 3.5 feet south of pine tree painted "U. S. P. T. 27," in small oak stub; copper nail.....	33 22 52.10	82 12 48.43	Feet.
High Top schoolhouse, 1.2 miles east of, 15 feet south of center of road, 3 feet northwest of pine tree painted "U. S. P. T. 28," in hub; copper nail.....	33 22 51.50	82 12 11.08	3,173
High Top schoolhouse, 1.5 miles east of, 20 feet north of center of road, at base of pine tree painted "U. S. P. T. 29," in hub; copper nail.....	33 22 56.14	82 11 48.77	1,949
High Top schoolhouse, 1.7 miles east of, at dim road leading north 25° E., at corner of field, 18 feet north of center of road; iron post stamped "Elev. 460".....	33 22 58.88	82 11 35.15	1,189
High Top schoolhouse, 2.3 miles east of, just east of angle of 40° in road, on south side of road, 1 foot from pine tree painted "U. S. P. T. 30," in hub; copper nail.....	33 23 02.04	82 10 59.04	3,079
High Top schoolhouse, 2.7 miles east of, on south side of road, 1 foot north of small oak sapling painted "U. S. P. T. 31," in hub; copper nail.....	33 22 49.51	82 10 40.59	2,013
High Top schoolhouse, 3.4 miles east of, 15 feet south of center of road, 5 feet northwest of pine tree painted "U. S. P. T. 32," in hub; copper nail.....	33 22 36.40	82 10 01.23	3,591
High Top schoolhouse, 4 miles east of, 20 feet north of road, pine tree in wire fence line painted "U. S. P. T. 33," in root; copper nail.....	33 22 34.30	82 09 17.56	3,710
High Top schoolhouse, 4.4 miles east of, at forks of road, 15 feet north of road, in line of road south 63° W., at fence corner; iron post stamped "Elev. 315".....	33 22 29.47	82 09 00.70	1,511
Friendship Church, 2.5 miles southwest of, 18 feet south of center of road, 7 feet east of pine tree painted "U. S. P. T. 34," in road ditch, in root of tree; copper nail.....	33 22 23.83	82 03 41.55	1,721
Friendship Church, 2.2 miles southwest of, 75 feet southwest of creek crossing, 15 feet southeast of center of road, in root of large pine tree painted "U. S. P. T. 35"; copper nail.....	33 22 23.18	82 03 21.48	1,703
Friendship Church, 1.5 miles south of, at forks of road, at first-class road south, 20 feet west and 10 feet north of forks, on bank; iron post stamped "Prim. Trav. Sta. No. 1, Mac. 1918".....	33 22 44.96	82 07 53.37	3,246
Friendship Church, 1.1 miles southwest of, near crossroads, northwest side of road, in root of pine tree painted "U. S. P. T. 311.6"; copper nail.....	33 22 58.78	82 07 33.74	2,173
Friendship Church, 0.7 mile southwest of, near crossroads, northwest side of road, at forks of road, in base of oak tree painted "U. S. P. T. 351.4"; spike.....	33 23 14.99	82 07 19.67	2,027
Crossroads, center of main road.....	33 23 25.23	82 07 11.91	1,227
Friendship Church, crossroads, at north intersection; iron post stamped "Elev. 445".....	33 23 46.00	82 06 54.65	2,560

Magnetic declination, 0° 26' E.

## Along highways.

Dean's Bridge road; iron post stamped "Prim. Trav. Sta. No. 1" (described above).....	33 22 44.96	82 07 53.37	.....
Near road fork, at base of pine tree painted "314.7"; nail.....	33 23 00.00	82 08 05.57	1,840
Forks of road.....	33 23 06.27	82 08 04.97	636
West side of road, in root of pine tree painted "U. S. P. T. 60"; copper nail.....	33 23 21.92	82 08 13.54	1,741
Near old house, in root of cedar tree painted "324.7"; copper nail.....	33 23 27.74	82 08 19.44	773
Stream crossing, 250 feet west of, south edge of road, in root of pine tree painted "286.3"; nail.....	33 23 28.20	82 08 34.86	1,308
Crossroad, 25 feet north of, in top of small oak stub painted "368.6"; copper nail.....	33 23 38.94	82 08 52.77	1,867
East side of road, in root of pine tree painted "U. S. P. T. 61"; copper nail.....	33 23 53.84	82 08 59.28	1,605
Forks of road.....	33 24 00.67	82 09 03.68	785
Small creek crossing, 380 feet north of, 6 feet west of wire fence line, close to small oak painted "U. S. P. T. 62"; copper nail in stub.....	33 24 24.88	82 08 58.24	2,490
Abandoned frame house, 50 feet northeast of, in root of water-oak tree painted "U. S. P. T. 457.9"; copper nail.....	33 24 36.52	82 08 46.72	1,529
Iron post "478 B" (previously described).....	33 24 55.14	82 08 26.19	2,564

Magnetic declination, 0° 40' E.

121166°—23—Bull. 709—5

## CAMP HANCOCK—Continued.

## Along highways.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 62 (previously described).....	33 24 24.88	82 08 58.24	.....
Drain, 350 feet southeast of, 15 feet east of road at east end of field, in top of stake 1 foot from tree painted "U. S. P. T. 63"; copper nail.....	33 24 27.59	82 08 33.49	2,116
Catalpa tree on hill northeast of abandoned house, in root; copper nail, painted "U. S. P. T. 491.77".....	33 24 09.03	82 08 21.04	2,153
Abandoned frame house, south of, in root of chinaberry tree painted "U. S. P. T. 369"; copper nail.....	32 23 41.53	82 08 01.05	3,256
Near old sawmill site, close to road, in root of oak tree, painted "U. S. P. T. 341.9"; copper nail.....	33 23 33.94	82 07 36.34	2,232
Dean's Bridge road, at base of oak tree; spike.....	33 23 14.99	82 07 19.67	2,380

Magnetic declination 0° 22' E.

## Along highways.

Crossroads; iron post stamped "478 B" (previously described)....	33 24 55.14	82 08 26.19	.....
Crossroads, 17 feet west and 5 feet north of; iron post stamped "437-B," painted "436.77".....	33 24 41.63	82 09 07.33	3,746
Stream crossing, 560 feet south of, 10 feet east of center of road, 1 foot from pine tree painted "U. S. P. T. 44"; copper nail in stake.....	33 24 26.63	82 09 39.08	3,089
Near forks of road, hub in ground.....	33 24 10.20	82 09 45.96	1,760
Pine log across road, in top of; copper nail, painted "U. S. P. T. 346.9".....	33 23 58.60	82 09 53.46	1,334
Road fork, 10 feet south of, in 4 by 4 inch stake, painted "U. S. B. M. 322.9"; copper nail.....	33 23 52.72	82 10 04.69	1,123
Small stream, center of bridge over.....	33 23 48.34	82 10 13.45	865
Road fork southward, 20 feet east of, north side of road, at edge of wheel track, in root of stump painted "U. S. 318"; copper nail.....	33 23 40.58	82 10 28.48	1,496
Vacant house, opposite, at south edge of road, in root of oak tree, painted "U. S. P. T. 479"; copper nail.....	33 23 19.07	82 10 28.49	2,175
Lone pine tree, 4 feet north of, 20 feet west of center of road, in top of small oak stump painted "U. S. P. T. 45"; copper nail.....	33 22 58.22	82 10 39.64	2,309
U. S. P. T. 32 (previously described).....	33 22 36.40	82 10 01.23	3,934

Magnetic declination, 0° 46' E.

## Along highways.

U. S. P. T. Sta. No. 22 (previously described).....	33 25 46.32	82 11 19.12	.....
Road fork, 10 feet west of, in top of pine stump painted "424.2"; nail.....	33 25 30.31	82 11 07.66	1,887
Intersection of north and south cleared line with wagon road, east side of road, 3 feet from center, in top of stake painted "U. S. P. T. 46"; copper nail.....	33 25 05.12	82 10 51.48	2,891
Center of road, 4 feet west of, 3 feet south of tree, in top of pine stump painted "U. S. P. T. 47"; copper nail.....	33 24 39.45	82 10 35.25	2,936
Crossroads, 23 feet south, on east side of north and south road, in root of tree painted "U. S. B. M. 476.4"; nail.....	33 24 32.20	82 10 31.08	814
Crossroads, 0.25 mile east of vacant house in open field.....	33 24 22.04	82 10 35.19	1,084
Second-class road fork, near former site of sawmill, 10 feet south and 7 feet east of forks, in root of oak tree painted "320.9 U. S. P. T."; nail.....	33 24 09.05	82 10 47.19	1,660
Center of road, 10 feet south of, 5 feet northwest of pine tree painted "U. S. P. T. 48," in top of stake; copper nail.....	33 23 57.40	82 10 27.05	2,075
T. B. M. 3229 (previously described).....	33 23 52.72	82 10 04.69	1,953

Magnetic declination, 0° 46' E.

## Along highways.

Intersection of roads (previously described).....	33 25 37.11	82 10 47.12	.....
Small oak tree, 5 feet west of center of road, painted "478.4 U. S. P. T."; nail in root.....	33 24 56.66	82 10 34.01	2,430
Pine tree 12 feet east of center of road, in root of; nail, painted "U. S. P. T. 49".....	33 24 29.90	82 10 14.54	3,168
Road, west side of, 3 feet from center, in root of pine tree painted "U. S. P. T. 441.6"; nail.....	33 24 18.35	82 10 07.01	1,330
T. B. M. "346.9" (previously described).....	33 23 58.62	82 09 53.46	2,301

Magnetic declination, 0° 50' E.

**CAMP HANCOCK**—Continued.**Along highways.**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Iron post stamped "460" (previously described).....	33 22 58.88	82 11 35.15	.....
House, northwest of, at base of catalpa tree painted "487.9"; wire nail.....	33 23 11.92	82 11 27.73	1,460
Road at northeast edge of, in root of pine tree painted "P. T. 364.7"; wire nail.....	33 23 21.70	82 11 50.77	2,191
Dwelling house, 300 feet easterly from, in open field, at base of persimmon tree painted "U. S. P. T. 50"; copper nail.....	33 23 35.90	82 12 06.01	1,932
Forks of road, 8 feet south, 6 feet west of pine tree painted "U. S. B. M. 419.5".....	33 23 55.24	82 12 28.64	2,739
Pine tree, near northeast wagon track, in root 7 feet northwest of tree painted "U. S. P. T. 51"; copper nail.....	33 24 15.32	82 12 51.76	2,822
P. T. No. 26 (previously described).....	33 24 20.68	82 13 07.78	1,464

Magnetic declination, 0° 35' E.

**Along highways.**

T. B. M. "517.8" (previously described).....	33 23 51.60	82 13 09.15	.....
Pine tree on east side of road, in root; copper nail, painted "U. S. P. T. 53".....	33 23 40.89	82 12 56.62	1,518
Northeast side of road, beside persimmon tree, in top of small stump painted "380.7"; copper nail.....	33 23 27.10	82 12 34.18	2,359
Creek crossing, center of road, at Youngblood's house, 55 feet southeast of, in root of oak tree painted "415.4"; copper nail.....	33 23 08.76	82 12 36.74	1,560
Prim. Trav. Sta. No. 28 (previously described).....	33 22 51.50	82 12 11.08	2,790

Magnetic declination, 0° 35' E.

**Along highways.**

T. B. M. (previously described).....	33 23 19.07	82 10 28.49	.....
Near forks of road, 2 feet north of tree, painted "495.4," in stump; copper nail.....	33 23 17.80	82 10 02.39	2,217
Pine tree on north side of road, in root of; copper nail, painted "U. S. P. T. 52".....	33 22 56.16	82 09 40.76	2,856
Crossroads.....	33 22 52.03	82 09 30.23	986
P. T. No. 33 (previously described).....	33 22 34.30	82 09 17.56	2,091

Magnetic declination, 0° 20' E.

**Along highways.**

P. T. No. 35 (previously described).....	33 22 23.18	82 08 21.48	.....
Creek crossing, center of bridge at.....	33 22 44.86	82 08 17.88	2,213
Pine tree near forks of road, painted "267.1"; copper nail in root.....	33 22 49.16	82 08 22.37	578
Oak tree north of road, painted "317.0"; copper nail in root.....	33 23 11.17	82 08 41.63	2,760
Pine tree on west side of road, painted "U. S. B. M. 340.5," in root 2 feet north of tree; copper nail.....	33 23 19.35	82 08 48.32	1,003
T. B. M. (previously described).....	33 23 38.94	82 08 52.77	2,015

**On spur line from above T. B. M. (Unchecked.)**

House, 500 feet northwest of, 1 foot northeast of pine tree, painted "U. S. P. T. 54".....	33 23 57.35	82 09 24.26	3,255
Near house, in root of pine tree, not painted; copper nail.....	33 24 06.33	82 09 29.50	1,010

Magnetic declination, 0° 32' E.

Forks of road (previously described).....	33 24 00.67	82 09 03.68	.....
Old pine stump, in top of oak tree; copper nail, painted "436.7".....	33 24 27.00	82 09 11.79	2,749
Iron post 437 B (previously described).....	33 24 41.63	82 09 07.33	1,526

Magnetic declination, 0° 36' E.

## CAMP HANCOCK—Continued.

On spur line from above T. B. M. (Unchecked.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
T. B. M. "322.9" (previously described).....	33 23 52.72	82 10 04.69	.....
Creek crossing, 165 feet west of, in root of small tree, painted "U. S. B. M. 277.7"; wire nail.....	33 23 41.39	82 09 35.11	2,757
House, 400 feet northwest from, on east side of road, pine tree painted "U. S. P. T. 55," in top of oak stub; copper nail.....	33 23 18.10	82 09 18.58	2,738
Oak tree at bend of road; copper nail in base, painted "270.8"....	33 23 14.42	82 09 06.74	1,071
T. B. M. "340.5" (previously described).....	33 23 19.35	82 08 48.32	1,640

Magnetic declination, 0° 32' E.

T. B. M. "479" (previously described).....	33 23 19.07	82 10 28.49	.....
Dim crossroads, 30 feet west of, in bottom of small pine tree, painted "489.2 P. T."; spike.....	33 23 23.98	82 10 48.80	1,793
Pine tree on north side of old road, painted "U. S. P. T. 464.5"; nail in root.....	33 23 31.08	82 10 56.13	950
Pine tree at north edge of road, painted "330.4 U. S. P. T."; spike in base.....	33 23 38.61	82 11 10.97	1,472
Top of hill, open ground, 20 feet east of road; iron post stamped "Prim. Trav. Sta. No. 2, Mac. 1918".....	33 23 51.17	82 11 17.38	1,381
Pine tree 10 feet west of old road, painted "U. S. M. B. 416"; wire nail in root.....	33 24 03.73	82 11 25.19	1,432
Pine tree, 2.5 feet north of, 5 feet west of road, painted "U. S. P. T. 56" on tree; copper nail in root.....	33 24 22.73	82 11 43.45	2,467
Pine tree on west side of road, painted "390.9"; wire nail in root....	33 24 44.02	82 11 48.32	2,191
Pine tree, 8 feet west of road, painted "U. S. P. T. 57"; copper nail at base.....	33 25 07.35	82 11 48.77	2,357
P. T. 23 (previously described).....	33 25 28.37	82 11 48.41	2,125

Magnetic declination, 0° 40' E.

P. T. 25 (previously described).....	33 24 45.89	82 12 42.43	.....
Oak tree, just southwest of old road, painted "U. S. P. T. 58"; copper nail at base (spur line unchecked).....	33 24 29.27	82 12 19.89	2,544

Along highways from P. T. Sta. 13 H to Camp Hancock flagpole and return. (By H. S. Senseney in 1918.)

Prim. Trav. Sta. No. 13, H 1918 (previously described).....	33 27 04.96	82 05 07.13	.....
Nail in tie, 10 feet east of second-class road crossing, marked "P. T. 13".....	33 27 17.20	82 04 43.48	2,355
Milepost 7; nail in tie, marked "P. T. 14".....	33 27 21.72	82 04 34.79	868
Road crossing, 8 feet east of, nail in tie, marked "P. T. 15".....	33 27 29.00	82 04 20.91	1,386
Wheelless, 1.3 miles northwest of, 30 feet north by 18 feet east of railroad crossing; iron post stamped "Prim. Trav. Sta. No. 1, S 1918".....	33 27 46.58	82 03 47.05	3,375
Road crossing, 10 feet east of, nail in tie, marked "P. T. 16".....	33 27 39.04	82 03 10.49	3,190
Wheelless, east side of road, 55 feet south of railroad crossing; iron post stamped "Prim. Trav. Sta. No. 2, S 1918".....	33 27 14.35	82 02 44.25	3,342
Crossroads, 15 feet south of, 5 feet east of ditch, on west side of road; hub marked "P. T. 17".....	33 27 26.20	82 02 35.76	1,398
T road east, 25 feet north of, on east side of road; hub marked "P. T. 18".....	33 27 41.25	82 02 21.75	1,930
Camp Hancock, 25 feet southwest of northeast corner of triangle inclosure, in front of Y. M. C. A. Administration Building, 3 feet south of telephone pole; iron post stamped "Prim. Trav. Sta. No. 3, S 1918".....	33 28 08.33	82 01 58.05	3,394
T road north, at northeast corner of, at Camp Library; hub, marked "P. T. 1".....	33 28 10.78	82 02 17.01	1,625
Camp Hancock, 4 feet east of flag pole; iron post stamped "Prim. Trav. Sta. No. 4, S 1918".....	33 28 17.42	82 02 47.65	2,681
Camp Hancock, flag pole on which camp surveys are based.....	33 28 17.42	82 02 47.70	.....
Cross roads, at southeast corner of, at Y. M. C. A. hut No. 77, 4 feet east of telephone pole, marked "P. T. 2"; hub.....	33 28 12.68	82 02 52.74	644
Latrines for officers only, on south side of road, 3 feet east of blazed pine, marked "P. T. 3"; hub.....	33 28 11.55	82 03 16.64	2,029
Crossroads, 30 feet west of, 7 feet south of sign post marked "Camp End Road," marked "P. T. 4".....	33 28 10.37	82 03 44.70	2,379



## CAMP HANCOCK—Continued.

Along highways from P. T. Sta. 13 H to Camp Hancock flagpole and return. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Camp Hancock, on south side of Wrightsboro road, 90 feet east of cement walk to S. G. Roswell's residence; iron post stamped "Prim. Trav. Sta. No. 5, S 1918".....	33 28 09.70	82 03 52.99	Feet. 706
Crossroads, at northeast corner of, 2 feet south of most easterly of five mail boxes, marked "P. T. 6".....	33 28 09.76	82 03 59.95	590
T road south, 20 feet west of, on north side of road; hub, marked "P. T. 7".....	33 28 05.70	82 04 30.37	2,610
Small house, in front of, 5 feet east by 2 feet north of southwest corner of bricked terrace; hub, marked "P. T. 8".....	33 28 02.31	82 04 50.39	1,730
Camp Hancock, about 2 miles west of flag pole, on Wrightsboro road, at southwest corner of T road south (Barton's Chapel road); iron post stamped "Prim. Trav. Sta. No. 6, S 918".....	33 27 55.20	82 05 14.86	2,194
Road forks, 3 feet southeast of signpost marked "Camden Road—Div. Intrenchments"; hub, marked "P. T. 9".....	33 27 43.77	82 05 16.94	1,169
Crossroads, 6 feet south of, 2 feet east of west edge of road; hub, marked "P. T. 10".....	33 27 35.98	82 05 14.42	815
Road forks to southeast, 12 feet south of, on east edge of road; hub, marked "P. T. 11".....	33 27 29.49	82 05 11.42	703
Road fork road opposite, 2 feet west of east edge; hub, marked "P. T. 12".....	33 27 08.40	82 05 08.13	2,150
Prim. Trav. Sta. No. 13 H (starting point, previously described)...	33 27 04.96	82 05 07.13	357

## Along highways. (By O. B. Walsh in 1918.)

Prim. Trav. Sta. No. 13 H.....	33 27 04.96	82 05 07.13	.....
Georgia R. R., at road crossing, 1.25 miles east of Belair, in wooden culvert, painted "337.9 P. T. 71"; nail.....	33 26 39.44	82 05 47.77	4,302
Belair, 1 mile east of, in log at road crossing Georgia R. R.; copper nail and washer, painted "U. S. 318.1 P. T. 72".....	33 26 28.69	82 06 20.92	3,011
Belair, road crossing 25 feet north by 20 feet west of; iron post stamped "Prim. Trav. Sta. No. 15 W 1918. Elev. 309".....	33 26 30.64	82 07 16.61	4,721
Station 229, in crosstie midway between rails; nail.....	33 26 50.79	82 07 42.65	3,002
Station 230, in middle of first crosstie west of road crossing; copper nail and washer marked "P. T. 37".....	33 26 53.90	82 07 46.64	461
Belair, 1.4 miles northwest of, on Georgia R. R. at road crossing, 10 feet north of track and 14 feet west of center line of road; iron post stamped "Prim. Trav. Sta. No. 16, W 1918".....	33 27 00.97	82 08 12.61	2,313
Belair, 1.9 miles northwest of, 30 feet west of center line of road and 9 feet south of pine tree marked "P. T. 38"; hub with copper nail and washer.....	33 27 17.86	82 08 36.81	2,666
Belair, 2.5 miles northwest of, in angle of road forks; iron post stamped "Prim. Trav. Sta. No. 17, W 1918".....	33 27 25.14	82 08 59.82	2,084
Station 247, 18 feet west of center line of road, 3 feet east of 6-inch oak tree painted "P. T. 39"; hub with copper nail and washer.....	33 27 48.76	82 09 04.62	2,422
At road crossing, 6 feet west of center line of road and 48 feet south of shed, hub with copper nail and washer, painted "P. T. 40".....	33 28 06.70	82 09 07.04	1,823
Augusta, 12 miles west of, on Wrightsboro Road, in southwest angle of road crossing, 10 feet east of mail box marked P. T., iron post stamped "Prim. Trav. Sta. No. 18, W 1918".....	33 28 11.94	82 09 17.43	1,027

Mean magnetic declination, 0° 41' E.

Martinez, 4 miles west of, in northwest corner of road crossing of Belair highway and Augusta road; iron post stamped "Prim. Trav. Sta. No. 21, W 1918".....	33 30 26.77	82 08 30.69	.....
10 feet south of center line of road, 165 feet west of sign "Augusta 10 miles," 25 feet north of tree painted "P. T. 48"; hub with copper nail and washer.....	33 30 27.41	82 08 03.97	2,265
In exact center of main road, 4 feet east of center line of T road north, 25 feet southeast of signboard painted "P. T. 49"; hub with copper nail and washer.....	33 30 28.06	82 07 25.83	3,232
Martinez, 2.5 miles west of, on Augusta (Columbia) Road, 17 feet north of center line of road, 20 feet southeast of holly tree painted P. T.; iron post stamped "Prim. Trav. Sta. No. 22, W 1918".....	33 30 26.72	82 06 56.25	2,509
Six feet north of center line of main road, 10 feet east of center line of T road south, 6 feet south of small oak tree painted "P. T. 50"; hub with copper nail and washer.....	33 30 28.91	82 06 22.05	2,906
Martinez, 1.5 miles west of, on Augusta (Columbia) Road, 16 feet south of center line of Augusta Road, 26 feet east of Washington Road; iron post stamped "Prim. Trav. Sta. No. 23, W 1918".....	33 30 37.85	82 05 42.78	3,447
Station 336=Station 159, hub on north side of road, at T road south marked "P. T. 28".....	33 30 51.75	82 04 55.69	4,229

Mean magnetic declination, 0° 22' E.

## CAMP HANCOCK—Continued.

Along highways. (By O. B. Walsh in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Hub with copper nail and washer, 4 feet east of center line of road, 50 feet east of fence post painted "P. T. 41".....	° ' "	° ' "	Fert. ....
Station 262B, hub with copper nail and washer, 5 feet east of center line of road, 32 feet south of post marked "P. T. 42".....	33 28 24.43	82 09 35.61	.....
Augusta, 9 miles west of, on branch road, 1 mile northwest of Wrightsboro Road, 7 feet east of center line of road; iron post stamped "Prim. Trav. Sta. No. 19, W 1918".....	33 28 27.68	82 09 57.70	1,900
	33 28 34.41	82 10 12.37	1,417

No observations for magnetic declination.

Martinez, 2 miles south of, in northeast angle of cross roads; iron post stamped "Prim. Trav. Sta. No. 13, S 1918".....	33 29 15.33	82 04 23.41	.....
Six feet north of center line of road, 24.6 feet north of tree marked "T. B. M. 299.6," painted "P. T. 51"; hub with copper nail and washer.....	33 29 26.06	82 03 44.59	3,463
Martinez, 2 miles southeast of, on Wheeler Road, 12 feet north of center line of road, 3 feet west of T road south; iron post stamped "Prim. Trav. Sta. No. 24, W 1918".....	33 29 23.00	82 03 05.22	3,349
In root of 4-inch oak tree, 10 feet south of center line of road, 45 feet east of creek; copper nail and washer, painted "T. B. M. 232.9. P. T. 52".....	33 29 17.87	82 02 38.40	2,332
In base of 2-foot pine tree, 10 feet south of center line of road; copper nail and washer, painted "T. B. M. 233.4. P. T. 53".....	33 29 11.29	82 02 21.90	1,548
On north side of Wheeler Road, at farm road north; hub marked "P. T. 21".....	33 29 06.93	82 02 07.86	1,270

Mean magnetic declination 0° 15' E.

Prim. Trav. Sta. No. 13, S 1918 (previously described).....	33 29 15.33	82 04 23.41	.....
Seven feet east of center line of road, 105 feet north of lone pine tree marked "P. T. 54"; hub with copper nail and washer.....	33 29 39.70	82 04 19.90	2,481
Large spike in southeast corner of bridge, painted "T. B. M. 244.9. P. T. 55".....	33 30 01.63	82 03 55.52	3,028
Martinez, 0.8 mile southeast of, midway on cutoff between Washington and Wheeler Roads, at T road west; iron post stamped "Prim. Trav. Sta. No. 25, W 1918".....	33 30 17.12	82 03 36.89	2,223
Crossroads, 0.75 mile south of Washington Road; telephone pole painted "T. B. M. 293.1. P. T. 56".....	33 30 14.35	82 03 13.78	1,977
Augusta, 5 miles northwest of, 25 feet north by 45 feet east of T road south; iron post stamped "Prim. Trav. Sta. No. 10, S 1918".....	33 30 48.00	82 03 07.59	3,441

Mean magnetic declination, 0° 15' W.

Crossroads 0.75 mile south of Washington Road, telephone pole painted "T. B. M. 293.1. P. T. 56".....	33 30 14.35	82 03 13.78	.....
Three-foot elm tree; copper nail and washer in root, marked "T. B. M. 226.3. P. T. 57".....	33 29 59.25	82 03 21.25	1,652
In root of 2-foot maple tree marked "T. B. M. 225.1. P. T. 58"; copper nail and washer.....	33 29 55.67	82 03 31.68	954
In 2-foot pine stump, 7 feet north of tree marked "T. B. M. 273.6. P. T. 59"; copper nail and washer.....	33 29 46.00	82 03 32.38	979
In root of 2-foot mulberry tree, marked "T. B. M. 278.2. P. T. 60"; copper nail and washer.....	33 29 32.18	82 03 37.65	1,467
P. T. 51 (previously described).....	33 29 26.06	82 03 44.59	852

Along highways. (By H. S. Senseney in 1918.)

Crossroads 0.75 mile south of Washington Road; telephone pole painted "T. B. M. 293.1. P. T. 56".....	33 30 14.35	82 03 13.78	.....
In root of persimmon tree; copper nail and washer, marked "T. B. M. 260.4. P. T. 61".....	33 30 13.22	82 02 42.71	2,635
In root of 3-foot pine tree, 15 feet north of road; copper nail and washer, marked "T. B. M. 206.0. P. T. 62".....	33 30 09.92	82 02 18.58	2,070
In root of elm tree; copper nail and washer, marked "T. B. M. 193.7. P. T. 63".....	33 30 04.71	82 02 05.12	1,257
Augusta, 3 miles northwest of, 30 feet west of Highland Road, 15 feet south of second-class road; iron post stamped "Prim. Trav. Sta. No. 8, S 1918".....	33 29 55.76	82 01 52.76	1,384

Mean magnetic declination, 0° 05' W.

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
North side of road, at T road south; hub marked "P. T. 28".....	33 30 51.75	82 04 55.69	.....
Prim. Trav. Sta. No. 23, W 1918 (previously described).....	33 30 37.85	82 05 42.78	4,228
Center of track, 6 feet east of road crossing; copper nail in tie.....	33 30 41.33	82 06 04.85	1,903
18 feet north of old road crossing; copper nail in tie.....	33 31 08.84	82 06 49.87	4,719
Augusta, 11 miles west of, 20 feet west of Charleston & Western Carolina Ry. track at milepost 11; iron post stamped "Prim. Trav. Sta. No. 20, S 1918".....	33 31 15.33	82 06 57.29	908
18 feet north of road crossing; copper nail in tie.....	33 31 31.13	82 07 00.08	1,614
Evans, 80 feet north by 20 feet east of railroad crossing; iron post stamped "Prim. Trav. Sta. No. 21, S 1918".....	33 31 58.24	82 07 08.20	2,825
In triangle made by road forks; copper nail in hub.....	33 32 13.24	82 07 42.08	3,244
Evans, 0.75 mile west of, on road to old McKnight farm, at south- west corner of road forks; iron post stamped "Prim. Trav. Sta. No. 22, S 1918".....	33 32 00.89	82 07 49.46	1,396
Station 215, 20.3 feet north of, north side of road at top of hill; cop- per nail in root of small pine.....	33 31 39.07	82 08 04.30	2,538
Evans, 2 miles southwest of, in triangle made by road forks, near the old McKnight farm; iron post stamped "Prim. Trav. Sta. No. 23, S 1918".....	33 31 17.53	82 08 31.60	3,176
McKnight triangulation station (U. S. C. & G. S.). About 2 miles south of Evans railroad station, on the farm of W. J. Mc- Knight, in a cultivated field directly in front of his dwelling house. The station is on west side of county road from Evans and is marked according to note 16.....	33 31 14.62	82 08 34.66	392

NOTE 16.—A large nail embedded in concrete with the point  
projecting  $\frac{3}{4}$  inch at center of a 4-inch tile which is set in a  
block of concrete 2.5 feet in diameter.

Mean magnetic declination, 0° 47' E.

Prim. Trav. Sta. No. 21, S 1918 (previously described).....	33 31 58.24	82 07 08.20	.....
Station 227, 15 feet north of, on large boulder on north side of road; painted square.....	33 31 44.48	82 06 45.01	2,407
Evans, about 1 mile southeast of, at northeast corner of road forks, iron post stamped "Prim. Trav. Sta. No. 24, S 1918".....	33 31 17.02	82 06 22.76	3,356
Copper nail in north end of tie at east side of railroad crossing.....	33 30 43.54	82 05 46.25	4,585
Prim. Trav. Sta. No. 23, W 1918 (previously described).....	33 30 37.85	82 05 42.78	646

One observation for magnetic declination, 1° 20' E.

Prim. Trav. Sta. No. 3, S 1918 (previously described).....	33 28 08.83	82 01 58.05	.....
6 feet south of intersection of Highland Avenue and Belleview Avenue; hub marked "P. T. 19".....	33 28 34.23	82 01 51.23	2,681
On brick culvert at southwest corner of Highland Avenue and Walton Way, 4 feet west of Station 106, T. B. M.....	33 28 43.23	82 01 50.35	919
Augusta, on Walton Way, 1,520 feet west of Highland Avenue, at northwest corner of second-class road north; iron post stamped "Prim. Trav. Sta. No. 7, S 1918".....	33 28 45.05	82 02 08.07	1,512
Road forks, 25 feet north of spring; hub marked "P. T. 20".....	33 28 54.86	82 02 07.61	992
On north side of Wheeler Road, at farm road north; hub marked "P. T. 21".....	33 29 06.93	82 02 07.86	1,220
Southeast corner of Wheeler Road and Highland Avenue, 4 feet west of north end of brick culvert; hub marked "P. T. 22".....	33 29 05.76	82 01 47.98	1,688
On east side of road, 35 feet north of second-class road west, at mail box; hub marked "P. T. 23".....	33 29 29.52	82 01 47.39	2,403
Prim. Trav. Sta. No. 8, S 1918 (previously described).....	33 29 55.76	82 01 52.76	2,692
On north side of Washington Road, in line with Highland Avenue, 30 feet west of signboard painted "3 $\frac{1}{4}$ miles to Augusta"; hub marked "P. T. 24".....	33 30 30.60	82 01 21.47	4,408
On north side of road, 20 feet west of second-class road north; hub marked "P. T. 25".....	33 30 34.08	82 01 35.03	1,200
Augusta, 4 miles northwest of, on Washington Road, 25 feet south by 20 feet east of T lane south; iron post stamped "Prim. Trav. Sta. No. 9, S 1918".....	33 30 40.15	82 02 16.09	3,531
At northeast corner of second-class T road north, 1 foot west of brick culvert; hub marked "P. T. 26".....	33 30 45.82	82 02 53.34	3,206
Prim. Trav. Sta. No. 10, S 1918 (previously described).....	33 30 48.00	82 03 07.59	1,227
South side of road, 20 feet east of T road north at church; hub marked "P. T. 27".....	33 30 51.78	82 03 35.53	2,397

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Martinez, railroad crossing at railroad warning sign, 15 feet north of; iron post stamped "Prim. Trav. Sta. No. 11, S 1918".....	33 30 59.78	82 04 24.72	Feet. 4,243
Station 158: 20 feet east of railroad crossing; wire nail in tie (not marked).....	33 30 58.62	82 04 39.05	1,219
North side of road, at T road south; hub marked "P. T. 28".....	33 30 51.75	82 04 55.69	1,570
6 feet south of center line of east and west road, 30 feet east of center line of crossroads, tree marked "P. T. 29"; hub with copper nail and washer.....	33 30 27.82	82 04 58.15	2,428
In angle of road forks, 10 feet west of north and south road; hub..	33 30 10.03	82 05 00.48	1,807
Martinez, 1 mile south of, at T road west, 10 feet east of center line of main road; iron post stamped "Prim. Trav. Sta. No. 12, S 1918".....	33 30 01.64	82 04 56.94	899
Station 177: Hub.....	33 29 31.34	82 04 39.59	3,397
Station 179: At road forks, on west edge of north and south road, 24 feet east of southeast corner of small house; hub with copper nail and washer, witnessed by painted sign "P. T. 30".....	33 29 28.87	82 04 33.96	539
Prim. Trav. Sta. No. 13, S 1918 (previously described).....	33 29 15.33	82 04 23.41	1,635
East edge of main road, 11 feet south of center line of T road leading to house painted green.....	33 28 31.60	82 04 16.20	4,462
Station 213: 3 feet west of wire fence, on opposite side of road from tree painted "P. T. 34"; hub with copper nail and washer.....	33 28 22.15	82 04 10.22	1,081
Station 215: Prim. Trav. Sta. post No. 5 (described elsewhere)...	33 28 09.70	82 03 52.90	1,927

## Along highways. (By O. B. Walsh in 1918.)

12 feet south of center line of Milledgeville Road, 4 feet east of center line of Kissingbower Road, 5 feet north of post painted "P. T. 66"; hub.....	33 26 48.61	82 01 28.16	.....
Augusta, 3 miles southwest of, at junction of Milledgeville and Dean's Bridge roads, 5 feet west of stone signpost; iron post stamped "Prim. Trav. Sta. No. 30, W 1918".....	33 26 46.58	82 00 48.76	3,345
Augusta, 4 miles southwest of, 260 feet south of junction of Richmond Hill and Dean's Bridge roads, 10 feet north of 3-foot pine tree painted "U. S. P. T. 7"; iron post stamped "Prim. Trav. Sta. No. 31, W 1918".....	33 26 13.83	82 01 35.86	5,185
Nail in root of pine tree, painted "P. T. 73".....	33 25 58.48	82 02 11.69	3,410
Augusta, 6 miles southwest of, 100 feet west of T road north to Camp Hancock, on north side of road; iron post stamped "Prim. Trav. Sta. No. 32, W 1918".....	33 25 42.23	82 02 50.83	3,702
Junction of Lumpkin and Dean's Bridge roads, in east brick head-wall; square painted "P. T. 74".....	33 25 33.87	82 03 09.60	1,801
Augusta, 7.4 miles southwest of, on Dean's Bridge Road, at second-class road crossing, 3 feet from pine tree painted "P. T."; iron post stamped "Prim. Trav. Sta. No. 33, W 1918".....	33 25 12.56	82 04 10.23	5,572
Augusta, 8.5 miles southwest of, on Dean's Bridge Road at Barton's Chapel Road, directly in front of Barton's Chapel; iron post stamped "Prim. Trav. Sta. No. 34, W 1918, Elev. 268".....	33 25 06.26	82 04 50.31	3,456
Nail in root of pine tree, marked "298.0" and "P. T. 75".....	33 25 33.29	82 04 54.75	2,758
Junction of New McDuffie and Barton's Chapel roads, in base of 3-foot pine tree painted "U. S. 398.7" and "P. T. 76"; nail.....	33 26 05.86	82 05 01.82	3,345
Wheelless, 3 miles southwest of, on New McDuffie Road, between Milledgeville and Barton's Chapel roads, at second-class T road east; iron post stamped "Prim. Trav. Sta. No. 35, W 1918".....	33 26 10.12	82 04 45.36	1,460
Nail, in base of 15-inch pine tree, 14 feet south of center line of road, painted "P. T. 77".....	33 26 09.37	82 04 17.07	2,399
Wheelless, 0.9 mile southwest of, on Milledgeville Road at T road south; iron post stamped "Prim. Trav. Sta. No. 29, W 1918".....	33 26 49.46	82 03 45.37	4,862

Mean magnetic declination, 0° 21' E.

Prim. Trav. Sta. No. 40, W 1918.....	33 27 25.80	82 11 39.22	.....
West end of plank bridge, painted "U. S. 396.9" and "P. T. 90"; copper nail and washer.....	33 27 51.94	82 11 30.32	2,748
Grovetown, 1.5 miles northeast of, in angle of road forks, 8 feet east of 10-inch oak tree; iron post stamped "Prim. Trav. Sta. No. 42, W 1918".....	33 28 20.50	82 11 17.90	3,072
Cottonwood tree, 14 feet from shack painted "U. S. 468.0" and "P. T. 91"; copper nail and washer in root of tree.....	33 28 32.01	82 11 39.45	2,164
Pine tree painted "U. S. B. M. 469.6" and "P. T. 92"; copper nail and washer in root.....	33 28 52.70	82 11 46.66	2,179
Station C: Grovetown, 2.5 miles north of, 12 feet west of center line of right angle turn of road; iron post stamped "Prim. Trav. Sta. No. 43, W 1918".....	33 29 14.96	82 12 03.27	2,653

## CAMP HANCOCK—Continued.

Along highways. (By O. B. Walsh in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Pine tree painted "U. S. 385.9" and "P. T. 93"; copper nail and washer in root.....	° ' "	° ' "	<i>Feet.</i>
Pine tree painted "U. S. B. M." and "P. T. 94"; copper nail and washer in root.....	33 29 47.71	82 11 55.95	3,368
Martinez, 6 miles west of, at crossroads in front of Sardis school-house; iron post stamped "Prim. Trav. Sta. No. 44, W 1918".....	33 30 13.60	82 12 01.17	2,654
Willow tree painted "U. S. B. M. 278.0" and "P. T. 95"; 3 feet south of, in hub; copper nail and washer.....	33 30 29.13	82 12 09.48	1,720
Small plank bridge painted "U. S. B. M. 348.8" and "P. T. 96," in south end of; copper nail and washer.....	33 30 29.46	82 11 41.34	2,384
Martinez, 5 miles west of, on Columbia Road, 60 feet west of large oak tree painted "P. T." and "U. S. B. M. 367.4"; iron post stamped "Prim. Trav. Sta. No. 45, W 1918".....	33 30 24.91	82 11 29.29	1,120
Tree painted "B. M. 281.6" and "P. T. 97," 6 feet east of, in small stump; copper nail and washer.....	33 30 23.05	82 11 14.52	1,266
Sweet gum tree painted "U. S. B. M. 350.3" and "P. T. 98," in root of; copper nail and washer.....	33 30 21.58	82 10 54.24	1,725
Martinez, 5 miles west of, on Augusta (Columbia) Road, in angle of road forks, 20 feet west of center line of road; iron post stamped "Prim. Trav. Sta. No. 20, W 1918".....	33 30 24.22	82 10 24.96	2,493
	33 30 16.03	82 10 03.18	2,023

Mean magnetic declination, 0° 31' E.

Prim. Trav. Sta. No. 42, W 1918 (previously described).....	33 28 20.50	82 11 17.90	.....
Pine tree painted "U. S. B. M. 444.8," in root; copper nail and washer.....	33 28 24.23	82 11 02.49	1,358
In hub beside witness stake painted "U. S. B. M."; copper nail and washer.....	33 28 36.47	82 10 56.39	1,339
Sweet gum tree painted "U. S. B. M. 433.0," in root; copper nail and washer.....	33 28 57.78	82 11 09.69	2,431
Large oak tree painted "U. S. B. M. 412.8," in root; copper nail and washer.....	33 29 24.33	82 11 20.24	2,827
Chinaberry tree painted "U. S. B. M. 394.0," in root; copper nail and washer.....	33 29 38.35	82 11 19.14	1,420
Pine tree painted "U. S. B. M. 372.5," in root; copper nail and washer.....	33 29 54.10	82 11 20.22	1,593
Prim. Trav. Sta. No. 45, W 1918 (previously described).....	33 30 23.05	82 11 14.52	2,965

Mean magnetic declination, 0° 45' E.

Grovetown, on west side of track, 100 feet from railroad station; iron post stamped "Prim. Trav. Sta. No. 39, W 1918, Elev. 483".....	33 27 02.73	82 11 56.01	.....
Railroad crossing, in tie; painted "P. T. 109"; copper nail and washer.....	33 26 36.03	82 11 45.08	2,853
Forest station on Georgia R. R., at road crossing, in north end of small wooden bridge painted "U. S. P. T. 110"; copper nail.....	33 26 24.73	82 11 36.27	1,364
North edge of road, 210 feet east of railroad track, beside blazed tree; hub.....	33 26 08.30	82 11 28.44	1,788
Grovetown, 1.5 miles southeast of, on Milledgeville Road at T road west, old iron post stamped "Prim. Trav. Sta. No. 51 W 1918, Elev. 531".....	33 25 48.71	82 11 05.55	2,772

One observation for magnetic declination, 1° 33' E.

Prim. Trav. Sta. No. 23, S 1918 (previously described).....	33 31 17.53	82 08 31.60	.....
Copper nail and washer in stump painted "P. T. 99".....	33 31 07.82	82 08 06.01	2,379
Martinez, 2.6 miles east of, on cutoff road north from Augusta Road to Evans, at road forks in center of cluster of white farm buildings; iron post stamped "Prim. Trav. Sta. No. 46, W 1918".....	33 31 10.88	82 07 48.76	1,494
Painted square on rock painted "U. S. 331.9" and "P. T. 170".....	33 30 54.84	82 07 43.46	1,683
Plank bridge painted "U. S. B. M. 325.0" and "P. T. 108," on north end in painted square; spike.....	33 30 50.77	82 07 37.32	664
In center of road; hub with copper nail and washer: P. T. 49.....	33 30 28.06	82 07 25.83	2,494

Mean magnetic declination, 0° 32' E.

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 11, S 1918 (previously described).....	33 30 59.78	82 04 24.72	.....
Pine tree at northeast corner of crossroads, in root; copper nail.....	33 31 14.22	82 04 40.56	1,983
Pine tree on east side of road, in root; copper nail.....	33 31 40.91	82 05 07.18	3,515
Martinez, about 1 mile north of, on west side of Fury Ferry Road, where large boulder projects into road; iron post stamped "Prim. Trav. Sta. No. 28, S 1918".....	33 31 59.74	82 05 18.23	2,122
Oak tree on west side of road, front of house, in root; copper nail.....	33 32 23.51	82 05 11.50	2,469
Oak tree on west side of road, in root; copper nail.....	33 32 56.49	82 05 21.79	3,445
Martinez, about 2 miles north of, on Fury Ferry Road, at north- east corner of road forks; iron post stamped "Prim. Trav. Sta. No. 29, S 1918".....	33 33 20.09	82 05 41.17	2,895
Big pine tree on east side of road bend in root; copper nail.....	33 33 55.65	82 06 01.26	3,977
Small pine tree on south side of road at top of hill in root; copper nail.....	33 34 07.34	82 06 30.35	2,732
Martinez, 4 miles north of, on Fury Ferry road, in triangle made by road forks; iron post stamped "Prim. Trav. Sta. No. 30, S 1918".....	33 34 18.64	82 06 55.57	2,421
Oak tree on east side of road, in root; copper nail.....	33 34 02.39	82 07 06.73	1,895
Evans, 1.5 miles north of, at southeast corner of road crossing; iron post stamped "Prim. Trav. Sta. No. 31, S 1918".....	33 33 53.54	82 07 11.43	980
Tie on curve in east end of; copper nail.....	33 33 22.15	82 06 57.00	3,399
Evans, 1 mile north of, 12 feet east of Charleston & Western Caro- lina Ry. track, in cut; iron post stamped "Prim. Trav. Sta. No. 32, S 1918".....	33 33 06.89	82 07 06.74	1,749
Milepost 13, south side of road crossing at, in west end of tie; copper nail.....	33 32 55.71	82 07 14.46	1,305
Road crossing, 10 feet north of, at south end of switch, in tie; copper nail.....	33 32 22.53	82 07 13.61	3,354
Station 412 (Station 203) Prim. Trav. Sta. No. 21, S 1918 (described elsewhere).....	33 31 58.24	82 07 08.20	2,497

Mean magnetic declination, 0° 30' E.

"Prim. Trav. Sta. No. 9, S 1918" (previously described).....	33 30 40.15	82 02 16.09	.....
East side of road, at tall pine, in top of stump; copper nail.....	33 31 11.16	82 02 38.64	3,671
Southeast corner of railroad crossing, in root of oak tree; copper nail.....	33 31 18.58	82 02 55.05	1,580
Southeast corner of T road east, in root of small pine tree; copper nail.....	33 31 33.55	82 03 08.61	1,900
Augusta, 5 miles northwest of, on road to Fish Pond, at road forks, at base of oak tree in front of house; iron post stamped "Prim. Trav. Sta. No. 33, S 1918".....	33 31 49.27	82 03 17.66	1,765
Small pine tree on east side of road, in root; copper nail.....	33 32 17.05	82 03 14.32	2,822
Bridge over outlet of Fish Pond, at southeast corner of, in top of post; copper nail.....	33 32 27.45	82 03 11.71	1,074
East side of road, on boulder; painted square.....	33 33 18.60	82 03 19.18	5,209
Augusta, 6.5 miles northwest of, 0.25 mile west of power house, 160 feet east of water tank; iron post stamped "Prim. Trav. Sta. No. 34, S 1918".....	33 33 38.42	82 03 20.44	2,006
Road forks, pine tree on south side of road, in root; copper nail.....	33 33 32.30	82 03 40.09	1,776
Chinaberry tree on west side of road, in root; copper nail.....	33 33 41.57	82 04 01.09	2,010
Augusta, 7.5 miles northwest of, on hill 0.25 mile west of Savannah River, at bend in road at Abe Morgan's house; iron post stamped "Prim. Trav. Sta. No. 35, S 1918".....	33 34 00.70	82 04 13.01	2,181
Northeast corner of second-class crossroads, in root of pine tree; copper nail.....	33 33 58.24	82 04 29.52	1,420
East side of road, in root of pine tree; copper nail.....	33 33 43.77	82 04 52.21	2,414
Augusta, 8.5 miles northwest of, 2.5 miles northwest of city power plant, on west side of road, at old road forks; iron post stamped "Prim. Trav. Sta. No. 36, S 1918".....	33 33 40.85	82 04 52.28	295
East side of road, in front of cabin, in root of big oak; copper nail.....	33 33 23.27	82 05 03.40	2,011
Chinaberry tree, on west side of road, in root; copper nail.....	33 33 09.05	82 05 21.53	2,103
Oak tree, on west side of road, in root; copper nail.....	33 32 56.49	82 05 21.79	1,270

Mean magnetic declination, 0° 33' E.

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918).—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 13, S 1918 (previously described).....	33 29 15.33	82 04 23.41	.....
Wooden bridge, 75 feet northeast of north end of, 33 feet east of center line of road; hub.....	33 29 05.61	82 03 44.71	3,422
Wooden bridge, in first plank from north end of, witnessed by sign painted "P. T. 31" on bridge rail; copper nail and washer.....	33 29 02.68	82 03 35.56	830
Augusta, 5 miles northwest of, in southwest angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 14, S 1918".....	33 28 58.02	82 03 21.43	1,286
T road northeast, 6 feet east of center line of, 10 feet north of center line of main road, post as a witness marked "P. T. 32"; hub.....	33 28 55.91	82 02 53.41	2,383
16 feet east of center line of road, opposite tree marked "P. T. 33"; hub with copper nail and washer.....	33 28 53.75	82 02 28.99	2,080
Prim. Trav. Sta. No. 7, S 1918 (previously described).....	33 28 45.05	82 02 08.07	1,978

Mean magnetic declination, 0° 30' E.

Prim. Trav. Sta. No. 13, S 1918 (previously described).....	33 29 15.33	82 04 23.41	.....
Station 105, 1.4 feet south of: T. B. M. 20, on south side of road, in root of tree; copper nail.....	33 29 05.97	82 04 41.86	1,827
Augusta, 6 miles west of, on north side of Wheeler Road, 15 feet east of old road north into woods; iron post stamped "Prim. Trav. Sta. No. 15, S 1918".....	33 28 58.63	82 05 15.94	2,981
Tree on north side of road, in root; copper nail.....	33 28 56.64	82 05 28.60	1,091
T. B. M. No. 19, south side of road, in root of tree; copper nail.....	33 28 57.84	82 05 45.43	1,431
T. B. M. No. 18, north side of road, in root of tree; copper nail.....	33 29 06.40	82 06 11.66	2,384
Augusta, 7 miles west of, north side of Wheeler Road, 3 feet north of big pine tree; iron post stamped "Prim. Trav. Sta. No. 16, S 1918".....	33 29 14.02	82 06 28.25	1,602
T. B. M. No. 17, south side of road, in root of oak tree; copper nail.....	33 29 16.43	82 06 50.07	1,864
Pine tree on south side of road, in root; copper nail.....	33 29 15.89	82 07 32.47	3,592
Augusta, 8.5 miles west of, in northwest corner of crossroads at Marvin Church; iron post stamped "Prim. Trav. Sta. No. 17, S 1918".....	33 29 17.19	82 08 00.84	2,407
Pine tree on east side of road, in root; copper nail.....	33 29 43.11	82 08 16.02	2,919
East side of road at road forks in root of dead pine; copper nail.....	33 30 08.97	82 08 25.39	2,733

Mean magnetic declination, 0° 42' E.

"Prim. Trav. Sta. No. 17, S 1918" (previously described).....	33 29 17.19	82 08 00.84	.....
T. B. M. No. 13, southwest corner of crossroads, in root of oak tree; copper nail.....	33 28 49.31	82 07 49.64	2,973
Belair, 2.5 miles north of, 1 mile south of Marvin Church, in northwest corner of road forks; iron post stamped "Prim. Trav. Sta. No. 18, S 1918".....	33 28 24.44	82 07 43.10	2,574
T. B. M. No. 12: North side of road, in root of oak tree; copper nail.....	33 28 13.47	82 07 12.27	2,838
T. B. M. No. 11: Southwest corner of crossroads, in root of oak tree; copper nail.....	33 28 13.50	82 06 55.34	1,435
Augusta, 7 miles west of, on north side of Wrightsboro Road, 55 feet east of creek; iron post stamped "Prim. Trav. Sta. No. 19, S 1918".....	33 28 14.07	82 06 21.10	2,900
South side of road, at second-class road south, in log; copper nail.....	33 28 08.71	82 05 58.43	1,995
East side of road, at west end of foot bridge over creek, in log; copper nail.....	33 27 59.29	82 05 39.35	1,875
South side of road, in root of chinaberry tree; copper nail.....	33 27 51.45	82 05 29.45	1,154
Prim. Trav. Sta. No. 6, S 1918 (previously described).....	33 27 55.20	82 05 14.86	1,293

Mean magnetic declination, 0° 33' E.

Prim. Trav. Sta. No. 18, S 1918 (previously described).....	33 28 24.44	82 07 43.10	.....
Tall pine tree on south side of road, in root; copper nail.....	33 28 31.65	82 08 06.66	2,125
Marvin Church, 1 mile southwest of, on north side of Wrightsboro Road, 125 feet east of road forks; iron post stamped "Prim. Trav. Sta. No. 25, S 1918".....	33 28 35.14	82 08 22.61	1,397
Pine tree on south side of road, 15 feet west of road forks, in root; copper nail.....	33 28 28.30	82 08 36.83	1,389
Prim. Trav. Sta. No. 18, W 1918 (previously described).....	33 28 11.94	82 09 17.43	3,817

Mean magnetic declination, 0° 37' E.

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect.
T. B. M. No. 11: Southwest corner of crossroads, in root of oak tree; copper nail.....	33 28 13.50	82 06 55.34	.....
T. B. M. No. 10: West side of road, in root of pine tree; copper nail. Belair, 1 mile north of, on the more easterly of two roads to Marvin Church, at northwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 26, S 1918".....	33 27 59.76	82 07 02.30	1,510
T. B. M. No. 8: East side of road, in root of pine; copper nail.....	33 27 36.32	82 07 07.93	2,417
T. B. M. No. 7: East side of road, in root of pine; copper nail.....	33 27 13.04	82 06 59.49	2,460
Prim. Trav. Sta. No. 15, W 1918. Elev. 309 (previously described).	33 26 51.03	82 07 02.60	2,240
	33 26 30.64	82 07 16.61	2,380

Mean magnetic declination, 0° 15' E.

Prim. Trav. Sta. No. 26, S 1918 (previously described).....	33 27 36.32	82 07 07.93	.....
Station 316: South side of road, in root of small oak; copper nail. Belair, 1.25 miles northeast of, on Chatham Road, at southwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 27, S 1918".....	33 27 35.68	82 06 43.74	2,050
Station 320: North side of road, in root of small oak; copper nail.....	33 27 35.34	82 06 29.85	1,177
Station 328: South side of road, in root of pine; copper nail.....	33 27 34.95	82 06 23.16	568
Station 334: North side of road, in root of big pine; copper nail.....	33 27 37.21	82 08 00.89	1,901
Station 339: Station 171: South side of road, in root of chinaberry tree; copper nail.....	33 27 47.56	82 05 42.88	1,849
	33 27 51.45	82 05 29.45	1,204

Mean magnetic declination, 0° 16' E.

Triangle made by road forks, in hub; copper nail.....	33 32 13.24	82 07 42.08	.....
South side of road, west side of gate, in hub; copper nail.....	33 32 29.99	82 08 07.39	2,731
North side of road, at store, on outcrop; painted square.....	33 32 36.45	82 08 22.96	1,471
Evans, about 1.5 miles northwest of, on south side of Washington Road, 200 feet west of creek; iron post stamped "Prim. Trav. Sta. No. 44, S 1918".....	33 32 51.96	82 08 51.53	2,876
North side of road, at T road south, in root of stump; copper nail.....	33 32 59.86	82 09 07.31	1,562
West side of road, 15 feet north of creek, in hub; copper nail.....	33 33 11.07	82 09 22.79	1,732
South side of road, near church, in root of oak; copper nail.....	33 33 18.04	82 09 28.65	861
South side of road, west of small store, in root of pine; copper nail.....	33 33 24.04	82 09 36.74	915
East side of road at road forks, in hub; copper nail.....	33 33 43.80	82 09 55.30	2,541
Evans, 3 miles northwest of, on north side of Washington Road, at northeast corner of second-class T road north; iron post stamped "Prim. Trav. Sta. No. 45, S 1918".....	33 33 57.75	82 10 02.94	1,552
North side of road, 20 feet west of mail box, in root of oak stump; copper nail.....	33 33 51.70	82 10 34.41	2,732
Bridge over creek, north end of west abutment; chiseled square.....	33 34 00.61	82 11 01.40	2,455
Evans, 4.5 miles northwest of, on south side of Washington Road, at southeast corner of T road south; iron post stamped "Prim. Trav. Sta. No. 46, S 1918".....	33 34 05.29	82 11 15.23	1,262
South side of road, in root of pine; copper nail.....	33 33 46.31	82 11 22.75	2,021
West side of road, near negro cabin, in root of chinaberry tree; copper nail.....	33 33 30.97	82 11 29.16	1,642
East side of road, in hub; copper nail.....	33 33 24.17	82 11 33.70	788
Evans, 5.5 miles northwest of, on west side of second-class road, opposite negro cabin, at road forks about 1 mile south of Washington Road; iron post stamped "Prim. Trav. Sta. 47, S 1918".....	33 33 08.62	82 11 39.18	1,639
South side of road, in stump; copper nail.....	33 32 49.78	82 11 38.40	1,905
North side of road, 20 feet west of creek, in hub at foot of oak; copper nail.....	33 32 29.02	82 11 36.15	2,108
West side of road, in front of house, in root of oak; copper nail.....	33 32 14.30	82 11 41.62	1,558
Evans, 4 miles west of, on second-class road running from the Washington Road to the Augusta Road, at northwest corner of crossroads at negro cabin; iron post stamped "Prim. Trav. Sta. No. 48, S 1918".....	33 31 57.63	82 11 36.35	1,743
Road forks, in hub; copper nail.....	33 31 49.04	82 11 42.61	1,017
South side of road, 50 feet east of road forks, in pine stump; copper nail.....	33 31 39.19	82 11 59.01	1,708
Station 775: Station 767 (Walsh) (described elsewhere).....	33 31 15.26	82 12 08.35	2,545

Mean magnetic declination, 0° 30' E.



## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 18, W 1918 (previously described).....	33 28 11.94	82 09 17.43	.....
North edge of road, in hub; copper nail.....	33 28 24.43	82 09 35.61	1,992
West side of road, in stump; copper nail.....	33 28 44.35	82 09 51.24	2,409
Pine tree on east side of road, in root; copper nail.....	33 29 00.35	82 09 54.88	1,647
Marvin Church, about 2 miles west of, at northeast corner of cross-roads; iron post stamped "Prim. Trav. Sta. No. 49, S 1918".....	33 29 08.48	82 09 55.64	824
West side of road, in front of negro cabin, in root of oak tree; copper nail.....	33 29 36.09	82 09 58.45	2,801
East side of road, in triangle made by road forks, in hub; copper nail.....	33 29 56.50	82 09 51.41	2,147
Prim. Trav. Sta. No. 20, W 1918 (previously described).....	33 30 16.03	82 10 03.18	2,212
North side of road, east of road to house, in hub; copper nail.....	33 30 14.01	82 09 38.17	2,127
North side of road, 60 feet west of creek, in root of oak; copper nail.....	33 30 15.52	82 09 29.20	774
South side of road, in root of sweetgum; copper nail.....	33 30 18.30	82 09 23.22	580
North side of road, in root of oak; copper nail.....	33 30 25.74	82 08 55.01	2,505
Prim. Trav. Sta. No. 21, W 1918 (previously described).....	33 30 26.77	82 08 30.69	2,062
East side of road, in root of pine; copper nail.....	33 30 52.00	82 08 33.11	2,558
McKnight Triangulation Station (U. S. C. & G. S.).....	33 31 14.62	82 08 34.66	2,290

Mean magnetic declination, 0° 47' E.

In triangle made by road forks, in hub; copper nail.....	33 32 13.24	82 07 42.08	.....
East side of road, in root of elm tree; copper nail.....	33 32 27.19	82 07 43.39	1,415
Evans, 1 mile northwest of, about 0.5 mile north of Washington Road, on east side of road at bend; iron post stamped "Prim. Trav. Sta. No. 41, S 1918".....	33 32 49.57	82 07 52.28	2,383
East side of road, in root of dead oak; copper nail.....	33 33 20.57	82 07 41.01	3,275
Evans, 1.5 miles northwest of, 1.3 miles north of Washington Road, at southwest corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 42, S 1918".....	33 33 34.15	82 07 37.87	1,398
South side of road, in front of house, in root of oak; copper nail.....	33 33 50.18	82 07 24.32	1,986
Prim. Trav. Sta. No. 31, S 1918 (previously described).....	33 33 53.54	82 07 11.43	1,143

Mean magnetic declination, 0° 36' E.

West side of road, in root of oak; copper nail.....	33 32 56.49	82 05 21.74	.....
North side of road forks, in root of small elm; copper nail.....	33 32 50.72	82 05 43.77	1,949
Evans, 1 mile northeast of, on north side of second-class road leading to Ferry Road, 100 feet west of road forks; iron post stamped "Prim. Trav. Sta. No. 39, S 1918".....	33 32 40.76	82 06 08.75	2,342
East side of road, 135 feet north of road forks, in root of large china-berry tree; copper nail.....	33 32 31.34	82 06 39.33	2,758
South side of road, in root of oak; copper nail.....	33 32 29.98	82 06 50.24	934
Road crossing at south end of switch, 10 feet north of, in tie in center of track; copper nail.....	33 32 22.53	82 07 13.62	2,116

Mean magnetic declination, 0° 56' E.

West side of road, in root of oak; copper nail.....	33 32 56.49	82 05 21.79	.....
North side of road, in root of pine; copper nail.....	33 33 00.22	82 05 01.76	1,738
North side of road, in root of oak; copper nail.....	33 33 08.04	82 04 41.95	1,854
Augusta, 8 miles northwest of, about 1 mile of city power plant, in angle made by second-class road forks, at top of hill overlooking the Savannah River; iron post stamped "Prim. Trav. Sta. No. 43, S 1918".....	33 33 14.82	82 04 16.12	2,292
East side of road, in root of oak; copper nail.....	33 33 11.79	82 03 53.78	1,916
East side of road, at road forks, in root of pine; copper nail.....	33 33 28.52	82 03 43.56	1,900
South side of road, at road forks, in root of pine; copper nail.....	33 33 32.30	82 03 40.09	484

Mean magnetic declination, 0° 25' E.

## CAMP HANCOCK—Continued.

Along highways. (By H. S. Senseney in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Northeast corner of crossroads, in root of pine; copper nail.....	33 31 14.22	82 04 40.56	.....
West side of road, in root of cedar; copper nail.....	33 31 26.40	82 04 34.94	1,321
East side of road, in root of oak; copper nail.....	33 31 34.35	82 04 20.80	1,442
Martinez, 0.8 mile north of, on south side of second-class road running from the Ferry Road to Stevens Creek Road, 125 feet east of Negro cabin; iron post stamped "Prim. Trav. Sta. No. 33, S 1918".....	33 31 40.23	82 04 14.31	810
West side of road, in root of pine; copper nail.....	33 31 46.76	82 03 53.94	1,848
North side of road, 25 feet west of creek, in root of stump; copper nail.....	33 31 53.91	82 03 38.51	1,493
Prim. Trav. Sta. No. 33, S 1918 (previously described).....	33 31 49.27	82 03 17.66	1,827

Mean magnetic declination, 0° 36' E.

East side of road, 135 feet north of road forks, in root of large china-berry tree; copper nail.....	33 32 31.34	82 06 39.33	.....
North side of road, 35 feet west of small creek, in root of willow tree; copper nail.....	33 32 24.20	82 06 17.00	2,024
Evans, 1.5 miles east of, on second-class road to Jones Mill, at north-west corner of abandoned cabin; iron post stamped "Prim. Trav. Sta. No. 40, S 1918".....	33 32 19.54	82 05 58.26	1,655
South side of road, in root of big pine; copper nail.....	33 32 23.28	82 05 46.24	1,085
North side of road, in root of pine; copper nail.....	33 32 19.31	82 05 23.69	1,952
West side of road, in front of house, in root of oak tree, copper nail.....	33 32 23.51	82 05 11.50	1,117

Mean magnetic declination, 0° 36' E.

Along highways. (By O. B. Walsh in 1918.)

Prim. Trav. Sta. No. 3, S 1918 (previously described).....	33 28 08.33	82 01 58.05	.....
Southeast of intersection of Wrightsboro Road and Johns Road, 7 feet from telephone pole marked "P. T. 64"; painted cross on top of stone corner post.....	33 28 03.97	82 01 13.34	3,813
Outskirts of city of Augusta, at southwest corner of intersection of Wrightsboro Road and Troupe Street; iron post stamped "Prim. Trav. Sta. No. 26, W 1918".....	33 28 01.84	82 00 52.75	1,758
11 feet west of center line of road, at approach to gray painted house, in small plank bridge painted "P. T. 65"; copper nail and washer.....	33 27 36.80	82 01 03.45	2,688
Wheless, 1.75 miles east of, 50 feet north of Georgia R. R., at crossing, 21 feet west of centerline of Kissingbower Road; iron post stamped "Prim. Trav. Sta. No. 27, W 1918".....	33 27 18.44	82 01 16.59	2,163
Milledgeville Road, 12 feet south of center line of, 4 feet east of center line of Kissingbower Road, 5 feet north of post painted "P. T. 66" on south side of road; painted hub with copper nail and washer.....	33 26 48.61	82 01 28.16	3,171
Bridge wall painted "P. T. 67" on east end of; painted cross.....	33 26 50.48	82 01 58.20	2,552
Wheless, 0.7 mile southeast of, on Milledgeville Road at T road south, in southeast corner; iron post stamped "Prim. Trav. Sta. No. 28, W 1918".....	33 26 52.05	82 02 24.97	2,274
Junction of Milledgeville and Wheless roads, on stone curbing, 4.2 feet southwest of cement signpost painted "P. T. 68"; painted cross.....	33 26 53.35	82 02 46.93	1,864
Prim. Trav. Sta. No. 2, S 1918 (previously described).....	33 27 14.35	82 02 44.25	2,135

Mean magnetic declination, 0° 12' E.

Junction of Milledgeville and Wheless roads, on stone curbing, 4.2 feet southwest of cement signpost painted "P. T. 68"; painted cross.....	33 26 53.35	82 02 46.93	.....
Stone bridge wall on west side of road, on east end, painted "P. T. 69"; chiseled mark and painted cross.....	33 26 53.14	82 03 15.17	2,392
Prim. Trav. Sta. No. 29, W 1918 (previously described).....	33 26 49.46	82 03 45.37	2,586
Junction of McDuffie and Milledgeville roads on brick culvert, painted "T. B. M. 287.5. P. T. 70"; painted square.....	33 26 38.58	82 04 35.22	4,364
Station 502.....	33 26 39.97	82 04 59.40	2,053
Brick culvert, at corner of Bartons Chapel and Milledgeville roads, painted "T. B. M. 353.4. P. T. 35"; painted square.....	33 26 41.95	82 05 10.07	926
Prim. Trav. Sta. No. 13, H 1918.....	33 27 04.96	82 05 07.13	2,340

Mean magnetic declination, 0° 25' E.

## CAMP HANCOCK—Continued.

Along highways. (By O. B. Walsh in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 15, W 1918 (previously described).....	33 26 30.64	82 07 16.61	.....
20 feet south of center line of main road, 4 feet east of center line of T road south and 20 feet east of telephone pole marked "P. T. 35"; hub with copper nail and washer.....	33 26 25.26	82 07 59.27	3,656
Pole marked "P. T. 36," 7 feet north of, on edge of road; hub with copper nail and washer.....	33 26 18.80	82 08 21.34	1,981
Telephone pole marked "U. S. 391.5. P. T. 78"; railroad spike in base of.....	33 26 21.15	82 08 34.72	1,158
Telephone pole marked "U. S. P. T. 79" (also marked "17," an old number).....	33 26 15.45	82 08 53.12	1,662
Belair, 1.9 miles west of, on Milledgeville Road, 6 feet east of telephone pole marked "P. B. M. 394.1"; iron post stamped "Prim. Trav. Sta. No. 36, W 1918. Elev. 394".....	33 26 15.17	82 09 05.13	1,018
Pine tree marked "U. S. P. T. 18" and "P. T. 80"; nail in root.....	33 26 15.35	82 09 33.93	2,440
Telephone pole marked "529.0. P. T. 81" nail in base.....	33 26 13.88	82 10 01.16	2,313
Telephone pole marked "U. S. P. T. 19. P. T. 82"; hub 1 foot south of Grovetown, 1 mile east of, where Milledgeville Road forks to Grovetown, in angle of road forks; iron post stamped "Prim. Trav. Sta. No. 37, W 1918".....	33 26 13.53	82 10 05.65	382
Grovetown, 0.5 mile east of, on main road to Augusta, south side of road, 5 feet east of telephone pole marked "P. T."; iron post stamped "Prim. Trav. Sta. No. 38, W 1918".....	33 26 15.06	82 10 25.71	1,707
Elm tree painted "P. T. 83"; copper nail and washer in root of.....	33 26 30.10	82 11 10.04	4,053
Prim. Trav. Sta. No. 39, W 1918. Elev. 483 (previously described).....	33 26 55.04	82 11 33.86	3,229
Prim. Trav. Sta. No. 40, W 1918 (previously described).....	33 27 02.73	82 11 56.01	2,031
3-foot pine tree marked "U. S. 439.4. P. T. 84," in root of; copper nail and washer.....	33 27 25.80	82 11 39.22	2,731
Tree marked "U. S. 462.5. P. T. 85," in root of; copper nail and washer.....	33 27 26.12	82 11 25.91	1,128
Two-foot pine tree painted "U. S. 532.1 and P. T. 86," in root of; copper nail and washer.....	33 27 31.62	82 11 09.96	1,462
Large oak tree painted "U. S. B. M. 540.3. P. T. 87," in root of; copper nail and washer.....	33 27 38.83	82 10 50.46	1,805
Grovetown, 1.3 miles northeast of, on Wrightsboro Road, on edge of cotton field, 12 feet north of center line of road; iron post stamped "Prim. Trav. Sta. No. 41, W 1918".....	33 27 48.53	82 10 40.90	1,272
Small oak tree painted "P. T. 88," in root of; copper nail and washer.....	33 27 53.16	82 10 26.78	1,284
Pine tree painted "U. S. 516.8. P. T. 89," in root of; copper nail and washer.....	33 27 59.72	82 09 40.04	4,015
Prim. Trav. Sta. No. 18, W 1918 (previously described).....	33 28 04.02	82 09 30.90	888
	33 28 11.94	82 09 17.43	1,394

Mean magnetic declination, 0° 02' E.

Prim. Trav. Sta. No. 23, W 1918 (previously described).....	33 30 37.85	82 05 42.78	.....
Cherry tree on south side of road, in root of; copper nail.....	33 30 30.50	82 05 36.06	935
Small pine tree standing in triangle made by road forks, in root of; copper nail.....	33 30 08.99	82 05 22.95	2,441
Martinez, about 2 miles southwest of, on a second-class road running between the Washington Road and Wheeler Road, west side of road forks, near small creek; iron post stamped "Prim. Trav. Sta. No. 37, S 1918".....	33 29 57.70	82 05 29.60	1,272
Hickory tree on east side of road, in root of; copper nail.....	33 29 37.91	82 05 25.26	2,033
Pine tree on east side of road, in root of; copper nail.....	33 29 21.16	82 05 12.73	1,998
Prim. Trav. Sta. No. 15, S 1918 (previously described).....	33 28 58.63	82 05 15.94	2,293

Mean magnetic declination, 0° 12' E.

Prim. Trav. Sta. No. 15, W 1918 (previously described).....	33 26 30.64	82 07 16.61	.....
Road crossing, in railroad tie painted "P. T. 37"; copper nail and washer.....	33 26 53.90	82 07 46.64	3,460
Belair, 1 mile west of, on Georgia R. R.; Prim. Trav. Sta. No. 16, W. Telephone pole on north side of track; U. S. B. M. spike, P. T. No. 100. Elev. 349.5.....	33 27 00.27	82 08 12.61	2,313
Belair, 1.6 miles west of, on Georgia R. R., at road crossing at sawmill, on north side of track; iron post stamped "Prim. Trav. Sta. No. 47, W 1918".....	33 27 08.15	82 08 45.39	2,872
Belair, 2 miles west of, on Georgia R. R., on south side of track; stone post painted square on top of post, painted "U. S. B. M. 388.8. P. T. 101".....	33 27 12.78	82 09 07.92	1,965
	33 27 08.34	82 09 41.44	2,876

## CAMP HANCOCK—Continued.

Along highways. (By O. B. Walsh in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
Grovetown, 2.2 miles east of, on Georgia R. R., on south side of track, 2 feet southwest of stone monument, 50 feet east of road crossing; old post stamped "Prim. Trav. Sta. 48, W 1918. Elev. 398".....	° ' "	° ' "	Feet.
Grovetown, 2.1 miles east of, on Georgia R. R., 40 feet south of track, 22 feet northeast of 2-foot pine tree painted "U. S. P. B. M. 403.5"; iron post stamped "Prim. Trav. Sta. No. 49, W 1918".....	33 27 02.55	82 09 55.31	1,313
Railroad tie, 12 feet west of center line of road crossing, tie painted "P. T. 102"; copper nail and washer.....	33 27 01.05	82 10 07.67	1,057
Base of telephone pole painted "U. S. B. M. 425.5. P. T. 103," railroad spike.....	33 27 07.19	82 10 38.78	2,708
Grovetown, 1.3 miles east of, on Georgia R. R., 30 feet south of track; 6 feet south of stone monument; iron post stamped "Prim. Trav. Sta. No. 50, W 1918".....	33 27 06.29	82 10 44.75	513
Station 731: Old U. S. B. M. 443.7 on railroad tie painted "P. T. 104".....	33 27 06.58	82 11 00.26	1,314
Station 738: 40 W (described elsewhere).....	33 27 15.19	82 11 11.53	1,291
	33 27 25.80	82 11 39.22	2,579

One magnetic declination, 1° 36' E.

Prim. Trav. Sta. No. 44, W 1918 (previously described).....	33 30 29.13	82 12 09.48	.....
West end of small plank bridge painted "U. S. B. M. 328.4" and "P. T. 112"; copper nail and washer.....	33 30 43.80	82 12 06.07	1,511
Grass triangle at road forks, 0.7 mile north of Sardis schoolhouse, stake painted "P. T. 113"; hub with copper nail and washer.....	33 31 15.26	82 12 08.35	3,186
Evans, 3.8 miles west of, 1 mile northeast of Sardis school, on road from Augusta road to Evans, 10 feet north of center line of road, on edge of cotton field; iron post stamped "Prim. Trav. Sta. No. 52, W 1918".....	33 31 23.24	82 11 57.74	1,207
South end of small wooden bridge painted "U. S. B. M. 251.9" and "P. T. 114"; copper nail and washer.....	33 31 32.23	82 11 27.78	2,695
30-inch pine tree, painted "U. S. B. M. 240.1" and "P. T. 115," in root; copper nail and washer.....	33 31 41.16	82 11 09.81	1,769
Evans, 2.7 miles west of, on road to Sardis School, in angle of road forks at T road north, 70 feet southeast of pine tree painted "P. B. M"; iron post stamped "Prim. Trav. Sta. No. 53, W 1918".....	33 31 45.45	82 10 27.21	3,633
Oak tree painted "U. S. B. M. 408.8" and "P. T. 116," in root; copper nail and washer.....	33 31 48.25	82 10 07.96	1,654
Angle of road forks, white painted T. B. M. hub, witness post 422.3.....	33 31 49.00	82 09 42.00	2,199
Fence corner painted "U. S. 430.5" and "P. T. 117," in hub; copper nail and washer.....	33 31 48.95	82 09 32.42	812
Evans, 1.4 miles west of, on road to Sardis School on Columbia Road in angle of road forks where road turns southeast to McKnight triangulation station; iron post stamped "Prim. Trav. Sta. No. 54, W 1918".....	33 31 46.83	82 09 08.00	2,078
Pecan tree painted "U. S. B. M. 482.5" and "P. T. 118," in root; copper nail and washer.....	33 31 33.58	82 08 49.05	2,090
Station 797: Prim. Trav. Sta. No. 23, S 1918 (described elsewhere).....	33 31 17.53	82 08 31.60	2,194

Mean magnetic declination, 0° 32' E.

Angle of road forks, white painted T. B. M. hub, witness post 422.3.....	33 31 49.00	82 09 42.00	.....
Road forks near Enoch School, 20 feet west of fence post painted "U. S. B. M. 394.1" and "P. T. 119"; T. B. M. hub.....	33 31 58.77	82 10 01.60	1,930
Pine tree, painted "U. S. B. M. 380.6" and "P. T. 120," in root; copper nail and washer.....	33 32 16.73	82 09 59.80	1,821
Evans, 2.3 miles northwest of, on second-class road, 1 mile south of Washington Road on way to Enoch School; iron post stamped "Prim. Trav. Sta. No. 55, W 1918".....	33 32 33.12	82 09 51.49	1,799
Road forks at farm road, 22 feet west of pine tree painted "U. S. B. M. 354.2" and "P. T. 121"; T. B. M. hub.....	33 32 43.20	82 09 57.25	1,129
Road forks, P. T. No. 122; copper nail and washer in hub.....	23 33 11.55	82 09 45.79	3,025
South side of road, west of small store, in root of pine tree; copper nail.....	33 33 24.04	82 09 36.74	1,476

Mean magnetic declination, 0° 13' E.

## CHALKER QUADRANGLE.

West near center of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Warthen, "Prim. Trav. Sta. No. 149 Mac., 1918" .....	33 06 12.3	82 48 13.5	.....
Road fork .....	33 06 38.7	82 48 50.1	4, 106
Milestone 11, center of road, at lane northwest .....	33 07 12.6	82 49 30.9	4, 880
T road west .....	33 07 44.4	82 50 11.2	4, 708
T road corners .....	33 08 23.4	82 50 38.3	4, 566
Creek crossing, bridge over .....	33 08 12.0	82 51 35.3	4, 988
Road forks .....	33 08 05.5	82 52 41.8	5, 703
Do .....	33 07 14.6	82 53 25.8	6, 372
Do .....	33 06 46.2	82 54 49.6	7, 088
Do .....	33 06 57.8	82 55 35.9	4, 114
T road north .....	33 06 51.6	82 56 07.1	2, 732
Road forks .....	33 06 26.2	82 57 04.5	5, 520
Buffalo Creek, center of bridge over .....	33 06 24.7	82 57 33.1	2, 440
Road fork .....	33 06 31.9	82 58 09.9	3, 219
Linton, three corners, at T road south, 80 feet southeast to corner of post office and store, 30 feet north to corner of yard fence .....	33 06 44.8	82 58 49.7	4, 440

## East near center of quadrangle.

Warthen, "Prim. Trav. Sta. No. 149" .....	33 06 12.3	82 48 13.5	.....
Angle of roads, in line of road southeast and road southwest .....	33 06 44.9	82 47 28.1	5, 075
Road forks .....	33 05 58.8	82 46 43.2	6, 021
T road S. 20° W .....	33 05 27.2	82 45 33.7	6, 732

## East at north border of quadrangle.

T road, second class, southwest .....	33 14 51.5	82 48 17.6	.....
Crossroads .....	33 14 31.3	82 46 49.0	7, 801
T road south .....	33 14 47.2	82 45 56.7	4, 729

## East along highways near south border of quadrangle.

Deepstep; iron post stamped "21 1906" .....	33 01 51.9	83 00 32.4	.....
Road fork, on road north, about 30 feet west of road southwest .....	33 01 22.7	82 59 14.3	7, 279
Road fork .....	33 01 06.4	82 58 50.6	2, 606
Deepstep, T road north at .....	33 01 06.2	82 58 21.5	2, 489
Road fork .....	33 00 58.6	82 57 32.4	4, 249
Do .....	33 00 57.2	82 56 11.6	6, 891
Milestone 8, center of road at .....	33 01 04.6	82 55 25.2	4, 029
Sandersville, 7 miles west of, on road to Deepstep, 40 feet north of forks of road, on west side of road N. 30° W., 2.5 feet from wire fence; iron post stamped "Prim. Trav. Sta. No. 148, 1918 Mac."; azimuth to right-hand edge of chimney 147° 40' .....	33 01 21.5	82 54 39.5	4, 252
T road north .....	33 01 03.4	82 53 42.0	5, 229
T road south .....	33 00 56.5	82 52 37.9	5, 505
Do .....	33 00 37.8	82 51 51.2	4, 409
Milestone 3, center of road at .....	33 00 14.4	82 51 15.4	3, 859
Road fork .....	33 00 00.8	82 50 31.0	4, 031

## North along Augusta Southern R. R. near east border of quadrangle. (By E. L. McNair in 1918.)

Intersection of railway tangents, angle of 33° 38' .....	33 00 28.6	82 47 05.8	.....
Silas flag station; public-road crossing .....	33 00 48.4	82 47 10.9	2, 050
Public-road crossing .....	33 01 15.2	82 47 12.4	2, 707
Do .....	33 01 31.2	82 47 03.6	1, 789
Farm-road crossing .....	33 02 01.9	82 46 51.7	3, 260
Do .....	33 03 08.0	82 47 10.5	6, 875
Intersection of railway tangent .....	33 03 25.8	82 47 18.1	1, 905
Road crossing .....	33 04 06.5	82 47 29.5	4, 232
Do .....	33 04 22.5	82 47 28.6	1, 621
Farm-road crossing .....	33 04 44.7	82 47 57.6	3, 339
Road crossing .....	33 05 07.4	82 48 12.6	2, 622
Warthen station, about 1,000 feet north of, 37 feet S., 60° E., from public-road crossing, 30 feet east of center of track, 2 feet from wire fence; iron post stamped "Prim. Trav. Sta. No. 149, 1918 Mac."; azimuth to west corner of W. H. Frank's brick store is 51° 54' 15" .....	33 03 12.3	82 48 13.5	6, 562
North end of trestle .....	33 06 42.4	82 48 02.1	3, 195
Public-road crossing .....	33 07 11.4	82 47 43.0	3, 347
Do .....	33 07 34.9	82 46 45.6	5, 429
Second-class road crossing .....	33 07 40.2	82 46 11.7	2, 932
Milepost 66 .....	33 07 59.8	82 45 27.9	4, 219
Second-class road crossing .....	33 08 19.3	82 45 02.2	2, 948

Magnetic declination near east border of quadrangle, 1° 9' E.

## CLARKS HILL QUADRANGLE.

(By B. H. Yoakum in 1918.) For additional points see Camp Hancock list.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	33 34 33.7	82 08 04.2	.....
Sneads siding, road crossing at.....	33 33 53.6	82 07 11.6	6,011
Road crossing.....	33 32 55.9	82 07 14.4	5,838
Evans, main road crossing at.....	33 31 57.4	82 07 08.5	5,933

## Along highways near south border of quadrangle.

T road west.....	33 32 01.2	82 07 49.2	3,470
U. S. C. & G. S. triangulation station McKnight, on farm of W. J. McKnight, 2 miles south of Evans railroad station. Station is directly in front of dwelling house, among a few peach trees planted in a cotton field, west side of county road from Evans railroad station. Distance to southeast corner of chimney of house is 174.6 feet and from reference mark is 73.980 meters. Station mark: two 4-inch tile pipes, one above the other, set in concrete, each with a nail in its top, top of upper pipe being even with surface, in yard east of garden-fence line, 20 feet north of fence on north side of lane leading to barn. A 60-foot tripod erected and all observations made from top. Good view to east.....	33 31 14.6	82 08 34.7	6,030
Crossroads.....	33 30 26.6	82 08 40.4	4,866
T road southwest.....	33 30 16.3	82 10 03.1	7,913
Walton Branch, stream crossing.....	33 30 21.3	82 10 54.1	4,345
William Brigham's residence, near Sardis schoolhouse, T road fork at.....	33 30 27.7	82 12 05.1	6,040
T road south.....	33 30 59.4	82 13 47.0	9,206
T road south to Grovetown.....	33 31 09.0	82 14 35.1	4,184

## Along highways near west border of quadrangle.

Old Delph post office, on Washington road, 0.6 mile east of, T road north.....	33 34 22.6	82 14 06.7	.....
Center of "old Petersburg road" at T road southwest.....	33 35 32.1	82 13 42.0	7,325
Kiokee Creek, 1,500 feet north of iron bridge over, T road west.....	33 36 16.2	82 14 07.7	4,965
Second Mount Carmel Baptist Church, 210 feet south of, 760 feet north of T road west, 20 feet east of road forks, on east side of old Petersburg road; iron post stamped "Prim. Trav. Sta. No. 23, 1918 Y".....	33 37 20.3	82 14 25.8	6,657

## COBBTOWN QUADRANGLE.

South along highways near east border of quadrangle. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	32 14 09.6	82 00 08.5	.....
Road fork at Little Dry Creek.....	32 13 58.1	82 00 24.6	1,800
Crossroads.....	32 13 14.0	82 00 27.5	4,471
Road fork at Evans-Tattnall county line.....	32 12 40.8	82 00 39.0	3,494
Crossroads.....	32 11 49.2	82 01 11.8	5,923
North end of bridge.....	32 11 02.1	82 01 07.2	4,781
Center of small creek.....	32 10 11.4	82 01 15.1	5,168
Road fork.....	32 09 52.0	82 01 07.5	2,073
Manassas, 40 feet east of Seaboard Air Line Ry. station, 26 feet north of track, 2 feet west of crossing sign; iron post stamped "Prim. Trav. Sta. No. 25, 1918 J".....	32 09 37.2	82 01 12.9	1,571

Magnetic declination for east border of quadrangle, 0.4° E.

## COBBTOWN QUADRANGLE—Continued.

## West along Seaboard Air Line Ry.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 09 27.2	82 00 18.6	.....
Manassas, Prim. Trav. Sta. No. 26, 1918 J.....	32 09 37.2	82 01 12.9	4,773
Road crossing.....	32 09 44.2	82 01 53.5	3,568
Do.....	32 10 04.0	82 03 44.1	9,720
Do.....	32 10 12.7	82 04 32.4	4,250
Do.....	32 10 20.3	82 05 14.6	3,709
Collins, at northwest corner of Standard Oil plant, 50 feet south of track, 100 feet southwest of depot; iron post stamped "Prim. Trav. Sta. No. 34, J 1918".....	32 10 43.6	82 06 34.9	7,301
End of tangent.....	32 10 56.2	82 07 15.8	3,747
Road crossing.....	32 10 56.5	82 07 32.3	1,421
East end of trestle.....	32 11 15.9	82 07 58.7	3,003
Danton, road crossing.....	32 11 30.3	82 08 37.3	3,628
Road crossing.....	32 11 39.1	82 09 06.1	2,640
Do.....	32 11 44.9	82 09 29.1	2,062
Overhead bridge, road crossing under.....	32 11 40.2	82 09 52.0	2,035
East end of trestle.....	32 11 13.3	82 11 11.8	7,377
West end of trestle.....	32 11 13.1	82 11 27.2	1,320
Road crossing.....	32 11 12.2	82 12 20.9	4,620
Choopee, 60 feet east of station, 2 feet west of crossing sign; iron post stamped "Prim. Trav. Sta. No. 35, J 1918".....	32 10 48.7	82 13 11.9	4,995
T road west.....	32 11 26.8	82 13 15.2	3,853
Road fork.....	32 11 49.1	82 13 11.9	2,270
Do.....	32 12 13.0	82 13 28.0	2,782
Crossroads at graveyard.....	32 12 51.1	82 13 43.2	4,056
Crossroads.....	32 13 25.7	82 14 27.0	5,132
Center of road opposite well at school.....	32 14 19.0	82 14 56.1	5,940
Crossroads.....	32 14 35.6	82 14 51.3	1,718

Magnetic declination in northwest corner of quadrangle, 0° 55' E.

## North along highways near west border of quadrangle. (By G. T. Hawkins in 1918.)

Second-class crossroads.....	32 00 16.7	82 11 42.3	.....
Elsa post office, 400 feet east of road fork.....	32 00 54.8	82 12 16.2	4,833
Crossroads at old store.....	32 00 52.2	82 13 06.6	4,352
Elsa, 1.25 miles northwest of, on south side of east and west road, at T road northwest; iron post stamped "Prim. Trav. Sta. No. 43, 1918 H"; azimuth to right-hand lightning rod on house north is 145° 19' 30".....	32 00 59.8	82 13 56.3	4,340
Road west.....	32 01 18.3	82 14 22.1	2,898
Road fork.....	32 01 31.7	82 14 26.6	1,407
Creek east.....	32 02 14.3	82 14 02.1	4,800
Fork southeast, at mail box.....	32 02 54.6	82 14 27.8	4,624
Road east, 20 feet southwest of mail box.....	32 03 38.4	82 14 58.1	5,138

Magnetic declination near west border of quadrangle, 1° 9' E.

## North along highways near west border of quadrangle. (By Oscar Jones in 1918.)

Crossroads.....	32 06 23.6	82 14 47.0	.....
East end of footbridge over creek.....	32 06 36.9	82 14 25.7	2,272
Road fork, 300 feet west of Mount Moria Church.....	32 06 45.4	82 13 48.5	3,295
Road fork at northeast corner of Mount Moria graveyard.....	32 06 49.1	82 13 44.0	600
T road west at Giles's place.....	32 08 05.5	82 13 53.4	7,762
Road fork.....	32 08 39.5	82 13 31.2	3,932
Do.....	32 08 59.5	82 13 09.2	2,772
Pendleton Creek, north end of bridge over.....	32 09 08.2	82 12 49.4	1,929
Road fork.....	32 09 31.9	82 12 39.7	2,534
Do.....	32 10 16.8	82 12 56.1	4,745
Choopee, Prim. Trav. Sta. No. 35, J 1918.....	32 10 48.7	82 13 11.9	3,502

## Northeast along highways near south border of quadrangle. (By G. T. Hawkins in 1918.)

Road fork to new bungalow, 300 feet north of.....	32 00 19.0	82 14 48.4	.....
Second-class road northwest.....	32 00 39.3	82 14 19.6	3,219
Prim. Trav. Sta. No. 43, 1918 H.....	32 00 59.8	82 13 56.3	2,886

## COFFEE QUADRANGLE.

Southeast along Atlantic Coast Line R. R. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	31 17 03.7	82 15 52.2	.....
Homestead, road crossing.....	31 16 29.9	82 16 34.6	5,020
Road crossing.....	31 15 40.5	82 17 36.7	7,340
South end of trestle.....	31 15 26.3	82 22 41.6	.....
Road crossing.....	31 15 48.4	82 22 49.9	2,340
Do.....	31 16 14.8	82 22 59.7	2,800
Do.....	31 17 13.2	82 23 21.6	6,200
North end of trestle.....	31 17 40.7	82 23 32.0	2,920
Satilla River, north end of trestle.....	31 17 55.9	82 23 30.7	1,538
Road crossing at saw mill.....	31 18 48.3	82 23 10.6	5,568
Road crossing.....	31 19 10.2	82 23 21.5	2,409
Do.....	31 19 45.4	82 24 09.1	5,444
Do.....	31 19 55.1	82 24 25.3	1,714
Do.....	31 20 35.9	82 25 05.8	5,416
Haywood, road crossing at.....	31 21 29.3	82 25 59.4	7,124
Center of small trestle, 100 feet south of milepost A 94.....	31 21 57.3	82 26 43.3	4,740
Road crossing.....	31 22 28.4	82 27 09.0	3,838
Bolen station, 50 feet west of track, 10 feet south of mail box, iron post stamped "Prim. Trav. Sta. No. 16, 1917".....	31 23 31.2	82 27 58.8	7,700
Center of track opposite milepost 91.....	31 24 08.3	82 28 26.9	4,481
Road crossing.....	31 24 41.2	82 28 52.8	4,000
South end of trestle.....	31 25 01.5	82 29 08.8	2,480

## Northwest along Atlanta, Birmingham &amp; Atlantic R. R.

Road crossing.....	31 27 47.5	82 15 01.2	.....
Mershon, 50 feet south of track, 75 feet north of brick wall; iron post stamped "Prim. Trav. Sta. No. 18".....	31 27 54.9	82 15 18.2	1,647
Road crossing.....	31 28 26.8	82 16 22.3	6,422
Do.....	31 28 44.7	82 16 38.6	2,299
Do.....	31 29 22.1	82 17 09.7	4,634
Do.....	31 29 53.9	82 17 41.7	4,250

## DAISY QUADRANGLE.

South along highways near east border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork.....	32 14 26.8	81 46 09.8	.....
Road fork at graveyard.....	32 13 45.5	81 46 13.6	4,178
Crossroads.....	32 13 17.3	81 46 22.7	2,950
Crossing of Mill Branch.....	32 12 58.6	81 46 23.3	1,890
Crossroads.....	32 12 04.4	81 46 04.5	5,711
Crossroads, at C. B. Brown's mail box.....	32 11 23.1	81 46 01.5	4,170
Road fork.....	32 10 43.2	81 45 55.8	4,066
Crossroads.....	32 10 14.2	81 45 44.9	3,071
Road fork, Groveland-Claxton and Groveland-Statesboro roads.....	32 09 11.4	81 45 20.8	6,675

## Near northwest corner of quadrangle.

Crossroads.....	32 14 34.9	81 59 30.3	.....
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## West along Seaboard Air Line Ry. through center of quadrangle.

West end of tangent.....	32 08 42.2	81 45 33.2	.....
Road crossing.....	32 08 36.9	81 46 01.6	2,498
East end of trestle over Canoochee River.....	32 08 32.6	81 46 27.8	2,300
West end of trestle over Canoochee River.....	32 08 30.1	81 46 41.7	1,220
Road crossing.....	32 08 45.8	81 47 26.8	4,196
Do.....	32 09 00.1	81 48 00.3	3,230
Do.....	32 09 04.3	81 48 48.7	4,182



## DAISY QUADRANGLE—Continued.

West along Seaboard Air Line Ry. through center of quadrangle—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Daisy, road crossing at.....	32 09 03.4	81 50 11.4	7, 110
Road crossing.....	32 09 03.0	81 50 39.0	2, 380
Do.....	32 09 14.1	81 51 22.7	3, 919
Do.....	32 09 26.0	81 52 09.5	4, 200
Do.....	32 09 40.6	81 53 09.2	5, 347
Crossing of Seaboard Air Line and Shearwood railroads.....	32 09 40.6	81 53 38.8	2, 546
Claxton, 600 feet east of depot, 25 feet south of track, 10 feet east of street line; iron post stamped "Prim. Trav. Sta. No. 26, J 1918".....	32 09 40.4	81 54 12.0	2, 858
Brick church, road crossing at.....	32 09 39.7	81 54 41.5	2, 541
Road crossing.....	32 09 30.3	81 55 22.6	3, 060
Hagan, crossing of Seaboard Air Line and East Georgia railroads.....	32 09 24.4	81 55 47.9	2, 255
Hagan, road crossing at depot.....	32 09 19.9	81 56 07.1	1, 710
Road crossing.....	32 09 05.3	81 57 09.6	5, 580
Do.....	32 09 00.2	81 57 47.1	3, 260
Belleville, 30 feet east of station, 30 feet north of track, 1 foot west of crossing sign; iron post stamped "185".....	32 09 08.0	81 58 29.2	3, 713

Magnetic declination for east edge of quadrangle (north half), 0.6° E.

West along highways near south border of quadrangle. (By Oscar Jones in 1918.)

Crossroads.....	32 01 50.8	81 45 33.8	.....
Road fork.....	32 01 58.6	81 45 56.9	2, 133
Do.....	32 02 15.7	81 46 26.2	3, 056
Crossroads.....	32 02 40.1	81 47 32.8	6, 244
Approximate crossing of Tattnall-Liberty county line.....	32 02 51.8	81 47 49.9	1, 887
East side of road, 150 feet northeast of crossroads, 400 feet south of residence of William Wells; iron post stamped "Prim. Trav. Sta. No. 27, 1918 J; azimuth to lightning rod on front roof of house, 148° 35' 45".....	32 03 34.8	81 48 42.5	6, 276
Crossroads.....	32 02 52.4	81 49 37.5	6, 388
Do.....	32 02 29.8	81 50 54.7	7, 022
Moody, crossing of East Georgia Ry.....	32 02 00.9	81 52 02.0	6, 485
Crossroads.....	32 01 50.1	81 52 40.0	3, 444
Road fork at school.....	32 01 47.8	81 53 22.5	3, 669
Crossroads, Claxton-Glenntown.....	32 01 39.9	81 53 34.7	1, 316
Road fork at creek.....	32 01 29.1	81 53 54.3	2, 007
Crossroads.....	32 01 30.5	81 54 41.0	4, 017
Do.....	32 01 29.2	81 54 58.1	1, 479
Do.....	32 01 24.1	81 55 35.0	3, 221
Road fork.....	32 01 12.3	81 56 12.2	3, 418
T road east.....	32 01 07.8	81 56 58.7	4, 020
Crossroads.....	32 00 46.5	81 56 55.8	2, 160
Center of bridge.....	32 00 42.7	81 57 52.1	4, 858
Road fork.....	32 00 20.8	81 58 13.6	2, 889
Mendes, 1,500 feet north of depot, north side of Reidsville-Glenntown road, at northeast corner of road forks, near fence corner; iron post stamped "Prim. Trav. Sta. No. 28, 1918 J. Elev. 181".....	32 00 06.6	81 58 32.4	2, 162

North along highways near west border of quadrangle.

Road fork, Reidsville, Glenntown, and Belleville.....	32 00 20.0	81 58 39.0	1, 459
Road fork.....	32 01 13.0	81 58 39.5	5, 357
Center of creek.....	32 02 05.7	81 58 50.4	5, 412
Bench-mark post at southeast corner of road fork, Elev. 190.....	32 02 22.7	81 58 40.5	1, 927
Center of creek.....	32 03 06.6	81 59 11.3	5, 157
Crossroads.....	32 04 05.1	81 58 56.4	6, 058
Crossroads and county line between Evans and Tattnall; in southeast corner of, iron post stamped "Elev. 188".....	32 04 52.8	81 58 49.2	4, 857
Crossroads.....	32 05 22.9	81 58 44.3	3, 078
South end of bridge over Bull Creek.....	32 06 20.8	81 58 26.8	6, 038
Road fork.....	32 06 59.4	81 58 21.8	3, 935
Northeast corner of crossroads, Claxton to Reidsville and Belleville to Mendes; iron post stamped "Elev. 194".....	32 07 17.7	81 58 20.6	1, 852
Road fork.....	32 08 05.6	81 58 23.4	4, 841
Do.....	32 08 36.2	81 58 29.1	3, 228
Belleville; iron post stamped "185" (previously described).....	32 09 08.0	81 58 29.2	3, 113

Magnetic declination along south border of quadrangle, 0.8° E.; along west border of quadrangle, 0.8° E.

## DANBURG QUADRANGLE.

Near southeast corner of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks.....	33 45 28.2	82 30 14.0	.....

## DARIEN QUADRANGLE.

Along highways in west part of quadrangle. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Center of bridge.....	31 25 35.9	81 29 47.6	.....
Road forks.....	31 25 12.6	81 29 02.5	4,560
Center of bridge.....	31 25 04.6	81 28 23.6	3,474
Road forks.....	31 24 34.4	81 27 29.0	5,695
Bed of old tramway.....	31 24 05.8	81 27 17.8	3,034
Road through gate.....	31 23 50.1	81 27 00.3	2,194
Center of bridge.....	31 23 18.2	81 26 29.7	4,170
Road forks.....	31 22 57.9	81 26 17.4	2,310
Dixie highway crossing.....	31 22 28.3	81 26 02.6	3,256
Darien, 150 feet northwest of courthouse, 30 feet southwest of artesian well in triangle of road; iron post stamped "Prim. Trav. Sta. No. 6 J".....	31 22 12.5	81 26 03.9	1,600

## From Darien south along Georgia Coast &amp; Piedmont R. R.

North end of bridge.....	31 22 02.6	81 26 10.7	1,162
South abutment, iron girder.....	31 21 25.4	81 26 36.7	4,378
South bank of river, at old mill.....	31 21 17.4	81 26 42.3	940
Road crossing island.....	31 20 59.6	81 26 50.7	1,934
Altamaha River, north bank of.....	31 20 19.1	81 27 02.2	4,215
Altamaha River, south bank of.....	31 20 11.9	81 26 59.3	770
North end of steel bridge.....	31 19 44.9	81 26 48.6	2,880
Road crossing.....	31 18 25.1	81 27 43.1	9,342
Do.....	31 17 26.2	81 27 51.9	6,091
Do.....	31 16 23.9	81 28 02.9	6,309
Do.....	31 15 28.3	81 28 08.2	.....

## From Darien northeast along Georgia Coast &amp; Piedmont R. R. to Oakhill.

Road crossing.....	31 23 11.9	81 25 21.7	.....
Spur to sawmill.....	31 23 37.8	81 25 03.3	3,060
Ridge station, center of track opposite.....	31 24 18.8	81 24 29.5	5,066
Road crossing.....	31 24 42.8	81 24 08.0	3,057
Do.....	31 24 58.4	81 23 55.0	1,940
Inwood, road crossing at.....	31 25 16.6	81 23 45.5	2,017
Road crossing.....	31 25 39.9	81 23 41.4	2,375
Do.....	31 26 18.7	81 23 36.7	3,926
Do.....	31 26 29.9	81 23 30.0	1,311
Do.....	31 27 11.1	81 22 36.3	6,175
Hudson road crossing.....	31 27 52.3	81 22 09.1	4,778
Road crossing.....	31 28 47.9	81 21 23.7	6,856
Oak Hill, road crossing.....	31 29 17.8	81 21 33.0	3,120

## DATES QUADRANGLE.

North along Wadley Southern Ry. and public roads. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Second-class road crossing.....	32 30 13.6	82 15 29.3	.....
Road crossing.....	32 30 38.7	82 15 47.3	2,961
Do.....	32 30 52.6	82 16 23.3	3,391
McLeod station, about 320 feet west of, 20 feet north of center of track, in line with road leading N. 190° E.; iron post stamped "Prim. Trav. Sta. No. 132"; azimuth to milepost 27 about 3,300 feet distant is 300° 00' 30".....			
	32 31 07.1	82 16 53.3	2,955
Forks of road.....	32 31 38.9	82 16 43.1	3,326
Second-class crossroad.....	32 32 00.2	82 16 28.8	2,474
Forks of road.....	32 32 53.8	82 16 29.2	5,420
Do.....	32 33 39.7	82 16 12.9	4,850
Crossroad.....	32 34 13.7	82 16 19.5	3,474
See Garfield quadrangle for intermediate points.			
T road north.....	32 44 08.2	82 15 37.6	.....
Summertown, 0.5 mile east of, at end of street which runs south-east from station, 4 feet from fence, on east side of road; iron post stamped "Prim. Trav. Sta. No. 30, 1918 H"; 450 feet north is nail in hub on east side of road, azimuth 210° 55' 30"; 207.6 feet west is nail in hub on south side of road azimuth 114° 23' 20".....			
	32 44 35.2	82 16 11.1	3,959
Summertown, second-class crossroad 1.5 miles southeast of.....	32 44 02.5	82 15 24.5	5,173

## Southwest along Georgia &amp; Florida Ry.

Road crossing.....	32 44 12.0	82 16 52.3	4,231
Second-class road crossing.....	32 43 14.9	82 17 19.1	6,212
Public-road crossing.....	32 42 39.8	82 17 35.5	3,810
Public-road crossing at Blum station.....	32 42 04.8	82 17 51.9	3,810
Public-road crossing.....	32 41 28.0	82 18 05.1	3,885
Road crossing.....	32 40 28.6	82 18 23.2	6,200
Road crossing at Modoc station.....	32 39 20.6	82 18 36.6	6,963
Second-class road crossing.....	32 37 56.1	82 19 02.9	8,827
Public-road crossing.....	32 37 19.0	82 19 13.1	3,855
Swainsboro, 88 feet N. 40° E. from crossing of Georgia & Florida and Wadley Southern railroads, opposite water tank, 20 feet S. 60° W. from milepost 178; iron post stamped "Prim. Trav. Sta. No. 134, 1918 Mac."; azimuth to knob in hand of figure of "Justice" on courthouse is 102° 31' 15".....			
	32 35 46.2	82 19 53.0	4,980
Milepost 177.....	32 34 56.5	82 20 03.3	5,096
Road crossing at spur siding.....	32 34 23.2	82 20 07.7	3,380
Public-road crossing.....	32 33 13.7	82 20 23.3	7,150
Road crossing.....	32 32 21.4	82 20 17.6	5,307
Do.....	32 31 27.2	82 20 11.2	5,491
Public-road crossing.....	32 30 40.5	82 20 05.8	4,736

## Northwest along Wadley Southern Ry.

Swainsboro; iron post marked "134".....	32 35 46.2	82 19 53.0	.....
Public-road crossing.....	32 36 32.9	82 20 15.1	5,090
Do.....	32 37 22.2	82 20 40.8	5,442
Second-class road crossing.....	32 38 00.2	82 20 45.3	3,855
Public-road crossing.....	32 39 18.7	82 21 25.2	8,633
Dellwood, road crossing.....	32 40 06.0	82 21 59.5	5,616
Second-class road crossing.....	32 41 10.6	82 22 22.2	6,805
Blundale, "Prim. Trav. Sta. No. 29, H".....	32 42 57.3	82 23 30.2	12,260

Magnetic declination for northwest and north parts of quadrangle, 1.0° E.; for southwest part of quadrangle, 0.9° E.

Along highways near north border of quadrangle. (By G. T. Hawkins in 1918.)

Ennis, 1 mile northwest of, Mr. John Brown's mail box.....	32 44 51.8	82 28 06.4	.....
Ennis, railroad crossing north of station.....	32 43 52.1	82 27 31.3	6,743
T road south (new road).....	32 43 23.4	82 26 40.9	5,193
People's Store, crossroads at.....	32 43 02.0	82 26 08.9	3,490
Crossroads, 160 feet west to three mail boxes.....	32 43 07.9	82 24 59.6	5,953
Blundale, 2 miles south of, in northwest corner of crossroads, 40 feet east of three mail boxes, 100 feet northeast of cabin; iron post stamped "Prim. Trav. Sta. No. 29, 1918 H"; 1,100 feet east to nail in hub on south side of road, azimuth 269° 42' 45"; 300 feet west to nail in hub on north side of road, azimuth 82° 10' 50".....			
	32 42 57.3	82 23 30.2	7,719

## DATES QUADRANGLE—Continued.

Along highways near north border of quadrangle. (By G. T. Hawkins in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Forks of road at house.....	32 42 59.9	82 22 50.6	3,390
Crossroads, 30 feet southwest to three mail boxes.....	32 43 26.0	82 21 39.0	6,667
Crossroads, 40 feet north to two mail boxes.....	32 43 32.5	82 20 52.0	4,061
Second-class crossroads, 20 feet southeast to corner of wire fence..	32 44 16.3	82 20 18.6	5,271
Road opposite schoolhouse, on north side of road.....	32 44 59.8	82 19 39.6	5,512

Southwest along railroad and highways near west border of quadrangle. (By E. L. McNair in 1918.)

Minton Church and schoolhouse, crossroads.....	32 43 57.8	82 28 47.3	.....
Crossing of Wadley Southern Ry.....	32 43 10.2	82 28 42.0	4,822
Tom station, 500 feet north of, public-road crossing.....	32 42 33.3	82 29 19.0	4,886
Angle in road, top of hill, directly in front of yard gate at residence.	32 37 36.5	82 29 32.4	.....
Fork of road.....	32 37 19.5	82 28 47.7	4,193
Lamb's schoolhouse, 300 feet east of, about 9 miles southwest of Swainsboro, 40 feet north and 12 feet west of crossroads; iron post stamped "Prim. Trav. Sta. No. 135, 1918 Mac.," azimuth to center of top of J. I. Kersey monument in cemetery, 615 feet distant, 305° 48' 55".....	32 36 59.0	82 27 58.6	4,685

East along highways near center of quadrangle.

Fork of road, settlement road north.....	32 36 43.1	82 27 04.5	4,898
Ochopee Creek, center of.....	32 36 14.4	82 25 53.6	6,725
Fork of road.....	32 36 01.3	82 25 10.6	3,910
Crossroads.....	32 35 31.5	82 24 14.4	5,682
Road fork, in line three ways.....	32 34 43.8	82 23 20.5	6,675
Road fork.....	32 34 46.6	82 23 01.1	1,681
Center of creek, bridge over.....	32 35 09.2	82 22 08.3	5,071
T road south.....	32 35 32.5	82 20 37.5	8,116
Swainsboro, Prim. Trav. Sta. No. 134, Mac. (previously described)	32 35 46.2	82 19 53.0	4,055

Magnetic declination along west border of quadrangle, 50' E.; through center of quadrangle, 1° 09' E.

## DAVISBORO QUADRANGLE.

Along Central of Georgia Ry. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 54 46.2	82 30 03.3	.....
Milepost A179.....	32 55 38.1	82 30 31.7	5,787
Milepost A177.....	32 56 46.1	82 31 58.8	10,123
Jefferson-Washington county line post, center of track.....	32 56 50.8	82 32 20.9	1,945
Road crossing.....	32 57 02.6	82 33 17.1	4,935
Center of creek crossing.....	32 57 08.3	82 33 44.5	2,411
Center of concrete pier at creek crossing.....	32 57 24.0	82 34 33.3	4,456
Milepost A174.....	32 57 34.8	82 34 54.3	2,098
Milepost A173.....	32 58 07.1	82 35 43.2	5,296
Davisboro station, 100 feet east of, 30 feet southeast of center of Main Street, 15 feet northeast of center of main track, 6 feet east of milepost A172; iron post stamped "Prim. Trav. Sta. No. 137, 1918 Mac.," azimuth to northeast corner of brick warehouse along side of track, 319° 48' 50"; to southeast corner of brick station building, 78° 20' 35".....	32 58 40.0	82 36 31.9	5,322
Center of creek crossing.....	32 59 04.6	82 37 08.6	4,000
Do.....	32 59 06.7	82 37 52.8	3,770
Road crossing.....	32 58 54.0	82 38 21.6	2,781
Milepost A169.....	32 58 31.6	82 39 12.2	4,865
Milepost A168.....	32 58 07.3	82 40 07.5	5,315
Road crossing.....	32 57 50.7	82 40 44.9	3,600
Milepost A166.....	32 57 18.6	82 41 57.6	6,995
Second-class road crossing near milepost A165.....	32 57 02.7	82 42 55.0	6,156
Sunhill station, 500 feet west of road crossing at, 25 feet north of center of main track, on bank, 380 feet east of milepost A164; iron post stamped "Prim. Trav. Sta. No. 138, 1918 Mac.," azimuth to southwest corner of small brick building 550 feet distant, 283° 06' 40".....	32 57 05.3	82 43 53.2	4,975
Milepost A163.....	32 56 44.6	82 44 51.3	5,376

## DAVISBORO QUADRANGLE—Continued.

West along highways near center of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Center of bridge at creek crossing.....	32 52 52.6	82 30 11.8	.....
Road forks.....	32 52 53.0	82 31 09.0	4,883
Road forks, opposite fence corner on south side of road.....	32 52 21.4	82 32 22.4	7,034
Public-road crossing.....	32 52 12.8	82 33 15.9	4,647
Small bridge near church.....	32 51 48.6	82 33 58.1	4,352
Second-class T road south.....	32 51 21.1	82 34 22.2	3,462
Bartow, 8.5 miles west of, at Pleasant Spring Church, 115 feet S. 30° W. from southwest corner of church, 50 feet east of main public road; iron post stamped "Prim. Trav. Sta. No. 144, 1918 Mac."; azimuth to right edge of Nancy D. Frost monument in graveyard, 185 feet distant, 262° 25' 24"; azimuth to left edge of brick chimney on negro house 1,000 feet distant, 182° 05' 47".....			
	32 50 18.4	82 35 44.2	9,445
Crossroads.....	32 50 07.5	82 36 24.8	3,034
Little Ochopee River, bridge over.....	32 49 30.4	82 37 22.9	6,217
T road south.....	32 49 19.1	82 37 40.6	1,900
Road forks.....	32 49 02.1	82 38 19.9	3,773
Road forks, point is 15 feet south of small road bridge.....	32 48 52.9	82 39 12.3	4,567
Center of road at milestone 3.....	32 49 18.4	82 40 28.5	7,005
Crossroads at W. H. Bebingfield's store.....	32 49 20.8	82 41 09.8	3,535
Road forks.....	32 49 25.9	82 42 52.3	8,766
Harrison; iron post stamped "Prim. Trav. Sta. No. 140 Mac.".....	32 49 33.0	82 43 32.9	3,541

Magnetic declination for center of quadrangle, 1° 09' E.

South along Wrightsville &amp; Tennille R. R.

Road crossing, second class.....	32 51 38.8	82 44 56.9	.....
Road crossing.....	32 51 02.9	82 44 43.0	3,820
Milepost T 8.....	32 50 35.8	82 44 22.5	3,249
Road crossing, second class.....	32 50 03.5	82 43 47.1	4,449
Harrison station, 170 feet south of, 15 feet east of center of track, 20 feet south of main street crossing railway, 55 feet west of corner of brick building and in line with front wall of brick stores on south side of street; iron post set flush with surface of ground, stamped "Prim. Trav. Sta. No. 140, 1918 Mac.," azimuth to Christian Church tower, 59° 30' 30".....			
	32 49 33.0	82 43 32.9	3,312
Road crossing, second class.....	32 49 04.9	82 43 16.8	3,154
Road crossing.....	32 48 09.1	82 43 06.6	5,712
Road crossing, second class.....	32 47 37.6	82 43 08.8	3,190
Washington-Johnson county line, center of track.....	32 47 05.3	82 42 52.6	3,539
Donovan flag station, about 40 feet north of, public-road crossing..	32 46 27.8	82 42 40.9	3,929
Intersection of railway tangent; angle, 8° 30'.....	32 45 50.2	82 43 01.0	4,160

Magnetic declination for south border of quadrangle, 1° 43' E.

East along highways near southeast corner of quadrangle.

Forks of road.....	32 45 02.6	82 30 57.5	.....
Forks of road, 27 feet northwest to mail box.....	32 46 07.3	82 30 54.8	6,540
Angle of 63° in road, center line both ways.....	32 45 29.8	82 30 38.1	4,053

Magnetic declination for southwest part of quadrangle, 1° 08' E.

## DEARING QUADRANGLE.

Along highways near east border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Little Uchee Creek, 0.3 mile north of, T road east.....	33 29 26.0	82 16 29.3	.....
Grovetown, 4 miles northwest of, at crossroads of Wrightsboro and old Louisville and Appling roads, 300 feet northeast to large house, 40 feet southeast to intersection of roads; iron post stamped "Prim. Trav. Sta. No. 14, 1918 H.," 1,720 feet south to nail in hub on west side of road; azimuth, 8° 32' 00"; 425 feet east to nail in hub on north side of road; azimuth, 277° 37' 00".....			
	33 28 27.6	82 15 46.2	.....
Negro church, T road west at.....	33 28 02.0	82 15 49.0	2,585
Negro Central School, crossroads at.....	33 26 37.5	82 15 23.3	8,821
Negro church at east side of road, opposite.....	33 24 58.6	82 15 15.6	10,020
Berzelia, railroad crossing at.....	33 24 23.5	82 15 07.0	3,621

## DEARING QUADRANGLE—Continued.

## Along highways near north border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Central School, forks of road at.....	33 28 34.9	82 16 53.8	.....
Gln, T road north at, 40 feet south to tank.....	33 28 45.3	82 18 13.2	6, 807
Large house on south side of road, at entrance.....	33 28 07.0	82 18 31.9	7, 021
C. B. Boe's house, three corners at.....	33 29 19.3	82 20 56.7	7, 296
Grovetown, 11 miles northwest of, at crossroads near sawmill, 20 feet southeast to crossroads, 300 feet northeast to sawmill, 150 feet southeast to bridge; iron post stamped "Prim. Trav. Sta. No. 17, 1918 H"; 640 feet west to nail in hub on south side of road, azimuth, 100° 29' 30"; 311 feet southeast to nail in hub on south side of road azimuth, 302° 38' 50".....	33 29 27.5	82 21 30.5	2, 977
Schoolhouse on north side of road, road opposite.....	33 29 55.3	82 22 41.8	6, 662
White house, second-class road southeast at.....	33 29 32.6	82 24 15.6	.....
F. C. Stones's house, three corners at.....	33 28 49.3	82 25 35.0	8, 052
Road north, 30 feet northwest to green mail box.....	33 28 54.2	82 26 31.3	4, 792
Negro church and schoolhouse, entrance to.....	33 28 41.1	82 27 09.5	3, 501
Driveway to house, four rows of trees, road opposite.....	33 28 33.1	82 28 21.2	6, 135
Thomson, 1 mile northeast of, on south side of road, in front of brick house owned by H. C. Clary; on bank; iron post stamped "Prim. Trav. Sta. No. 18, 1918 H"; 600 feet southwest, nail in hub, on south side of road, azimuth, 70° 54' 10"; 1,075 feet northeast, nail in hub, on north side of road, azimuth, 245° 45' 4".....	33 28 10.0	82 29 16.3	5, 218

## Along highways near west border of quadrangle.

Thomson, 1.5 miles south of, second-class road west, 50 feet north-west to yellow house.....	33 26 47.8	82 29 40.6	.....
Crossroads, 80 feet northeast to house, 400 feet south to church.....	33 26 09.0	82 29 14.0	4, 523
T road north, 40 feet south to house.....	33 24 50.8	82 29 05.5	7, 942
Forks of road to west, 20 feet north to five mail boxes.....	33 24 03.2	82 28 58.6	4, 848
Negro house, road opposite, 20 feet east to mail box numbered 30.....	33 22 59.6	82 28 23.7	7, 071
Hubb's Mill, 100 feet southwest of, on north side of road, 20 feet northeast of north end of bridge; iron post stamped "Prim. Trav. Sta. No. 19, 1918 H"; 640 feet southeast, nail in hub, on south side of road, azimuth, 306° 11' 00"; 148 feet southwest, nail in hub, on south side of road, azimuth, 50° 49' 50".....	33 22 06.2	82 27 55.5	5, 911

## Along highways through center of quadrangle.

New house, on south side of road, 20 feet south to mail box 82.....	33 21 50.3	82 26 53.0	5, 541
Small store, road opposite.....	33 21 25.4	82 25 58.9	5, 229
Three corners at negro church.....	33 20 58.0	82 25 25.6	3, 954
Mill, three corners west of, 70 feet southwest to well.....	33 20 36.3	82 24 53.6	3, 490
Second-class fork to southwest.....	33 20 17.6	82 23 53.1	5, 465
R. L. Luckie's house, road opposite.....	33 19 50.2	82 23 12.8	4, 398
Crossroads, 100 feet northeast to house.....	33 19 34.8	82 22 23.6	4, 453
Crossroads, 20 feet south to mail boxes 46 and 47.....	33 20 15.5	82 21 25.9	6, 395
Avalon, 2 miles west of, on south side of road, 100 feet southwest of T road north, 2 feet south of telephone pole; iron post stamped "Prim. Trav. Sta. No. 20, 1918 H"; 620 feet northeast is nail in hub on north side of road, azimuth, 211° 25' 50"; 657 feet southwest is nail in hub on south side of road, azimuth, 30° 13' 00".....	33 20 42.9	82 21 02.6	3, 400
Avalon, four corners at.....	33 21 19.1	82 19 34.7	8, 300
Second-class crossroads.....	33 21 09.0	82 18 20.0	6, 414
Bridge at mill.....	33 21 03.0	82 17 27.3	4, 510
Crossroads, 300 feet northeast to house.....	33 21 20.3	82 16 33.6	4, 883
Bridge at mill.....	33 21 57.2	82 15 11.6	7, 893
Berzella, iron post stamped "Prim. Trav. Sta. No. 15, 1918 H" (described in Hephzibah quadrangle).....	33 22 44.8	82 13 45.6	8, 733

## Along highways near west border of quadrangle.

Crossroads, 40 feet northeast to three mail boxes.....	33 21 17.2	82 29 33.0	.....
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## DEARING QUADRANGLE—Continued.

Along highways near south border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Railroad crossing, 200 feet southwest to house.....	33 15 21.2	82 29 02.3	.....
Steep Hollow schoolhouse, crossroads.....	33 15 38.0	82 28 44.0	2,302
Forks of road to northeast, 40 feet east to two mail boxes.....	33 15 09.2	82 27 44.2	5,842

Magnetic declination for north border of quadrangle, 1° 12' E.; for west border of quadrangle, 1° 20' E.; for east border of quadrangle, 0° 49' E.; for south border of quadrangle, 1° 16' E.

Along highways. (By O. B. Walsh in 1918.)

Crossroads, at center of north and south road, 10 feet north of center line of east and west road, 23.2 feet west of mail box.....	33 15 37.32	82 26 33.16	.....
Crossroads.....	33 15 48.94	82 26 02.19	2,877
Cedar Grove schoolhouse, 4 feet north of.....	33 15 56.35	82 25 48.93	1,349
Crossroads in front of J. L. Wren's house, 5 miles southwest of town of Wren.....	33 16 06.12	82 25 15.42	3,009
At road intersection, on east edge of main road, near water mill, 8 feet out from blazed oak tree; hub.....	33 16 34.83	82 23 16.80	10,478
Crossroads.....	33 16 52.49	82 23 03.31	2,119
Second-class road south.....	33 17 03.11	82 22 35.53	2,589
Road crossing in grass triangle, 15 feet south of Isaac Lewis's mail box; hub.....	33 17 24.93	82 22 00.98	3,667
Crossroads.....	33 17 18.82	82 20 59.04	5,292
Center of triangle at road crossing, 20 feet southeast of center line of both roads.....	33 16 46.36	82 18 46.71	11,703
Center of most southerly bridge over Brier Creek Swamp, Richmond-Jefferson county line.....	33 16 35.56	82 17 47.30	5,159
T road north, 22 feet northwest of W. H. Parker's mail box.....	33 17 31.73	82 16 42.70	7,892
North edge of main road at T road north.....	33 17 39.10	82 16 05.94	3,205
Center line of road, 10 feet south of, at gate leading to McNair schoolhouse.....	33 17 49.38	82 15 28.57	3,335
Center of wooden bridge.....	33 17 57.63	82 15 12.60	1,588

## EGYPT QUADRANGLE.

South along Seaboard Air Line Ry. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Clyo station, about 75 feet north of, 50 feet east of track; azimuth to cross on Lutheran Church spire, 220° 49' 00"; iron post stamped "Prim. Trav. Sta. No. 81, 1917".....	32 29 02.6	81 16 02.9	.....
Public-road crossing.....	32 28 44.3	81 16 00.5	1,869
Road crossing.....	32 27 51.2	81 15 52.0	5,415
Do.....	32 26 22.5	81 15 37.7	9,045
Berry's span, road crossing, 200 feet south of switch stand.....	32 25 42.9	81 15 31.3	4,045
Road crossing.....	32 24 41.3	81 15 21.4	6,285
Do.....	32 24 13.8	81 15 16.9	2,805
Do.....	32 23 29.1	81 15 09.7	4,560
Second-class road crossing.....	32 23 00.4	81 15 05.0	2,925
Stillwell station, opposite south end of, 40 feet east of center of track, 25 feet north of public-road crossing; iron post stamped "Prim. Trav. Sta. No. 82, 1917 Mac.".....	32 22 40.5	81 15 01.3	2,039

Northwest along Savannah &amp; Atlanta Ry. (By Oscar Jones in 1918.)

Road crossing.....	32 15 23.0	81 15 06.7	.....
Center of trestle.....	32 16 11.1	81 15 32.1	5,330
Blanford, road crossing.....	32 16 42.7	81 15 48.9	3,510
Road crossing.....	32 17 03.7	81 16 00.0	2,320
Do.....	32 17 26.0	81 16 11.8	2,470
Road crossing, at sawmill.....	32 18 14.1	81 16 37.2	5,330
Road crossing.....	32 18 48.6	81 16 55.5	3,830
Do.....	32 19 10.7	81 17 07.1	2,440
Do.....	32 19 41.4	81 17 23.4	3,410

## EGYPT QUADRANGLE—Continued.

Northwest along Savannah &amp; Atlanta Ry. (By Oscar Jones in 1918.)—Continued.

Station:	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 20 14.1	81 17 40.7	3,620
Do.....	32 21 04.4	81 18 07.2	5,570
Springfield, 10 feet west of track, 6.5 feet south of crossing sign, 70 feet northwest of depot; iron post stamped "Prim. Trav. Sta. No. 7, 1918 J".....	32 22 00.6	81 18 38.5	6,281
Trestle, north end.....	32 22 30.7	81 19 07.0	3,900
Road crossing.....	32 23 03.0	81 19 37.8	4,200
Do.....	32 23 32.7	81 20 06.1	3,860
Do.....	32 24 25.2	81 20 56.4	6,840
Do.....	32 24 48.7	81 21 18.8	3,050
Trestle, north end of.....	32 25 23.7	81 21 52.1	4,550
Road crossing.....	32 25 29.9	81 21 57.9	800
Do.....	32 26 17.2	81 22 37.6	5,870
Do.....	32 26 38.9	81 22 55.8	2,690
Road crossing at school.....	32 27 05.0	81 23 17.7	3,240
Road crossing.....	32 27 38.3	81 23 45.7	4,130
Shawnee station, 200 feet north of, 30 feet east of track; iron post stamped "Prim. Trav. Sta. No. 8, 1918 J".....	32 28 36.6	81 24 34.4	7,222
Road crossing.....	32 29 00.6	81 24 54.8	2,988
Trestle, north end of.....	32 29 20.3	81 25 11.3	2,440
Ardmore, road crossing at.....	32 29 53.5	81 25 39.2	4,120

## Southeast along highways in northeast corner of quadrangle.

Road fork.....	32 29 59.0	81 16 47.7	.....
Do.....	32 29 42.5	81 16 37.6	1,880
Clyo, "Prim. Trav. Sta. No. 81 Mac." (previously described).....	32 29 02.6	81 16 02.9	5,000

## Northwest along Central of Georgia Ry.

Center of trestle 24.9.....	32 15 18.9	81 23 28.0	.....
Marlow, road crossing.....	32 16 15.0	81 23 29.0	5,670
Pineola station, 29 feet east of intersection of Central of Georgia and Midland railroads; iron post stamped "Prim. Trav. Sta. No. 3, J 1918".....	32 17 11.5	81 23 29.6	5,714
Road crossing.....	32 18 42.2	81 23 31.5	9,170
Do.....	32 19 08.3	81 23 31.9	2,630
Guyton station, opposite semaphore, center of track.....	32 19 56.5	81 23 37.3	4,894
Road crossing.....	32 20 32.3	81 23 57.6	4,012
Do.....	32 20 58.2	81 24 14.0	2,980
Do.....	32 21 31.6	81 24 35.1	3,830
Do.....	32 21 54.2	81 24 49.3	2,580
Do.....	32 22 29.0	81 25 11.3	3,990
Do.....	32 23 03.0	81 25 32.8	3,900
Tusculum, road crossing.....	32 23 34.4	81 25 52.7	3,600
Road crossing.....	32 24 19.4	81 26 21.2	5,170
Do.....	32 24 52.0	81 26 41.9	3,740
Do.....	32 25 27.2	81 27 04.2	4,040
Do.....	32 25 43.4	81 27 14.4	1,850
Do.....	32 26 16.2	81 27 35.2	3,770
Do.....	32 27 07.1	81 28 07.5	5,840
Egypt station, 380 feet north of, 35 feet east of track; iron post stamped "Prim. Trav. Sta. No. 4, 1918 J".....	32 27 45.6	81 28 31.5	4,397
Road crossing.....	32 28 17.5	81 28 52.2	3,684
Do.....	32 29 11.2	81 29 26.2	6,160
Do.....	32 29 41.2	81 29 45.2	3,440

Magnetic declination along Central of Georgia Ry. (2 observations only), 0.2' E.

Northwest along Savannah &amp; Statesboro Ry. in southwest corner of quadrangle. (By Oscar Jones in 1918.)

Olney, road crossing at.....	32 15 25.8	81 27 42.5	.....
Road crossing.....	32 16 07.5	81 28 07.8	4,740
Do.....	32 16 25.6	81 28 18.8	2,060
Ivanhoe, road crossing at.....	32 17 02.1	81 28 40.9	4,140
Road crossing.....	32 17 55.8	81 29 13.4	6,100
Hubert, road crossing at.....	32 18 22.8	81 29 29.8	3,070



**EULONIA QUADRANGLE.**

**From Crescent northwest along Georgia Coast & Piedmont R. R. to Darien Junction. (By Oscar Jones in 1917.)**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	31 30 22.2	81 21 55.9	.....
Crescent, road crossing.....	31 30 33.2	81 22 15.2	2,080
Road crossing.....	31 30 21.8	81 23 06.5	4,590
Do.....	31 30 24.1	81 23 38.7	2,805
Do.....	31 30 50.3	81 24 42.5	6,121
Do.....	31 31 12.4	81 25 22.0	4,080
Eulonia, road crossing.....	31 31 50.1	81 25 42.8	4,220
Road crossing.....	31 32 21.4	81 26 14.5	4,188
Spur.....	31 32 33.0	81 26 25.2	1,496
Road crossing.....	31 32 58.4	81 27 10.6	4,690
Center of small trestle.....	31 33 24.3	81 27 51.6	4,404
Do.....	31 34 41.4	81 29 01.1	9,840
Do.....	31 35 14.7	81 29 31.1	4,260
Road crossing.....	31 35 23.1	81 29 42.2	1,280
Warsaw (Darien Junction) crossing of Seaboard Air Line and Georgia, Coast & Piedmont railroads.....	31 35 28.4	81 30 00.7	1,688

**Along Seaboard Air Line Ry. (By E. L. McNair in 1917.)**

Log road of Southern Timber Co. crossing railroad.....	31 44 31.4	81 25 48.2	.....
Riceboro station, 1,075 feet north of, public-road crossing.....	31 44 07.4	81 25 59.3	2,606
Riceboro, switchstand at south end of siding.....	31 43 35.3	81 26 14.2	3,496
Riceboro station, 2.50 miles south of, public-road crossing.....	31 42 21.4	81 26 48.6	8,030
Road crossing, at switchstand, at turnout to lumber mill.....	31 40 47.0	81 27 32.6	10,273
Private-road crossing.....	31 39 53.3	81 27 57.4	5,828
Second-class road crossing.....	31 39 29.8	81 28 08.3	2,555
Milepost 100, center of track opposite.....	31 38 50.3	81 28 26.7	4,295
Jones station, road crossing at.....	31 38 01.0	81 28 49.6	5,360
Milepost 98, center of track at.....	31 37 13.1	81 29 11.9	5,211
Brick yard, switch stand at spur to.....	31 36 43.7	81 29 25.6	3,200

Magnetic declination for quadrangle, 0° 15' E.

**EVERETT QUADRANGLE.**

**From Sterling northwest along Southern Ry. to Everett, thence south along Seaboard Air Line Ry. to Thalmann. (By Oscar Jones in 1917.)**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Second-class road crossing.....	31 15 14.6	81 31 58.9	.....
Sterling, 150 feet south of station, road crossing.....	31 16 09.6	81 32 41.8	6,690
Road crossing.....	31 16 52.7	81 33 15.3	5,230
Do.....	31 17 52.9	81 34 02.2	7,319
Zuta, 240 feet south of station, road crossing.....	31 18 54.6	81 34 50.3	7,600
Sawmill, road crossing opposite.....	31 20 12.3	81 35 50.9	9,450
Center of trestle.....	31 20 48.0	81 36 18.6	4,330
Bellevista, road crossing.....	31 21 35.5	81 36 55.7	5,780
Center of trestle.....	31 22 21.2	81 37 31.4	5,560
Do.....	31 22 46.2	81 37 50.8	3,030
Everett, iron post stamped "Prim. Trav. Sta. No. 2, Elev. 16, 1917".....	31 23 29.8	81 38 25.0	5,308
Center of trestle.....	31 21 38.2	81 39 27.1	12,500
Do.....	31 21 01.0	81 39 59.9	4,702
Do.....	31 20 20.3	81 40 35.8	5,160
Road crossing.....	31 19 38.9	81 40 54.3	5,160
Do.....	31 19 38.9	81 40 54.3	4,485
Center of trestle.....	81 18 44.6	81 41 07.8	5,609
Thalmann, crossing of Seaboard Air Line and Atlanta, Birming- ham & Atlantic railroads.....	31 17 37.1	81 41 24.5	6,964

## EVERETT QUADRANGLE—Continued.

From Everett northwest along Southern Ry. to northwest corner of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	31 24 13.1	81 38 58.6	5,260
Center of trestle.....	31 24 41.6	81 39 20.8	3,460
Road crossing.....	31 25 04.7	81 39 38.2	2,810
Tramway crossing.....	31 25 48.5	81 40 27.2	6,094
Mount Pleasant, road crossing.....	31 26 04.1	81 40 45.0	2,200
Road crossing.....	31 26 29.4	81 41 14.0	3,590
Do.....	31 27 02.7	81 41 52.2	4,720
Do.....	31 27 22.4	81 42 14.7	2,780
Center of trestle.....	31 27 56.3	81 42 53.5	4,800
Grangerville, opposite signpost, center of track.....	31 28 59.6	81 44 06.1	8,970
Road crossing.....	31 29 25.0	81 44 35.4	3,610

Along highways in northwest part of quadrangle.

Crossroads.....	31 28 22.3	81 44 24.6	.....
Road forks.....	31 27 41.6	81 44 32.6	4,167
Milepost 15.....	31 26 36.9	81 44 48.2	6,680

Along Atlanta, Birmingham &amp; Atlantic R. R. to Thalmann, thence south on Seaboard Air Line Ry. to Bladen.

Road crossing.....	31 15 23.7	81 33 11.0	.....
Dixie highway crossing.....	31 15 36.2	81 33 29.7	2,060
Center of trestle.....	31 16 04.3	81 34 31.1	6,042
Center of trestle, 160 feet east of milepost 14.....	31 15 57.8	81 34 59.8	2,572
West abutment of trestle.....	31 15 47.3	81 35 34.6	3,201
Dixie highway crossing.....	31 15 41.6	81 35 50.3	1,484
Road crossing, at water tank.....	31 15 24.0	81 36 46.6	5,203
Road crossing.....	31 15 33.2	81 37 11.6	2,361
Center of culvert.....	31 16 26.7	81 39 00.8	10,910
Road crossing.....	31 16 52.5	81 39 53.3	5,251
Thalmann, crossing of Atlanta, Birmingham & Atlantic and Seaboard Air Line railroads, center of track.....	31 17 37.1	81 41 24.5	9,114
Thalmann, 58 feet northwest from above crossing; iron post stamped "Prim. Trav. Sta. No. 3, 1917".....	31 17 37.63	81 41 24.8	58
Thalmann, 1.7 miles southwest of, center of trestle.....	31 16 06.8	81 41 46.9	9,328
Road crossing.....	31 15 26.2	81 41 57.0	4,200

From Thalmann west along Atlanta, Birmingham &amp; Atlantic R. R.

Tramway crossing.....	31 17 55.3	81 42 01.8	.....
Road crossing.....	31 18 31.5	81 43 15.7	7,380
Glynn-Wayne county line, road crossing.....	31 18 51.4	81 43 58.9	4,249

From Everett northeast along Seaboard Air Line Ry.

Everett bench-mark post 2 (previously described).....	31 23 29.8	81 38 25.0	.....
Center of trestle.....	31 24 05.1	81 38 04.9	3,966
Road crossing.....	31 24 31.0	81 37 42.4	3,260
Do.....	31 25 21.0	81 36 58.6	6,317
South abutment of trestle.....	31 25 29.1	81 36 43.7	1,520
Altamaha River, south end of steel draw span.....	31 25 35.6	81 36 20.7	2,100
North abutment of long trestle.....	31 26 01.4	81 35 34.0	4,812
South end of switch.....	31 26 58.7	81 34 15.8	8,910
Station 637, at junction of line to Darien.....	31 27 18.0	81 33 50.0	2,960
Cox, road crossing.....	31 27 18.8	81 33 49.2	100
Road crossing.....	31 28 18.0	81 33 20.7	.....
North abutment of trestle.....	31 28 45.4	81 33 08.0	2,980
Center of small trestle.....	31 29 34.1	81 32 45.4	5,290

From Cox southeast along highways.

Road forks at box 33.....	31 26 55.7	81 32 58.4	.....
Road forks at school.....	31 26 24.4	81 32 00.5	5,928
Road forks at boxes 37 and 38.....	31 26 26.4	81 31 23.7	3,200
Second-class road forks.....	31 26 02.0	81 30 23.7	5,752

## FOLKSTON QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
St. Mary's River, center of steel truss bridge over, State line between Florida and Georgia.....	30 47 22.4	82 00 07.4	Feet.
Public-road crossing, center of double-track roadbed.....	30 48 52.2	82 00 11.6	9,077
Folkston siding, south end of, between tracks.....	30 49 22.5	82 00 20.8	3,161
Folkston, opposite railroad station, 40 feet east of center of tracks, 60 feet north of street, 8 feet north of telephone pole; iron post with cap, "U. S. C. & G. S. b. m. Q <sub>4</sub> "; azimuth to top of most easterly one of four semaphores on overhead truss about 1,150 feet north of post, 163° 57' 15".....	30 49 52.4	82 00 29.3	3,112
Milepost "Port Tampa 290," east rail opposite.....	30 50 22.8	82 00 38.9	3,184
Public-road crossing, east rail.....	30 51 15.5	82 00 54.9	5,500
Public-road crossing.....	30 51 42.9	82 01 03.0	2,854
Burch tower, 0.25 mile south of, at south end of siding, east rail.....	30 52 43.8	82 01 07.9	6,169
Burch siding, switchstand at north end of, east rail.....	30 53 16.6	82 01 10.2	3,315
Road crossing, east rail.....	30 54 04.4	82 01 13.7	4,844
Milepost "Port Tampa 295," east rail opposite.....	30 54 41.3	82 01 16.4	3,730
Newell siding, at switchstand at south end of east rail.....	30 55 55.1	82 01 21.7	7,470
Newell (flag station), 70 feet east of, center of track, 40 feet south of road crossing track, on bank on west side of ditch; iron post stamped "Prim. Trav. Sta. No. 5, 1917, Mac."; azimuth to switchstand about 3,300 feet south of post, 357° 46' 15".....	30 56 27.5	82 01 23.3	3,276
Road crossing, east rail at.....	30 57 01.9	82 01 26.5	3,489
Do.....	30 57 58.1	82 01 30.6	5,685
Do.....	30 58 21.6	82 01 32.3	2,385
Do.....	30 59 46.8	82 01 38.5	8,620

Magnetic declination for line, 1° 18' E.

From Folkston southwest along highways to center of south border of quadrangle. (Single spur line by E. L. McNair in 1917.) (Positions unreliable.)

Folkston, U. S. C. & G. S. b. m. (described in preceding list).....	30 49 52.4	82 00 29.3	.....
Road forks.....	30 49 11.0	82 01 11.2	5,558
T road west to Mattox settlement.....	30 48 14.6	82 01 55.9	6,895
Second-class crossroads.....	30 48 26.4	82 02 45.5	4,488
Road forks, at farm house, 6 feet from picket fence.....	30 48 27.9	82 03 27.7	3,682
Crossroads at F. M. Roddenberry's mail box, near corner of fenced field.....	30 48 36.2	82 04 10.7	3,841
T road east, near road forks northwest.....	30 48 00.6	82 04 12.2	3,604
Angle in road.....	30 47 45.4	82 04 07.9	1,672
Second-class crossroads.....	30 46 47.4	82 04 29.3	6,152
Altman's, C. J., house, at corner of picket fence, center of road.....	30 46 21.8	82 04 48.3	3,074
Camp Cornelia, opposite last house on road into, 20 feet northwest of road track, about 250 feet northeast of small fenced field near road fork, in root of pine tree 3 feet north of trunk; nail.....	30 45 53.6	82 05 05.1	3,204
Abandoned tram road crossing.....	30 45 37.0	82 05 26.7	2,522
Tram road grade crossing on old dim road.....	30 45 05.9	82 06 32.7	6,566

Along highways in southwest part of quadrangle. (Single spur line by E. L. McNair in 1917. Positions unreliable.)

Canal, north bank, in root of double cypress tree close to water; copper nail and washer.....	30 45 12.4	82 12 31.5	.....
Canal, south bank, about 15 feet from water's edge, in pine tree; copper nail and washer.....	30 45 28.4	82 13 04.8	3,322
Canal, south bank, in root of cypress tree; copper nail.....	30 45 38.6	82 13 33.8	2,733
Canal, 20 feet west of bank, in root of cypress tree; copper nail and washer.....	30 46 22.9	82 14 03.0	5,148
Camp ground, on west bank of canal, in root of bay tree, painted "U. S. E."; copper nail.....	30 46 44.3	82 14 06.2	2,182
Canal, 3.5 feet south of bank, visible from canal through cutting, in root of cypress tree; copper nail and washer.....	30 47 14.9	82 14 25.4	3,520
Canal, west bank, in pine tree; copper nail.....	30 47 46.5	82 14 46.7	3,689
Canal, 25 feet west of bank, in root of sweet bay tree; copper nail.....	30 47 58.5	82 14 47.9	1,217
Canal, west bank, in 8-inch pine tree; copper nail; tree painted "U. S. I.".....	30 48 26.1	82 14 53.0	2,822
Okfeenokee Swamp, just south of Jacksons Bay, near forks of canal, 3 branches, one dry, on west side of main canal, north end of a bunch of cypress timber and brush; iron post stamped "Prim. Trav. Sta. No. 53, 1917 Mac.".....	30 48 51.0	82 15 04.6	2,712

Magnetic declination for south part of quadrangle, 1.2° E.

## FOLKSTON QUADRANGLE—Continued.

From Folkston southwest along highways to south border of quadrangle. (By H. S. Senseney in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Folkston, (U. S. C. & G. S. station Q <sub>6</sub> ).....	30 49 52.41	82 00 29.34	.....
Road forks, roads southwest to St. George.....	30 49 46.4	82 00 51.4	2,012
Milepost 1.....	30 49 23.3	82 01 02.5	2,531
Road forks.....	30 49 10.8	82 01 11.3	1,473
Milepost 2.....	30 48 39.1	82 01 36.6	3,888
T road west.....	30 48 14.6	82 01 55.9	2,992
Milepost 3.....	30 47 52.5	82 02 08.6	2,495
Folkston, 3.2 miles south of, on road to St. George, 20 feet west of fork of road to Traders Hill; iron post stamped "Prim. Trav. Sta. No. 15, S 1917".....	30 47 40.2	82 02 15.9	1,397
Crossroads.....	30 47 24.4	82 02 30.5	2,032
Do.....	30 46 52.6	82 03 01.2	4,184
Road west, south of church.....	30 46 26.2	82 03 26.8	3,480
Prospect Church, crossroads at.....	30 45 51.7	82 04 00.2	4,536
Crossroads to northwest at house.....	30 45 32.6	82 04 12.5	2,212

Magnetic declination for southeast quarter of quadrangle, 1.4° E.

## GARFIELD QUADRANGLE.

West and south along highways in southeast corner of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork.....	32 31 04.4	82 00 07.4	.....
Southeast corner of crossing of Statesboro-Swainsboro and Metter-Aaron roads, 10 feet west of mail box 500, feet south of residence; iron post stamped "Prim. Trav. Sta. No. 20, 1918 J".....	32 31 27.8	82 01 08.0	6,521
Road fork at creek crossing.....	32 30 35.1	82 01 11.6	5,339

Magnetic declination for southeast part of quadrangle, 0.6° E.

North along highways near west border of quadrangle. (By E. L. McNair in 1918.)

Forks of road.....	32 33 54.7	82 14 59.2	.....
Public crossroads.....	32 34 08.4	82 14 06.2	4,741
Forks of road.....	32 34 40.6	82 14 16.8	3,375
Do.....	32 35 09.9	82 14 25.0	3,045
Crossroads.....	32 36 09.9	82 14 22.1	6,070
Angle of 11° 15' in road.....	32 36 41.3	82 14 17.4	3,248
Road west.....	32 37 29.4	82 14 28.7	4,902
Center line of road, in line with T road west along fence, 35 feet north of mail box.....	32 37 58.6	82 14 14.9	3,186
Road fork, junction with Swainsboro-Garfield road.....	32 39 04.0	82 13 19.8	8,117
Swainsboro, about 7.5 miles northeast of, on road to Canoochee, near forks of road, a settlement road leads north to Summertown, 300 west of tenant farmhouse belonging to Ben Brinson, 30 feet northwest of center of main road; iron post stamped "Prim. Trav. Sta. No. 133, 1918 Mac".....	32 39 04.2	82 13 36.4	1,419
Forks of road.....	32 39 53.5	82 14 05.4	5,558
T road east.....	32 40 52.5	82 14 15.2	6,026
Forks of road at fence corner, 500 feet north of Mr. Greenway's house.....	32 41 28.9	82 14 25.2	3,776
Forks of road.....	32 42 19.0	82 14 45.3	5,340
Crossroads.....	32 43 08.1	82 14 41.8	4,973
Public crossroads.....	32 43 44.3	82 14 35.4	3,700

Along highways near south border of quadrangle. (See Stillmore quadrangle.)

Crossroads about 1,100 feet northeast of Beulah Church.....	32 30 02.6	82 09 15.0	.....
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## GARFIELD QUADRANGLE—Continued.

Northeast along highways near southeast corner of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork at corner of fence.....	32 30 21.4	82 02 24.6	.....
Center of road opposite gateway and lane east through field.....	32 30 43.1	82 01 58.3	3, 142
T road N. 50° E.....	32 30 57.2	82 01 19.8	3, 594
Metter, 10 miles north of; Prim. Trav. Sta. No. 20, Jones (tie).....	32 31 27.8	82 01 08.0	3, 253

Magnetic declination for west border of quadrangle, 0.8° E.; for northeast part of quadrangle, 0.6° E.

Southwest along Georgia &amp; Florida Ry. through center of quadrangle. (By E. L. McNair in 1918.)

Road crossing.....	32 44 48.0	82 00 22.0	.....
Do.....	32 43 57.7	82 01 20.6	7, 131
Butts station, road crossing 50 feet southwest of.....	32 43 34.5	82 01 42.1	2, 978
Road crossing.....	32 42 31.3	82 02 09.3	6, 806
Do.....	32 42 11.2	82 03 05.0	5, 173
Thrift station, road crossing.....	32 41 59.3	82 03 20.9	1, 818
Intersection of tangent.....	32 41 30.1	82 03 58.6	4, 370
Road crossing.....	32 40 29.3	82 04 36.1	6, 926
Jenkins-Emanuel county line, crossing of.....	32 39 47.4	82 04 58.4	4, 651
Road crossing.....	32 39 21.1	82 05 28.7	3, 705
Garfield station, 25 feet west of center of track, 20 feet east of center of street, 12 feet north of telegraph pole; iron post stamped "Prim. Trav. Sta. No. 128, 1918 Mac."; azimuth to church steeple, 79° 43' 39"	32 39 02.8	82 05 44.0	2, 261
Garfield, crossing of Georgia & Florida and Midland railroads.....	32 38 37.1	82 05 49.9	2, 654
Road crossing.....	32 38 11.0	82 06 13.3	3, 305
Do.....	32 37 46.8	82 06 36.4	3, 154
Intersection of tangent.....	32 37 27.1	82 06 54.8	2, 530
Road crossing.....	32 36 55.5	82 07 07.3	3, 365
Milepost 26, center of track opposite.....	32 36 14.3	82 07 26.1	4, 464
Road crossing.....	32 35 51.4	82 08 12.1	4, 561
Summit station, road crossing 430 feet northeast of.....	32 35 10.3	82 08 53.2	5, 446
Road crossing.....	32 35 00.8	82 09 15.1	2, 100
Graymont station, road crossing 230 feet northeast of.....	32 34 44.5	82 09 46.0	3, 118
Road crossing.....	32 34 20.0	82 10 10.6	3, 254
Do.....	32 33 41.0	82 10 28.5	3, 995
Second-class road crossing.....	32 33 06.5	82 10 53.3	4, 591
Wade station, opposite and across track from, 20 feet northeast of center of track; iron post stamped "Prim. Trav. Sta. No. 29, 1918 Mac."; azimuth to left edge of chimney on house about 600 feet distant, 51° 46' 55"	32 32 14.2	82 11 35.5	6, 398
Milepost 19, center of track opposite.....	32 31 42.3	82 11 48.9	3, 410
Road crossing.....	32 31 03.8	82 11 50.1	3, 900
Do.....	32 30 29.7	82 11 55.0	3, 471

## Along highways near north border of quadrangle.

Crossroads, 30 feet southeast to two mail boxes.....	32 43 44.3	82 14 35.3	.....
Church, road north to.....	32 43 33.2	82 13 24.3	6, 170
Railroad crossing.....	32 43 15.8	82 12 50.6	3, 376
Smith's store, junction of roads 2 miles south of.....	32 42 20.4	82 11 57.5	7, 195
Smith's store, T road east on fourth mile south of.....	32 43 49.8	82 12 09.5	9, 084
Schoolhouse, second-class crossroads 300 feet southeast of.....	32 44 13.9	82 11 26.4	4, 417
Second-class crossroads, 40 feet southwest to high burnt stump.....	32 44 18.2	82 10 44.7	3, 590

## Along Midland Ry. northwest through center of quadrangle.

Road crossing.....	32 34 20.9	82 00 25.5	.....
Do.....	32 34 51.2	82 01 18.6	5, 487
Do.....	32 35 18.8	82 01 49.9	3, 867
Do.....	32 36 34.7	82 02 48.0	5, 219
Do.....	32 36 17.3	82 03 25.0	5, 343
Do.....	32 36 31.6	82 03 44.6	2, 215
Milepost 56, center of track opposite.....	32 37 03.3	82 04 37.6	5, 547
Road crossing.....	32 37 38.5	82 04 51.7	3, 755
Do.....	32 38 52.5	82 06 50.4	.....
Do.....	32 39 04.9	82 07 41.4	4, 530
Road crossing at Speer siding.....	32 39 19.8	82 08 43.1	5, 478
Intersection of tangent.....	32 39 28.6	82 09 19.2	3, 210
Road crossing.....	32 39 44.4	82 09 50.0	3, 080
Canoochee station, road crossing at.....	32 40 20.6	82 10 45.7	6, 000
Intersection of tangent.....	32 40 46.8	82 11 07.6	3, 244
Road crossing.....	32 41 23.0	82 11 26.3	3, 986
Do.....	32 41 47.5	82 11 43.3	2, 874
Do.....	32 42 23.6	82 12 01.8	3, 945
Intersection of tangent.....	32 42 49.0	82 12 25.5	3, 299

## GARFIELD QUADRANGLE—Continued.

Along highway near east border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
T road east.....	32 42 28.5	82 00 01.1	.....
Road fork.....	32 42 10.8	82 00 02.0	1,785
Do.....	32 37 48.5	82 00 11.2	.....
Aaron, 4 miles north of, about 1 mile northwest of corner of Jenkins, Emanuel, and Bulloch counties 30 feet west of crossroads; iron post stamped "Prim. Trav. Sta. No. 126, 1918 Mac.".....			
	32 37 04.8	82 00 51.6	5,606
T road east.....	32 36 42.6	82 00 15.1	3,838
Dead tree just east of road, said to be corner tree to Jenkins, Bulloch, and Emanuel counties.....			
	32 36 24.6	82 00 05.5	2,000

Magnetic declination near east border of quadrangle, 0° 45' E.; near north border of quadrangle, 0° 51' E.

## GLENNVILLE QUADRANGLE.

Along highways near east border of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Angle in road.....	31 52 14.2	81 45 38.4	.....
Taylor's Creek, 1 mile south of crossing of, 700 feet south of Dan Smiley's house, 20 feet west of road and in line with road south-east, 2 feet east of wire fence; iron post stamped "Prim. Trav. Sta. No. 29, 1917 Mac."; azimuth to east edge of brick chimney on Smiley's house, 172° 43' 15".....			
	31 52 28.2	81 45 55.4	2,037
Road forks, road northwest to Smiley postoffice.....	31 52 52.1	81 45 57.1	2,414
Angle in road.....	31 53 54.6	81 45 33.2	6,645
Road forks at 50° angle in main road.....	31 54 21.4	81 45 35.2	2,713
Angle in road.....	31 54 52.4	81 45 11.0	3,766

Magnetic declination for east border of quadrangle, 0° 44' E.

Along Georgia Coast &amp; Piedmont R. R. in south part of quadrangle. (By E. L. McNair in 1917.)

Second-class road crossing.....	31 45 19.6	81 47 26.9	.....
Public-road crossing.....	31 45 41.3	81 47 49.9	2,961
Road crossing at spur track.....	31 46 06.8	81 48 16.8	3,470
Intersection of tangents.....	31 46 57.9	81 49 10.6	6,951
Roderick flag station, 70 feet southwest of road crossing, 15 feet north of public road, 6 feet northeast of telephone pole; iron post stamped "Prim. Trav. Sta. No. 25, 1917 Mac."; azimuth to switch stand, 320° 33' 30".....			
	31 47 31.1	81 49 37.7	4,087

Along highways near south border of quadrangle.

Intersection of Macon-Darien road and road northeast to Roderick and Hinesville.....	31 47 22.1	81 49 52.0	1,530
Angle in road, point is 15 feet east of center of road and in line with road in both directions.....	31 47 59.7	81 50 42.0	5,750
T road north to Donald.....	31 48 04.6	81 51 07.9	2,285
Second-class crossroads.....	31 48 16.7	81 51 40.2	3,048
Crossroads, 165 feet southeast of bridge over creek.....	31 48 31.1	81 52 12.1	3,115
Road forks.....	31 49 04.7	81 52 51.1	4,780
Sam Howard's place, 0.75 mile southeast of, about opposite old road westward to Beard's Bluff, 20 feet north from center of road, 12 feet southeast of fence; iron post stamped "Prim. Trav. Sta. No. 28, 1917 Mac.".....			
	31 49 16.6	81 53 11.6	2,138
Mr. Blocker's house, large chinaberry tree in front of.....	31 48 45.3	81 55 20.6	11,573
Beard's Bluff, near ferry, on north bank of Altamaha River, in open grassy ground; iron post stamped "Prim. Trav. Sta. No. 27, 1917 Mac."; azimuth to nail in root of water-oak tree across river just below ferry landing, 323° 51' 38".....			
	31 47 25.3	81 57 29.0	13,717
Ferry landing, on south side of river, in root of water-oak tree; nail.....	31 47 16.7	81 57 21.7	1,067
Altamaha River, about 900 feet north of, 40 feet west of water channel, 6 feet north of blazed cypress tree, in top of cypress knee 8 feet high; nail.....			
	31 47 00.0	81 58 04.5	4,064
Crossroads.....	31 46 15.3	81 58 43.3	5,624
Road forks.....	31 45 30.9	81 58 12.9	5,205

Magnetic declination for south border of quadrangle, 0° 50' E.

## GLENNVILLE QUADRANGLE—Continued.

South along highways near west border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Mendes, 100 feet north of road crossing of Georgia Coast & Piedmont R. R.	31 59 53.9	81 58 28.1	.....
Crossing of Georgia Coast & Piedmont R. R. and Stafford-Perry road	31 59 21.0	81 58 09.7	3,680
Road fork	31 58 49.0	81 58 33.1	3,811
Crossroads	31 57 56.1	81 59 16.4	6,521
Watermelon Creek, center of bridge over	31 52 52.7	81 59 43.7	.....
Crossroads	31 52 31.5	81 59 13.1	3,393
Center of small creek	31 52 13.3	81 58 50.9	2,649
Road fork	31 51 52.4	81 58 16.0	3,680
Mushmelon Creek, west end of bridge over	31 51 46.1	81 58 01.1	1,429
Road fork, 200 feet east of Debbos Branch	31 51 16.1	81 57 13.4	5,109
Beard's Creek, center of bridge over, known as Lumber Bridge	31 50 48.4	81 55 51.0	7,630
Center of road opposite milepost 4	31 50 27.2	81 55 52.7	2,150
Center of road opposite milepost 3	31 49 51.2	81 56 35.6	5,195
Center of road opposite milepost 2	31 49 04.9	81 57 01.0	5,163
Road fork, on east side of road, elevation "151" painted	31 48 29.9	81 57 13.1	3,693
Center of road opposite milepost 1	31 48 14.9	81 57 15.8	1,528
Beard's Bluff, "Prim. Trav. Sta. No. 27, Mac. 1917"	31 47 25.3	81 57 29.0	5,142

## East along highways near center of quadrangle.

Road fork	31 56 02.7	81 59 11.9	.....
Do	31 56 00.3	81 58 37.3	2,988
Do	31 55 58.6	81 58 15.2	1,910
Medlock, T road north at store	31 55 57.1	81 57 55.2	1,730
Center of bridge	31 56 01.4	81 57 20.3	3,041
Road fork	31 56 17.1	81 56 47.2	3,260
Crossroads	31 56 23.4	81 56 16.3	2,729
Glennville, 150 feet east of Baptist Church, south side of street, west of Georgia Coast & Piedmont R. R.; iron post stamped "P. B. M. 175"; azimuth to Glennville water tower, 267° 45'	31 56 11.6	81 55 44.1	3,017
Road fork	31 55 43.8	81 54 37.8	6,372
Crossroads	31 55 23.8	81 53 53.4	4,327
Beard's Creek, east end of bridge over	31 55 26.6	81 52 54.0	5,126
Crossroads	31 55 42.2	81 52 13.3	3,842
Do	31 55 53.7	81 51 37.9	3,266
Do	31 55 56.7	81 50 58.9	3,366
Road fork	31 55 58.7	81 50 26.4	2,806
Road fork, Glennville, Savannah, and Walthourville	31 55 59.5	81 49 51.9	2,976
Center of road, opposite gate to house on north side of road	31 55 28.7	81 49 12.6	4,602
Crossroads	31 55 05.3	81 48 42.6	3,500
Road fork at turpentine still	31 54 38.8	81 48 08.4	3,990
Smiley, 60 feet southeast of store, in live-oak tree 4 feet in diameter	31 54 18.8	81 47 41.1	3,098
Taylor Creek, south end of bridge over	31 53 27.0	81 46 33.5	7,827
Center of bridge	31 52 59.5	81 46 07.6	3,568
Prim. Trav. Sta. No. 29, 1917 Mac	31 52 28.2	81 45 55.4	3,326

Magnetic declination along west border of quadrangle, 0.8° E.; for center of quadrangle, 0.6° E.

## GOUGH QUADRANGLE.

Along Central of Georgia Ry. near east border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 104, road crossing 550 feet south of	33 09 01.0	82 00 00.8	.....
Milepost 103, railroad track opposite	33 08 26.6	82 00 38.9	4,760
Milepost 102, railroad track opposite	33 07 40.2	82 01 00.6	5,030
Waynesboro, railroad crossing under Savannah & Atlanta Ry.	33 06 23.8	82 01 07.5	7,748
Waynesboro, 1,000 feet south of station, 45 feet south of switch stand and 10 feet east of railroad, opposite east and west street on west side of railroad; iron post stamped "Prim. Trav. Sta. No. 5, 1918 H"; 730 feet south of post is point on east rail, azimuth, 338° 52' 45"	33 05 20.9	82 00 38.1	6,831
Waynesboro, road crossing 1 mile south of	33 04 39.2	82 00 18.6	4,530

## GOUGH QUADRANGLE—Continued.

Along Georgia &amp; Florida Ry. near west border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect.
Milepost 24, railroad track opposite.....	33 14 42.4	82 13 27.7	.....
Keysville, about 900 feet northeast of station, 38 feet south of railroad, on north edge of wagon road; iron post stamped Prim. Trav. Sta. No. 2, 1918 H"; 1,517 feet southeast of post to point on east rail, azimuth, 316° 22' 40".....	33 14 13.3	82 13 50.5	3,519
Keysville, road crossing 0.15 mile southwest of.....	33 12 59.1	82 14 01.4	7,560
Brush Creek, road crossing 5 miles north of, at whistle post.....	33 12 04.7	82 13 28.8	6,162
Brush Creek, road crossing 300 feet north of.....	33 11 45.3	82 13 14.0	2,322
Brush Creek, road crossing 2,000 feet south of.....	33 11 23.7	82 13 17.1	2,205
Road crossing 3,000 feet south of milepost 220.....	33 10 19.3	82 13 03.4	6,611
St. Clair, road crossing at station.....	33 09 03.4	82 13 05.4	7,682
St. Clair, railroad crossing at (Savannah & Atlanta Ry.).....	33 08 43.8	82 13 09.5	2,000
Milepost 216, road crossing 1,600 feet north of.....	33 07 39.3	82 13 18.2	6,560
Milepost 215, crossing 1,400 feet north of.....	33 06 46.5	82 13 35.2	5,534
Gough, road crossing 1 mile north of.....	33 06 14.0	82 13 41.2	3,323
Gough, 40 feet southwest of station, on west side of railroad, on north edge of wagon road; iron post stamped "Prim. Trav. Sta. No. 7, 1918 H"; 600 feet south of post is point on east rail, azimuth, 354° 10' 40".....	33 05 26.9	82 13 36.8	4,777
Milepost 213, railroad track opposite.....	33 04 50.5	82 13 41.2	3,694
Milepost 212, railroad track opposite.....	33 04 08.0	82 14 14.9	5,167
Milepost 212, road crossing in cut 1,800 feet south of.....	33 03 54.4	82 14 29.4	1,852
Dixie Highway crossing.....	33 03 35.4	82 14 35.1	1,977
Vidette, road crossing at station.....	33 02 15.1	82 14 51.5	8,236
Milepost 209, road crossing 400 feet south of.....	33 01 34.3	82 14 53.4	4,127
Milepost 208, road crossing 200 feet north of.....	33 00 48.1	82 14 50.7	4,674
Milepost 207, road crossing 1,050 feet north of.....	33 00 04.5	82 14 40.8	4,480

## Along highways near north border of quadrangle.

Keysville, 1.5 miles southeast of, bridge over creek.....	33 13 59.2	82 12 25.7	.....
Mill, three corners at.....	33 13 26.9	82 11 29.2	5,794
Milepost 15 miles to Waynesboro, county road opposite.....	33 12 56.3	82 11 01.6	3,876
County crossroads between mileposts 14 and 15.....	33 12 35.4	82 10 31.8	3,294
Milepost 13 miles to Waynesboro, county road opposite.....	33 12 30.1	82 09 09.2	7,032
Dye's Gin, crossroads at.....	33 12 36.5	82 08 47.7	1,940
T road north, 30 feet northwest to two mail boxes.....	33 12 33.1	82 07 48.5	5,040
Second-class T road south, 40 feet southwest to mail box.....	33 12 35.7	82 06 46.6	5,260
White house and windmill, three corners, 400 feet south of.....	33 12 23.7	82 05 57.2	4,365
Waynesboro, about 8 miles northwest of, 6.5 miles west of Greens Cut, in triangle at T road east; iron post stamped "Prim. Trav. Sta. No. 16, 1918 H"; 2,400 feet south to nail in hub on east side of road, azimuth, 345° 50' 50"; 514 feet west to nail in hub on north side of road, azimuth, 68° 42' 20".....	33 12 02.9	82 04 49.7	6,103
T road east, 30 feet northeast to two mail boxes.....	33 11 30.8	82 04 42.8	3,290
Crossroads, 30 feet northwest to mail boxes.....	33 11 18.5	82 03 32.4	6,100
T road south, 20 feet northeast to mail box.....	33 11 20.9	82 02 47.2	3,848
T road south, 20 feet northeast to W. H. Walker's mail box.....	33 11 19.9	82 01 47.9	5,030
T road north at schoolhouse.....	33 11 21.6	82 00 54.0	4,584

## Along highways east and west near center of quadrangle.

Gin, three corners at.....	33 03 46.2	82 13 22.0	.....
Store, crossroads at.....	33 03 35.8	82 12 17.9	5,557
White house, T road north to.....	33 03 36.0	82 10 57.5	6,838
Store, T road south at.....	33 03 18.0	82 09 32.8	7,430
Milepost 8, county road opposite.....	33 03 31.7	82 08 36.2	5,004
Milepost 7, county road opposite.....	33 03 51.6	82 07 38.1	5,339
Waynesboro, 6.5 miles west of, near negro cabin, on south side of road, 30 feet southeast of mail box numbered 12, at second-class T road north; iron post stamped "Prim. Trav. Sta. No. 26, 1918 H"; 1,160 feet east is nail in hub on north side of road, azimuth, 274° 27' 50"; 783 feet west is nail in hub on south side of road, azimuth, 94° 35' 50".....	33 03 57.0	82 07 07.1	2,690
Store, three corners at, 30 feet southwest to Goodrich signpost.....	33 03 40.9	82 06 10.1	5,111
Crossroads, 30 feet southeast to Goodrich signpost.....	33 03 47.6	82 05 13.1	4,901
Milepost 4, county road opposite.....	33 03 58.4	82 04 37.4	3,222
Milepost 3, county road opposite.....	33 04 39.0	82 03 57.0	5,347
Waynesboro, store 1 mile west of, four corners.....	33 05 04.1	82 02 17.6	8,830
Waynesboro, Prim. Trav. Sta. No. 5, 1918 (previously described).....	33 05 20.9	82 00 38.1	8,617



## GOUGH QUADRANGLE—Continued.

Along Savannah &amp; Atlanta Ry. near east border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Waynesboro, Prim. Trav. Sta. No. 5 (previously described).....	33 05 20.9	82 00 38.1	.....
Road crossing.....	33 05 52.2	82 00 50.5	3,337
Do.....	33 05 57.5	82 00 00.4	4,296

Magnetic declination through center of quadrangle, 0° 43' E.; for north border of quadrangle, 0° 48' E.

## GREENS CUT QUADRANGLE.

Along highways near southeast corner of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork.....	33 00 22.3	81 45 12.5	.....
Angle in road (Millen sheet).....	32 59 11.6	81 45 17.7	7,147

## Along highways near north border of quadrangle (spur line unchecked).

Pine tree, 12 feet south of center of road, in blaze 5 feet above ground; nail.....	33 12 00.3	81 50 37.0	.....
Center of bridge over creek.....	33 11 36.5	81 49 50.6	4,617
Pine tree, in blaze on north side of; nail.....	33 10 43.7	81 49 23.6	5,817
Crossroads.....	33 10 15.5	81 49 27.9	2,873
Road fork.....	33 09 54.8	81 48 57.1	3,348
Crossroads.....	33 09 21.6	81 47 35.7	7,686
Road to Hancock Landing and old Savannah-Augusta road, 30 feet south of crossing; iron post stamped "Prim. Trav. Sta. No. 124, 1918 Mac."; azimuth to nail in pine tree 600 feet distant, 334° 36' 15".....	33 09 19.7	81 47 30.8	460
Crossroads.....	33 08 50.8	81 47 11.2	3,357
Road fork.....	33 08 45.6	81 46 46.4	2,172
Crossroads.....	33 08 39.9	81 46 21.5	2,195

## Spur line unchecked.

Road fork, road left goes down bluff.....	33 13 17.2	81 49 15.2	.....
Shell Bluff landing, on bank of Savannah River, in blaze on south-east side of gum tree; nail.....	33 13 38.9	81 49 30.8	2,555

## Along highways through center of quadrangle.

Road fork.....	33 08 46.6	81 54 24.3	.....
Do.....	33 08 22.6	81 55 39.2	6,817
Do.....	33 08 16.3	81 56 09.6	2,660
T road, junction with Dixie Highway.....	33 07 50.8	81 57 29.5	7,270
Center of bridge.....	33 07 04.9	81 57 50.3	4,961
Road fork.....	33 06 31.0	81 58 46.1	5,850
Railroad crossing.....	33 05 57.4	82 00 00.5	7,185

## Along Savannah &amp; Atlanta Ry.

Creek crossing, 900 feet south of water tank.....	33 05 15.9	81 58 49.1	7,380
Road crossing, second class.....	33 04 44.3	81 58 21.7	3,963
Road crossing.....	33 04 08.5	81 57 50.7	4,480
Do.....	33 03 29.5	81 57 16.6	4,890
Road crossing at spur siding.....	33 02 45.2	81 56 15.1	6,898
Center of bridge.....	33 02 29.3	81 55 34.8	3,790
Road crossing.....	33 02 10.0	81 54 45.8	4,607
Do.....	33 01 48.2	81 53 50.5	5,200
Do.....	33 01 18.7	81 52 35.6	7,055
Alexander station, 640 feet north of, 35 feet north of track; iron post stamped "Prim. Trav. Sta. No. 105, 1918 Mac.".....	33 01 16.2	81 52 28.0	679
Road crossing.....	33 00 47.9	81 51 17.2	6,710
Do.....	33 00 27.7	81 50 26.1	4,810
Do.....	33 00 08.8	81 49 38.0	4,520

## GREENS CUT QUADRANGLE—Continued.

Along highway near east and north borders of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork .....	33 04 22.7	81 46 40.2	11,017
Milepost 15, center of road opposite .....	33 05 11.2	81 48 40.0	11,310
Road fork .....	33 05 20.8	81 49 01.0	2,040
Road fork northeast .....	35 05 50.0	81 49 48.7	5,018
T road southwest, at store .....	33 06 18.8	81 50 38.9	5,168
Crossroads, at road northeast to Hancock's landing .....	33 06 48.5	81 51 15.6	4,333
Milepost 10, center of road opposite .....	33 07 56.3	81 52 26.8	9,146
T road northeast .....	33 08 26.4	81 53 00.7	4,184
Shell Bluff store, about 0.25 mile northeast from, 17 feet west of center of crossroads, 2 feet west of concrete milepost marked "McBean 7"; iron post stamped "Prim. Trav. Sta. No. 123, 1918 Mac."; azimuth to left edge of chimney on east end of white house, about 1,800 feet distant, 71° 27' 37" .....	33 08 57.4	81 53 37.5	4,435
Crossroads .....	33 09 15.4	81 53 58.3	2,535
T roads northwest .....	33 10 24.4	81 53 11.8	8,010
Road fork .....	33 10 55.5	81 52 52.6	3,540
Do .....	33 11 31.4	81 52 15.0	4,830
Crossroads, Savannah-Augusta and Shell Bluff .....	33 12 34.2	81 50 50.9	9,557
Center of bridge over creek .....	33 13 31.3	81 51 23.0	6,373
Road fork northeast .....	33 14 11.2	81 53 08.0	9,797
Do .....	33 14 14.1	81 53 53.7	3,890
Road fork .....	33 14 12.1	81 54 42.2	4,128
T road northeast .....	33 14 18.6	81 55 23.5	5,565
Road fork .....	33 14 27.0	81 56 12.3	4,256

Magnetic declination for east border of quadrangle, 0° 45' E.; for north border of quadrangle, 0° 22' E.

Along Central of Georgia Ry. from McBean near west border of quadrangle to Idlewood. (By G. T. Hawkins in 1918.)

McBean, 160 feet south of railroad station, 20 feet south of wagon road, 10 feet east of railroad; iron post stamped "Prim. Trav. Sta. No. 4, 1918 H"; 1,200 feet southwest to point marked on east rail, azimuth, 44° 59' 15" .....	33 14 34.9	81 57 03.9	.....
Milepost 111, railroad track opposite .....	33 14 13.6	81 57 41.4	3,837
Richmond-Burke county line on railroad bridge .....	33 13 41.6	81 58 37.4	5,750
Milepost 109, railroad track opposite .....	33 12 56.2	81 58 36.0	4,590
Milepost 108, railroad crossing 300 feet south of .....	33 12 06.7	81 58 49.7	5,135
Milepost 107, road crossing 300 feet north of .....	33 11 21.6	81 58 52.2	4,556
Greens Cut, railroad crossing at .....	33 10 27.6	81 58 49.2	5,470
Milepost 105, railroad track opposite .....	33 09 37.9	81 59 10.5	5,340
Milepost 97, road crossing 600 feet south of .....	33 03 28.0	81 59 45.2	.....
Milepost 96, railroad track opposite .....	33 02 45.2	81 59 25.1	4,650
Milepost 95, road crossing 660 feet south of, near house and barn .....	33 01 50.2	81 58 59.4	5,971
Idlewood, 30 feet east of station, on east side of railroad and south edge of wagon road; iron post stamped "Prim. Trav. Sta. No. 6, 1918 H"; 1,430 feet south of post is point on east rail, azimuth, 346° 54' 00" .....	33 00 54.8	81 58 33.4	6,025

Along highways near west border of quadrangle.

Greens Cut, 1.5 miles west of, junction of roads, 150 feet southwest to cabin .....	33 11 06.2	81 59 54.6	.....
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Magnetic declination for west border of quadrangle, 0° 32' E.; for east border of quadrangle, 0° 45' E.; for north border of quadrangle, 0° 22' E.

## GRISWOLDVILLE QUADRANGLE.

Along highways near east border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks, center of, at road north.....	32 59 58.8	83 15 11.0	.....
Road forks, center of, at road west.....	32 59 29.1	83 15 01.8	3,102
Stream crossing.....	32 58 29.4	83 15 03.8	.....
Stream crossing, at second-class road.....	32 58 14.8	83 16 00.2	5,034
Stream crossing.....	32 58 07.4	83 16 18.2	1,706
Wagon bridge, center of.....	32 57 47.2	83 16 01.7	2,478
Road forks, center of.....	32 57 08.2	83 16 07.9	3,979
Do.....	32 56 14.0	83 15 28.3	4,454
Road forks, 60 feet southeast of, 25 feet west of mail box 76; iron post stamped "Prim. Trav. Sta. No. 2, 1916".....	32 55 26.6	83 15 08.7	5,073
Road forks, northeast point of triangle at.....	32 54 31.4	83 15 32.2	5,925
Road forks, second-class road southeast.....	32 53 40.4	83 15 44.4	5,262
Wagon bridge over mill race.....	32 53 33.2	83 16 23.9	3,448
Center of road at north point of triangle.....	32 53 01.6	83 16 40.7	3,491
Road forks, road east (McIntyre road).....	32 52 31.9	83 16 07.0	4,157
Catholic church, 150 feet north of, center of road fork east.....	32 51 50.9	83 15 19.8	5,773
Little Commissioner Creek, center of wagon bridge over.....	32 51 17.7	83 15 05.2	3,579
Claymont, on Central of Georgia Ry., center of track.....	32 51 13.7	83 15 05.3	410
Claymont, 0.8 mile southwest of, 30 feet southwest of southwest corner of Mrs. F. C. Taylor's house, 20 feet northeast of 15-inch white oak tree; iron post stamped "Prim. Trav. Sta. No. 3, 1916".....	32 50 29.7	83 15 12.1	4,478
T road north.....	32 47 41.8	83 15 31.9	.....
Road forks, in small triangle, 78 feet northeast of 24-inch oak tree; iron post stamped "Prim. Trav. Sta. No. 15, 1916".....	32 47 03.2	83 16 29.2	6,259
Road forks, in triangle, forked persimmon tree.....	32 46 20.2	83 17 01.0	5,114
Road forks, second-class fork south, 15 feet southwest to a three pronged oak tree.....	32 46 08.3	83 16 22.4	3,502
Road forks, at foot of small hill, 40 feet west to two small double oaks.....	32 46 18.5	83 15 36.5	4,058

Magnetic declination, east border of quadrangle, 1° 30' E.

## West along highways near north border of quadrangle.

Jones-Baldwin county line, crossing of road at culvert.....	32 59 51.4	83 22 46.9	.....
Road forks, in triangle at, 90 feet south at sign post; iron post stamped "Prim. Trav. Sta. No. 10, 1916".....	32 59 49.8	83 23 33.7	3,982
Farm road to southeast, at top of hill, center of forks.....	32 59 06.7	83 24 44.0	7,411
Road forks to north, center of.....	32 59 34.9	83 25 28.7	4,756
Road forks, center of, 140 feet east of stream.....	32 59 29.2	83 28 22.5	.....
Road forks to west, center of.....	82 59 57.2	83 29 22.9	5,873

## South along highways near west border of quadrangle.

Milepost No. 7, center of road opposite.....	32 54 54.2	83 29 34.6	.....
Milepost No. 9, concrete, center of road opposite.....	32 53 16.7	83 29 13.6	10,009
Milepost No. 10, concrete, center of road opposite.....	32 52 23.7	83 29 18.8	5,372
Griswoldville, public-road crossing of Central of Georgia R. R. track, 40 feet southwest of; iron post stamped "Prim. Trav. Sta. No. 12, 1916".....	32 52 12.3	83 29 20.4	1,158
Dry Branch station, center of road forks, 100 feet southwest of.....	32 48 00.9	83 29 53.8	.....
Road forks to southeast, center of.....	32 47 27.9	83 29 51.9	3,334
Road forks, center of.....	32 45 39.2	83 29 14.1	.....

## East along highways near south border of quadrangle.

Sandy Creek, center of wagon bridge over.....	32 46 10.3	83 20 04.1	.....
Farm road to north, center of forks.....	32 46 35.6	83 19 07.5	5,469
Road forks in front of schoolhouse, center of small triangle.....	32 47 06.4	83 18 21.2	5,027
Road forks at road to northeast, center of.....	32 46 51.9	83 17 14.7	5,886
Road forks, in center of small triangle at, 70 feet northeast of 24-inch oak tree; iron post stamped "Prim. Trav. Sta. No. 15, 1916" (previously described).....	32 47 03.15	83 16 29.23	4,043

## GRISWOLDVILLE QUADRANGLE—Continued.

Along Central of Georgia Ry. from Clymont to Griswoldville.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Station 165 (previously described).....	32 51 21.96	83 15 05.62	.....
Trestle No. C 166, center of.....	32 51 27.6	83 15 46.8	3,562
Plantation road crossing.....	32 51 42.8	83 16 20.0	3,231
Trestle No. B 160, east edge of.....	32 52 12.8	83 17 18.2	5,820
Trestle No. A 169, center of.....	32 52 41.8	83 17 51.5	4,083
Public-road crossing, north-south.....	32 52 50.8	83 18 22.7	2,820
Do.....	32 52 53.2	83 19 23.4	5,190
Gordon, public-road crossing to east.....	32 52 54.3	83 19 54.1	2,620
Public-road crossing.....	32 52 57.7	83 20 59.2	5,565
Trestle A 172, center of.....	32 53 06.2	83 21 40.3	3,624
Trestle B 173, center of.....	32 53 15.2	83 22 03.9	2,205
Trestle E 173, center of.....	32 53 28.1	83 22 32.6	2,780
Trestle B 174, 900 feet west of east end of, 105 feet northwest of rail-road track at plantation-road crossing; iron post stamped "Prim. Trav. Sta. No. 16, 1916".....	32 53 46.8	83 23 21.3	4,570
Lewiston, opposite station, center of main track.....	32 53 47.1	83 24 14.6	4,547
Jones-Wilkinson county line.....	32 53 50.4	83 24 26.4	1,067
Road crossing, north-south.....	32 54 10.5	83 25 45.7	7,062
Public-road crossing.....	32 54 10.7	83 26 47.8	5,302
Do.....	32 53 11.0	83 27 16.1	6,496
Plantation-road crossing.....	32 52 16.1	83 28 01.2	6,752
Road crossing.....	32 52 05.8	83 28 57.6	4,922
Prim. Trav. Sta. No. 12 (previously described).....	32 52 12.31	83 29 20.36	2,059

Magnetic declination for north and south borders of quadrangle, 1° 36' E.; for west border and center of quadrangle, 1° 30' E.

## Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Second-class road crossing.....	32 59 27.4	83 26 43.2	.....
Milepost 62.....	32 58 55.6	83 26 49.6	3,266
Public-road crossing.....	32 58 36.1	83 27 16.5	3,025
James station, public road crossing at east end of.....	32 57 58.4	83 28 25.4	6,990

## HARDEEVILLE QUADRANGLE.

South along Seaboard Air Line Ry. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 162.....	32 21 55.7	81 14 54.6	.....
South end of trestle bridge over creek.....	32 20 49.2	81 14 43.8	6,790
Public-road crossing.....	32 20 28.5	81 14 40.4	2,110
Byrd's flag station, road crossing 630 feet south of.....	32 20 10.2	81 14 37.5	1,860
Second-class road crossing.....	32 19 22.1	81 14 29.7	4,915
Bridge over creek.....	32 18 50.2	81 14 24.5	3,255
Road crossing.....	32 18 17.9	81 14 19.2	3,290
Do.....	32 17 54.5	81 14 15.4	2,390
Rincon station, about 540 feet south of, 45 feet west of track, 290 feet south of public-road crossing, azimuth to Baptist church spire is 243° 44' 00"; iron post stamped "Prim. Trav. Sta. No. 83, 1917 Mac.".....	32 17 33.3	81 14 12.4	2,158
Road crossing.....	32 16 43.7	81 14 03.9	5,063
Second-class road crossing.....	32 16 23.2	81 14 00.6	2,090
Public-road crossing.....	32 15 22.2	81 13 50.7	6,225

Magnetic declination, 0.3' E. (only one observation).

**HAYLOW QUADRANGLE.**

Along Atlantic Coast Line R. R. southwest across quadrangle near northwest corner. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 129.....	30 59 51.6	82 50 47.6	.....
Dupont siding, switch stand, 880 feet northeast of milepost 130.....	30 59 33.9	82 51 33.5	4,375
Dupont, 260 feet southwest of station, 80 feet southeast of main track, 5 feet from fence line; iron post stamped "Prim. Trav. Sta. No. 42, 1917 Mac."; azimuth of long tangent, 65° 55'.....	30 59 13.1	82 52 25.5	4,993
Public-road crossing near turnout of line south to Florida.....	30 59 01.4	82 52 58.1	3,072
Public-road crossing, 550 feet northeast of milepost 132.....	30 58 49.9	82 53 28.1	2,855
Private-road crossing.....	30 58 36.0	82 54 04.2	3,450
Milepost 133.....	30 58 26.3	82 54 29.2	2,380
Private-road crossing, 1,360 feet southwest of milepost 134.....	30 57 59.0	82 55 40.0	6,755
Private-road crossing, 140 feet northeast of milepost 135.....	30 57 43.8	82 56 19.4	3,750
Road crossing, 970 feet northeast of milepost 136.....	30 57 26.2	82 57 05.2	4,370
Road crossing.....	30 56 49.5	82 58 40.0	9,045
Private-road crossing.....	30 56 32.8	82 59 23.1	4,120
Stockton, 250 feet northeast of station, 30 feet northwest of center of main track, 10 feet northeast of road and in line with road northwest; iron post stamped "Prim. Trav. Sta. No. 43, Mac. 1917"; azimuth of long tangent, 65° 45'.....	30 56 19.8	82 59 57.6	3,273

**HEARTSEASE QUADRANGLE.**

Along Georgia Southern & Florida Ry. northwest across quadrangle near southwest corner. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Lenox, about 320 feet north of point opposite station, 25 feet east of center of track, 120 feet south of milepost 118; iron post stamped "Prim. Trav. Sta. No. 48, Mac. 1917".....	31 16 22.2	83 27 52.3	.....
Public-road crossing.....	31 16 53.0	83 28 00.4	3,195
Road crossing.....	31 17 41.5	83 28 12.8	5,015
Road crossing, just north of switch stand at spur.....	31 19 01.3	83 28 33.2	8,250
Berrien-Tift county-line post.....	31 19 35.2	83 28 41.8	3,510
Intersection of tangents.....	31 20 36.6	83 28 57.5	6,355
Public-road crossing.....	31 21 04.4	83 29 03.4	2,850
Eldorado station (Fender post office), road crossing.....	31 21 32.2	83 29 09.4	2,859
Eldorado station (Fender post office), 380 feet north of road crossing at station, 25 feet west of center of track; iron post stamped "Prim. Trav. Sta. No. 49, Mac. 1917"; azimuth to church spire, 283° 32'; azimuth of railroad tangent, 169° 41'.....	31 21 35.9	83 29 10.4	3,772
Road crossing.....	31 22 16.7	83 29 22.3	4,255
Farm-road crossing.....	31 23 35.4	83 29 37.6	8,055
Public-road crossing.....	31 24 01.9	83 29 42.8	2,720
Intersection of long tangents.....	31 25 05.6	83 29 53.3	6,520

Deflection, minus 8° 22'.

**HEPHZIBAH QUADRANGLE.** For other positions in Hephzibah quadrangle see Camp Hancock.

Along Georgia & Florida Ry. from Augusta to Keysville. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 3, road crossing 2,100 feet south of, 20 feet east to crossing sign.....	33 25 42.4	82 00 08.0	.....
Neco, road crossing at station.....	33 25 00.4	82 00 27.9	4,571
Adam, road crossing at station.....	33 24 34.8	82 00 40.1	2,780
Road crossing, 20 feet east to large stone post.....	33 23 55.1	82 00 58.9	4,319
Adventure, road crossing at station.....	33 23 24.9	82 01 08.0	3,175
Road crossing, 20 feet southwest to crossing sign.....	33 22 10.8	82 01 15.1	7,511
Gracewood, railroad track opposite.....	33 22 01.6	82 01 19.9	1,010
Road crossing, 200 feet south to Goodrich signboard.....	33 21 15.8	82 02 50.9	9,003
Bruce, road crossing at station.....	33 21 05.7	82 03 12.2	2,081
Milepost 11, railroad track opposite.....	33 20 49.8	82 03 59.4	4,310
Milton, road crossing at station.....	33 20 26.5	82 04 41.1	4,257
Hephzibah, road crossing under railroad, 3,000 feet north of.....	33 19 22.1	82 05 23.0	7,461

## HEPHZIBAH QUADRANGLE—Continued.

Along Georgia and Florida Ry. from Augusta to Keysville. (By G. T. Hawkins in 1918.)—Con.

Station.	Latitude.	Longitude.	Distance between stations.
Hephzibah, on west side of railroad, opposite north end of railroad station; iron post stamped "Prim. Trav. Sta. No. 1, 1918 H"; 1,800 feet southwest of post is point on northwest rail, azimuth $76^{\circ} 35' 15''$ .....	° ' "	° ' "	<i>Fect.</i>
Road crossing, 600 feet north of house.....	33 18 57.2	82 05 52.6	3,500
Milepost 16, forks in county road 400 feet from.....	33 18 40.2	82 06 53.8	5,475
Road crossing, 20 feet southwest to crossing sign.....	33 18 21.4	82 07 13.2	2,518
Erie, road crossing at station.....	33 18 19.0	82 08 13.1	5,089
Milepost 19, railroad track opposite.....	33 18 11.0	82 09 04.3	4,424
Milepost 20, railroad track opposite.....	33 17 49.3	82 10 08.7	5,889
Blythe, road crossing south of station.....	33 17 42.5	82 11 06.8	4,979
Milepost 22, railroad track opposite.....	33 17 32.2	82 12 06.2	.....
Milepost 23, railroad track opposite.....	33 16 51.6	82 12 30.3	4,584
Milepost 24, road crossing at.....	33 16 21.9	82 13 13.6	4,743
	33 15 31.0	82 13 14.0	5,143

## Along Georgia R. R. near north border of quadrangle.

Augusta yards, road crossing under railroad.....	33 27 32.3	82 00 31.7	.....
Road crossing, 200 feet south to Partridge Inn sign.....	33 27 18.2	82 01 16.2	4,025
Wheelless, road crossing at station.....	33 27 14.9	82 02 44.4	7,475
Milepost 6, railroad track opposite.....	33 27 47.5	82 03 37.7	5,598
Milepost 7, railroad track opposite.....	33 27 21.7	82 04 34.8	5,500
About halfway between mileposts 7 and 8, on north side of railroad and 40 feet toward Augusta from road crossing, 200 feet north of new frame house; iron post stamped "Prim. Trav. Sta. No. 13, 1918 H"; 1,450 feet southwest is point on north rail, azimuth $56^{\circ} 42' 00''$ ; 541 feet northeast is point on north rail, azimuth $239^{\circ} 19' 40''$ .....	33 27 04.96	82 05 07.13	3,220
Road crossing, 200 feet north to house.....	33 26 39.6	82 05 47.7	4,328
Belair, road crossing at station.....	33 26 30.4	82 07 16.4	7,556
Milepost 11, road crossing 200 feet west of.....	33 27 00.8	82 08 12.4	5,644
Log siding, road crossing 200 feet west of switch stand.....	33 27 12.6	81 09 07.2	4,790
Corporate limits sign, opposite railroad track.....	33 27 04.3	82 10 21.4	6,348
Grovetown, 5 miles northeast of, road crossing.....	33 27 25.4	82 11 38.8	6,900
Grovetown, road crossing at station.....	33 27 01.2	82 11 55.7	2,768

## Along highways near north border of quadrangle.

Grovetown, 1 mile northwest of, T road north, 30 feet northeast to mail box.....	33 27 21.9	82 12 38.7	4,152
Grovetown, 2 miles northwest of, north end of iron bridge.....	33 28 01.1	82 13 58.1	7,793
Church, road south of.....	33 28 19.5	82 14 54.1	6,090
Berzelia, 1 mile southeast of, crossroads.....	33 23 32.9	82 14 42.6	.....
Berzelia, about 2.5 miles southeast of, at public crossroads, 80 feet southwest of C. B. Purvis's house, 20 feet northwest of crossroads; iron post stamped "Prim. Trav. Sta. No. 15, 1918 H"; 600 feet south to nail in hub on west side of road, azimuth, $351^{\circ} 32' 15''$ ; 376 feet north to nail in hub on west side of road, azimuth, $167^{\circ} 51' 00''$ .....	33 22 44.8	82 13 45.6	6,870

## Along highways near west border of quadrangle.

Second-class fork to northwest, 400 feet northeast to cluster of houses and large bell.....	33 21 32.9	82 13 02.7	8,128
Hoods Chapel, three corners 1,000 feet south of, 60 feet northeast to cabin opposite.....	33 20 18.7	82 12 59.1	7,505
House on west side of road opposite to drive.....	33 19 22.6	82 12 09.5	7,065
Blythe crossroads, 1.5 miles northeast of.....	33 18 30.9	82 11 53.3	5,410

## Along highways. (By O. B. Walsh in 1918.)

Center of wooden bridge.....	33 18 01.83	82 14 54.71	.....
T road north.....	33 18 09.51	82 13 59.04	4,786
Crossroads at Patterson road, 1 mile north of Blythe.....	33 18 15.27	82 13 07.96	4,372
Cement sign post at road crossing, 0.25 mile north of Blythe.....	33 17 53.20	82 12 19.48	4,679
Railroad crossing south of Blythe railroad station (described previously).....	33 17 32.20	82 12 06.20	2,403

NOTE.—The above line is from Primary Traverse Station No. 22, 1918 H in northwest corner of Spread quadrangle, along the southern border of Dearing quadrangle, to railroad crossing at Blythe railroad station in southwest corner of Hephzibah quadrangle. Latitude error,  $0.24''$ ; longitude error,  $0.62''$ .

Magnetic declination for south border of quadrangle,  $0^{\circ} 48' E.$ ; for north and west borders of quadrangle,  $0^{\circ} 49' E.$

## HILLTONIA QUADRANGLE.

Along highway in north part of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	32 58 22.9	81 33 31.2	.....
Road fork.....	32 57 29.3	81 34 21.8	6,922
Crossroads.....	32 57 09.9	81 35 30.4	6,168
Mears post office, crossroads at.....	32 56 55.3	81 35 54.7	2,540
Bridge over creek.....	32 56 47.3	81 36 18.6	2,191
Road fork.....	32 56 16.0	81 37 24.1	6,417
Road fork, 120 feet east of water tank, Millhaven.....	32 55 59.6	81 38 58.9	8,247

## Spur line unchecked.

Burton's Landing, U. S. Engineers bench mark (concrete monument); azimuth to nail in pine tree 5 feet above ground, 190 feet distant, 350° 40' 30".....	32 56 19.7	81 30 13.1	.....
Road fork.....	32 55 30.1	81 31 22.0	3,804
T road east to Barton's Ferry landing.....	32 56 15.5	81 31 39.6	4,831
T road west.....	32 56 25.2	81 31 45.3	1,096
Do.....	32 57 03.7	81 32 14.7	4,620
Rocky Creek, center of bridge over.....	32 57 37.8	81 32 30.6	3,706
Road fork at E. C. Kain's store.....	32 58 20.4	81 32 52.9	4,711
Crossroads.....	32 59 18.3	81 33 31.7	6,720
Milepost 2, center of road opposite.....	32 59 52.0	81 33 50.8	3,778

## East along highways near south border of quadrangle.

Road fork.....	32 45 06.0	81 37 31.9	4,767
Angle in road.....	32 45 00.7	81 35 13.8	.....
T road north at mail box.....	32 45 01.3	81 34 42.6	2,673
Buck Creek Church, 160 feet N. 40° E. from, 350 feet north of T road corners; iron post stamped "Prim. Trav. Sta. No. 112, 1918 Mac."; azimuth to Bowie monument, 52° 12' 15".....	32 45 11.9	81 31 25.6	2,691
Road fork.....	32 45 42.3	81 31 28.7	3,080
Crossroads.....	32 46 38.9	81 31 19.7	5,777
Road fork.....	32 47 09.8	81 30 50.8	3,980
Do.....	32 47 44.2	81 30 26.0	4,076
T road west.....	32 51 33.2	81 30 00.9	.....
Crossroads.....	32 52 19.6	81 30 21.6	5,012
Road fork.....	32 52 55.9	81 30 44.9	4,172
Road fork 300 feet south of mail box.....	32 53 41.1	81 30 59.2	4,730
Crossroads, 75 feet north of, 15 feet east of center of road, 15 feet north of J. S. Herrington's mail box; iron post stamped "Prim. Trav. Sta. No. 115, 1918 Mac.".....	32 54 53.4	81 31 12.0	7,393

## Along Savannah &amp; Atlanta Ry.

Road crossing.....	32 58 06.1	81 44 26.7	.....
Do.....	32 57 52.4	81 43 52.0	3,270
Do.....	32 57 33.0	81 43 03.0	4,616
Do.....	32 57 12.9	81 42 12.0	4,786
Do.....	32 56 37.3	81 40 42.4	8,456
Do.....	32 56 14.4	81 39 44.5	5,450
Millhaven station, about 2,000 feet southwest of, 520 feet S. 20° E. from public-road crossing of railroad, on prolongation of spur track leading from Millhaven station to main line, 50 feet southwest of spur track and 100 feet from main line; iron post stamped "Prim. Trav. Sta. No. 107, 1918 Mac.".....	32 55 50.0	81 39 14.4	3,561
Creek crossing.....	32 55 08.6	81 39 22.3	4,242
Road crossing.....	32 54 36.4	81 39 27.8	3,290
Milepost 69, center of track opposite.....	32 53 51.1	81 39 35.6	4,628
Road crossing.....	32 53 19.6	81 39 39.8	3,203
Do.....	32 53 02.6	81 39 42.7	1,741
Do.....	32 52 22.2	81 39 49.7	4,130
Creek crossing.....	32 52 02.0	81 39 53.3	2,062

## HILLTONIA QUADRANGLE—Continued

Along highways near west border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	32 56 50.0	81 44 19.1	.....
Do.....	32 56 20.1	81 43 44.9	4,200
Burke and Screven county-line crossing.....	32 56 09.2	81 43 22.2	2,225
Road fork.....	32 55 48.7	81 42 34.3	4,576
Lovett cemetery, crossroad at.....	32 55 27.1	81 42 11.6	2,910
Road fork.....	32 55 17.2	81 42 27.8	1,706
Do.....	32 54 46.4	81 43 04.9	4,448
Do.....	32 54 08.7	81 43 48.6	5,333
Roberts Bridge, 0.25 mile south of, 15 feet south of fence corner, 12 feet west of road, 3 feet east of fence; iron post stamped "Prim. Trav. Sta. No. 117, 1918 Mac."; azimuth to nallin pine tree 700 feet distant, 24° 03' 15".....	32 53 38.9	81 44 23.3	4,227
Crossroads.....	32 52 40.3	81 44 24.8	5,930
Road fork.....	32 52 18.7	81 43 47.9	3,833
Do.....	32 52 15.9	81 43 22.8	2,148
Crossroad at church.....	32 51 52.7	81 42 16.9	6,084
Road fork.....	32 51 24.4	81 42 30.5	3,095
Crossroads at summit of hill.....	32 50 59.3	81 43 12.0	4,360
Crossroads.....	32 50 21.2	81 44 04.2	5,894

Along Sylvania Central Ry. near south border of quadrangle.

Zeigler station, 430 feet north of, 60 feet north of railroad track, 40 feet southeast of road crossing; iron post stamped "Prim. Trav. Sta. No. 118, Mac. Elev. 279"; azimuth to rear end of brick store about 500 feet distant, 267° 52' 00".....	32 45 04.4	81 43 49.1	.....
Intersection of tangent.....	32 45 02.0	81 43 02.4	4,000
Road crossing.....	32 45 23.0	81 41 57.6	5,920
Do.....	32 45 33.4	81 41 16.8	3,642
Do.....	32 45 30.8	81 40 49.0	2,388
Do.....	32 45 19.6	81 39 56.1	4,661

Along highway near west border of quadrangle.

Road fork.....	32 49 34.5	81 44 53.9	.....
House of Mrs. Clara Waters, nail in root of live-oak tree 80 feet west of.....	32 49 19.2	81 44 19.4	3,324
Crossroads.....	32 46 37.7	81 44 33.2	.....
Do.....	32 46 29.4	81 44 04.1	2,578
Road fork.....	32 45 22.2	81 43 37.0	7,188
Bascom Station, 140 feet south of road crossing at, 20 feet west of center of track; iron post stamped "Prim. Trav. Sta. No. 108, 1918 Mac.".....	32 50 22.8	81 40 10.5	.....
Road crossing.....	32 49 46.9	81 40 16.4	3,640
Do.....	32 49 22.5	81 40 23.2	2,540
Do.....	32 48 08.0	81 40 55.8	8,026
Do.....	32 47 41.7	81 40 52.5	2,678
Do.....	32 47 06.9	81 40 28.7	4,064
Do.....	32 46 32.8	81 40 19.5	3,535
Do.....	32 45 48.4	81 39 31.5	6,076
Railroad crossing.....	32 45 17.9	81 38 46.5	4,830

Magnetic declination for west border and east border of quadrangle, 0° 30' E.

## HINESVILLE QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing, 75 feet northeast of mile post "Savannah 41".....	31 45 04.4	81 40 07.7	.....
Road crossing.....	31 45 44.1	81 38 53.6	7,550
Walthonsville station, 210 feet northeast of, 60 feet southeast of center of main track, in open ground; iron post stamped "Prim. Trav. Sta. No. 17, 1917 Mac".....	31 46 10.3	81 38 03.2	5,093
Road crossing.....	31 46 29.9	81 37 27.9	3,630
Allenhurst station, road crossing at.....	31 47 01.7	81 36 28.3	6,065
Palmer siding, road crossing at.....	31 47 49.7	81 34 58.5	9,140



## HINESVILLE QUADRANGLE—Continued.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917).—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing, 85 feet southwest of mile post "Savannah 34".....	31 48 18.8	81 34 04.0	5,550
Road crossing.....	31 48 54.1	81 32 57.8	6,730
McIntosh station, opposite center and about 70 feet north of, 60 feet west of road crossing, 40 feet south of Martin Brother's store, in line of row of shade trees; iron post stamped "Prim. Trav. Sta. No. 18, 1917 Mac".....	31 49 32.27	81 31 47.28	7,205
Road crossing, 400 feet west of milepost S <sub>2</sub> .....	31 49 38.7	81 31 34.2	1,304

Magnetic declination for line, 0° 24' E.

Along highways near west border of quadrangle. (By E. L. McNair in 1917.)

Angle in road (32°).....	31 45 19.0	81 42 42.4	.....
Angle in road.....	31 45 32.3	81 42 14.2	2,780
T road northwest.....	31 46 06.9	81 41 41.8	4,477
Angle in road.....	31 46 39.3	81 41 20.5	3,756
Elam Church, 400 feet S. 72° W. from northwest corner of, in line with road northeast to Hinesville, 25 feet west of road; iron post stamped "Prim. Trav. Sta. No. 28, 1917 Mac."; azimuth to T. J. Tidwell monument in cemetery, 460 feet distant, 284° 03'.....	31 47 20.8	81 41 02.4	4,475
Road west.....	31 47 34.3	81 41 18.2	1,924
Crossroads (Hinesville-Roderick).....	31 48 26.6	81 41 43.4	5,718
Gum Branch post office, 300 feet north of, T road northeast.....	31 49 14.7	81 41 59.0	5,039
Road forks.....	31 49 35.0	81 42 19.7	2,726
Crossroads.....	31 50 17.2	81 43 15.9	6,451
Road forks.....	31 50 47.3	81 43 53.2	4,427
Do.....	31 51 38.4	81 44 56.4	7,505
Angle in road.....	31 55 34.9	81 44 59.0	.....
Road forks.....	31 56 05.2	81 44 45.1	3,291
Frank Mulling's house, T road corners in front of.....	31 56 43.0	81 44 47.8	3,821
Mill pond outlet, center of bridge over.....	31 58 09.3	81 44 49.5	8,723
Second-class road crossing.....	31 59 13.7	81 44 22.5	6,915
Road forks.....	31 59 31.3	81 43 39.4	4,116
Do.....	31 59 37.5	81 43 08.3	2,748
Bacon's store, 0.30 mile from, crossroads.....	31 59 50.1	81 42 46.5	2,265
Angle in road 12 feet south to center of road, 10 feet east to small bridge.....	31 59 58.1	81 42 17.8	2,606
Road forks.....	31 59 49.7	81 40 48.9	7,699

Along highways through center of quadrangle.

T road north to Butler's bridge.....	31 59 16.5	81 36 33.0	.....
Angle in road.....	31 58 39.9	81 36 52.0	4,042
Angle in road, in line with straight road in both directions.....	31 57 55.9	81 37 53.8	6,940
Road forks.....	31 57 26.6	81 38 51.1	5,754
Road west.....	31 56 45.3	81 38 46.3	4,104
Taylor's Creek post office, 0.25 mile north of, 250 feet south of bridge over main branch of Little Canoochee Creek, 100 feet south of forks of road, on point of land between roads; iron post stamped "Prim. Trav. Sta. No. 32, 1917 Mac.".....	31 56 20.0	81 38 40.0	2,613
Road forks.....	31 56 05.5	81 38 26.4	1,876
Road forks at signboard marked "To Savannah".....	31 56 05.3	81 37 50.4	3,100
Farm road crossing near corner of field.....	31 55 47.6	81 37 22.0	3,032
Angle in road.....	31 55 21.5	81 36 45.3	4,126
Do.....	31 54 55.8	81 36 12.5	3,837
Road crossing old abandoned tramway.....	31 54 16.3	81 35 48.4	4,499
Second-class crossroad.....	31 53 48.1	81 35 31.7	3,192
Road forks.....	31 53 04.7	81 35 06.1	4,911
Angle in road.....	31 52 02.9	81 35 23.7	6,424
Hinesville, in west side of courthouse yard, 4 feet north of gate, 3 feet east of fence; iron post stamped "Prim. Trav. Sta. No. 31, 1917 Mac."; azimuth to northeast corner of Hinesville brick bank building distant 166 feet, 350° 33'.....	31 50 51.5	81 35 45.8	7,466
Second-class crossroad.....	31 51 21.1	81 34 20.4	7,950
Flemington post office, T road southwest, 15 feet north and 20 feet west to T road northeast.....	31 51 34.5	81 33 48.8	3,041
Forks of road, second-class road north.....	31 51 18.1	81 33 29.7	2,337
Abandoned tramroad crossing.....	31 50 53.7	81 33 01.3	3,474
Second-class road west.....	31 50 19.6	81 32 21.7	4,554
Road forks.....	31 49 48.7	81 31 45.9	4,390
Prim. Trav. Sta. No. 18 (?) at McIntosh.....	31 49 32.27	81 31 47.28	1,663

NOTE.—In original field book this station was not numbered. Station No. 18 is at Flemington station.

## HINESVILLE QUADRANGLE—Continued.

Along highways near east border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks, road westerly.....	31 52 15.1	81 32 49.1	.....
Road forks, second-class road east.....	31 52 50.8	81 31 56.1	5,821
Angle in road, in line both ways.....	31 53 06.4	81 31 33.3	2,526
Crossing of old, abandoned tramroad.....	31 53 42.3	81 31 22.3	3,752
Do.....	31 54 12.4	81 31 12.8	3,143
Flemington post office, 5 miles northeast of, 400 feet north of a second-class crossroad on knoll, 20 feet east of center of road, 4 feet west of corner of rail fence; iron post stamped "Prim. Trav. Sta. No. 33, 1917 Mac."; azimuth to north edge of brick chimney on white house with blinds, about 600 feet distant, 53° 26'.....	31 54 54.3	81 31 06.1	4,281
T road corners, east, west, and south.....	31 56 14.0	81 31 35.5	8,435
Road forks, private (?) road northerly.....	31 56 34.7	81 30 53.2	4,207
Angle in road.....	31 57 09.3	81 30 15.2	4,780
Tramroad crossing.....	31 58 54.8	81 30 20.7	.....
T road northwest.....	31 58 33.4	81 30 57.5	3,831
Angle in road.....	31 58 21.2	81 31 33.4	3,338
Small bridge over drainage ditch, at corner of field on north.....	31 58 12.9	81 32 39.8	5,776
Center of road between turpentine still and sawmill.....	31 58 13.5	81 33 16.0	3,125
T road south, 90 feet east of small water-oak tree, halfway between road and yard fence.....	31 58 40.8	81 34 23.5	6,436
T road northwest at fence corner.....	31 59 06.6	81 35 07.0	4,561
Crossroads.....	31 59 42.1	81 35 40.6	4,614
Butler Bridge over Canoochee River, S. 60° W. and 270 feet distant from south end of, in line with road over bridge, 20 feet south of wagon road; iron post stamped "Prim. Trav. Sta. No. 35, 1917 Mac."; azimuth to tenpenny nail driven in pine tree 5 feet above ground 220 feet distant, 225° 41' 30".....	31 59 32.0	81 36 00.8	2,022
T road north.....	31 59 16.49	81 36 32.95	3,178

Magnetic declination for west border of quadrangle, 0° 44' E.; for north border of quadrangle, 0° 30' E.; for east border of quadrangle, 0° 28' E.

Near north border of quadrangle. (By Oscar Jones in 1918.)

Crossroads.....	31 59 42.1	81 35 40.5	.....
Butler Bridge, "Prim. Trav. Sta. No. 35, 1917 Mac.".....	31 59 32.0	81 36 00.8	2,028

## HOMERVILLE QUADRANGLE.

Along Atlantic Coast Line R. R. southwest across quadrangle near southeast corner. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing, 665 feet southwest of milepost 124.....	31 02 35.2	82 46 17.5	.....
Switch stand at spur track.....	31 01 27.6	82 46 37.5	1,901
Road crossing.....	31 01 05.3	82 47 35.6	5,525
Cutting, 400 feet southwest of station, road crossing.....	31 00 45.0	82 48 28.4	5,035
Private-road crossing, 265 feet southwest of milepost 128.....	31 00 11.8	82 49 55.0	8,250

## HORTENSE QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing, center of track at.....	31 15 05.9	81 58 28.7	.....
Raybon tower, west of, 3 feet east of fence line, 1,575 feet south of road crossing at freight platform, 1,250 feet north of switch stand at south end of siding, 73 feet west of center of track; iron post stamped "Prim. Trav. Sta. No. 9, 1917 Mac." azimuth to switchstand at north end of siding, distant 1,300 feet, 194° 16' 30'.....	31 15 30.6	81 58 24.2	2,523
Road crossing, center of track.....	31 15 45.8	81 58 20.0	1,572
Milepost "Savannah 81," center of track opposite.....	31 16 10.7	81 58 14.5	2,565
South end of trestle, center of track.....	31 16 50.8	81 58 05.8	4,125
Satilla River, center of steel truss bridge over.....	31 17 49.6	81 57 52.9	6,044
Little Satilla River, center of steel girder bridge over.....	31 18 42.7	81 57 41.8	5,443
Hortense, 1.25 miles south of, intersection of long tangents.....	31 19 06.0	81 57 36.7	2,400
Hortense, 80 feet southeast from intersection of railroads, 74 feet east of Atlantic Coast Line R. R. and 48 feet south of Atlanta, Birmingham & Atlantic R. R.; iron post stamped "Prim. Trav. Sta. No. 10, 1917 Mac."; azimuth to semaphore post 2,000 feet south, 14° 07' 30'.....	31 20 11.9	81 57 18.9	6,827
Milepost "Savannah 76," center of track opposite.....	31 20 26.9	81 57 15.9	1,540
Second-class road crossing, center of track.....	31 21 03.8	81 57 06.4	3,820
Milepost "Savannah 74," center of track opposite.....	31 22 09.0	81 56 49.8	6,740
Road crossing, center of track.....	31 22 37.2	81 56 42.5	2,915
Switch stand at south end of siding.....	31 23 23.6	81 56 30.6	4,805
McKinnon flag station, road crossing.....	31 24 10.8	81 56 18.6	4,875
Milepost "Savannah 71," track opposite.....	31 24 42.2	81 56 10.5	3,245
Road crossing, center of track.....	31 25 34.4	81 55 57.2	5,400
Milepost "Savannah 69," track opposite.....	31 26 24.2	81 55 44.4	5,155
Road crossing, center of track.....	31 27 40.8	81 55 24.7	7,925
Broadhurst, N. 60° W. 75 feet distant from road crossing, 25 feet north of roadway, 2.5 feet east of wire fence; iron post stamped "Prim. Trav. Sta. No. 11, 1917 Mac.".....	31 28 27.9	81 55 13.5	4,857
Road crossing, center of track.....	31 28 59.4	81 55 04.5	3,276

Magnetic declination for line, 0° 52' E.

Along Atlanta, Birmingham &amp; Atlantic R.R. in south part of quadrangle. (By Oscar Jones in 1917.)

Road crossing.....	31 19 18.1	81 45 00.8	.....
East abutment of trestle.....	31 19 43.0	81 45 56.8	5,467
Browntown, 0.5 mile east of; road crossing (tie line from Grange- ville).....	31 20 12.4	81 46 33.8	4,370
Browntown, road crossing.....	31 20 24.3	81 47 01.2	2,670
Road crossing.....	31 20 50.6	81 48 02.4	5,930
Do.....	31 20 48.0	81 48 41.7	3,420
Do.....	31 20 37.4	81 49 32.6	4,540
Fendig, road crossing.....	31 20 26.3	81 50 26.2	4,790
Road crossing.....	31 20 15.8	81 51 51.6	7,477
Do.....	31 20 06.1	81 53 16.8	7,460
Needmore, road crossing.....	31 20 00.8	81 54 03.1	4,050
Road crossing.....	31 19 55.6	81 54 48.5	3,970
Do.....	31 19 58.7	81 56 06.5	6,778
Do.....	31 20 04.2	81 56 35.6	2,580
Hortense, crossing of Atlantic Coast Line and Atlanta, Birming- ham & Atlantic railroads.....	31 20 12.5	81 57 19.6	3,910
Road crossing.....	31 20 26.5	81 58 34.3	6,634
Do.....	31 20 32.2	81 59 04.4	2,070
Do.....	31 20 36.8	81 59 29.0	2,190
Do.....	31 20 42.4	81 59 58.7	2,640

Along highways in east part of quadrangle.

Crossroads.....	31 26 00.9	81 45 03.0	.....
Do.....	31 25 27.8	81 45 06.8	3,360
Do.....	31 24 42.3	81 45 23.6	4,822
Point in road opposite milepost 18.....	31 24 01.6	81 45 36.1	4,254
Bed of old tramway.....	31 23 46.1	81 45 40.4	1,600
Point in road opposite milepost 19.....	31 23 06.1	81 45 51.3	4,151
Road forks.....	31 22 49.1	81 45 55.7	1,759
Do.....	31 22 13.9	81 45 57.6	3,560
Road forks at church.....	31 21 24.7	81 45 58.3	4,960
Road forks.....	31 20 56.1	81 46 10.4	3,076
Browntown, 0.5 mile east of, center of track on Atlanta, Birming- ham & Atlantic R. R.....	31 20 12.4	81 46 33.8	4,864

## JEFFERSONVILLE QUADRANGLE.

East along highways near north border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road forks, center of.....	32 44 51.5	83 28 52.6	.....
Road forks to southwest, center of.....	32 44 21.4	83 29 07.6	3,306
Road forks, in center of triangle at; iron post stamped "Prim. Trav. Sta. No. 13, 1916".....	32 43 50.8	83 29 08.8	3,092
Glenland schoolhouse, southwest corner of.....	32 43 22.9	83 28 45.1	3,468
Road forks, center of.....	32 43 06.1	83 28 09.8	3,456
Do.....	32 43 12.8	83 26 49.0	6,942
Ripley station, center of road crossing on Macon, Dublin & Savannah R. R.....	32 43 29.1	83 24 59.9	9,466
Road crossing, center of track on Macon, Dublin & Savannah R. R.....	32 43 06.0	83 24 23.7	3,865
Road crossing, Macon, Dublin & Savannah R. R.....	32 43 01.6	83 23 41.4	3,645
Farm road to north, center of forks.....	32 43 32.4	83 23 14.1	3,887
Lane to south, center of road forks at.....	32 44 19.1	83 22 57.5	4,938
Road forks to northeast, center of.....	32 44 40.4	83 22 32.8	3,010
Road forks at R. F. D. mail box No. 7, center of.....	32 44 52.9	83 21 28.4	5,652
Forks of Jeffersonville-Gordon and Jeffersonville-Irwinton roads, in center of small triangle at; iron post stamped "Prim. Trav. Sta. No. 14, 1916".....	32 44 24.2	83 20 55.0	4,063

Magnetic declination for north border of quadrangle, 1° 30' E.

## JESUP QUADRANGLE.

By U. S. Coast and Geodetic Survey in 1917.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Jesup, on east railing of iron bridge carrying track of Southern Ry. main line over tracks of Atlantic Coast Line R. R., about 3 feet east of right rail of Southern track, directly over south rail of Atlantic Coast Line track, marked by a cross cut deep into the top of the iron railing.....	31 36 29.60	81 52 43.89	.....
NOTE—This point was located at the request of Mr. Jones, of the Geological Survey, in charge of traverse work in that region.			

Along highways near west border of quadrangle. (By E. L. McNair in 1917.)

Crossroads.....	31 44 56.1	81 57 50.4	.....
Crossroads, center line of.....	31 44 13.8	81 57 54.2	4,301
Road forks near small brook.....	31 43 26.2	81 57 32.6	5,157
Road forks close to running stream.....	31 42 58.6	81 57 39.9	2,855
T road southwest.....	31 42 16.7	81 57 24.2	4,449
T road southwest to Odum.....	31 41 50.8	81 57 05.1	3,085
Consolidated school, T road southwest at.....	31 41 24.8	81 56 42.2	3,294
Right angle in road.....	31 40 46.0	81 56 49.9	3,972
Road forks 100 feet west of small stream.....	31 40 11.3	81 57 08.8	3,867
Ford across creek, just below mill pond.....	31 39 52.6	81 56 57.4	2,138
Crossroads.....	31 38 56.3	81 57 09.1	5,772
Nesbitt, Prim. Trav. Sta. No. 14, 1917. (See p. 107 for description.)	31 38 23.6	81 57 20.0	3,438

## At Jesup.

Prim. Trav. Sta. No. 13, 1917 (previously described).....	31 36 25.0	81 52 48.0	.....
U. S. Coast and Geodetic Survey traverse station L 19 (?), 200 feet south of overhead bridge of Southern Ry. at Jesup, 20 feet west of Southern Ry. track; concrete monument with tablet in top, marked "Jesup 1917" and bearing legend.....	31 36 28.01	81 52 42.54	562

Along Georgia Coast &amp; Piedmont R. R. in northeast part of quadrangle.

Public-road crossing.....	31 43 40.6	81 45 42.6	.....
Second-class road crossing, 780 feet southeast of old road crossing at switch stand.....	31 44 12.1	81 46 15.8	4,285
Public-road crossing.....	31 44 36.6	81 46 41.6	3,330

Magnetic declination for west border of quadrangle, 0° 47' E.

## JESUP QUADRANGLE—Continued.

Along Southern Ry. from Pendarvis to Jesup. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	31 30 12.6	81 45 29.9	.....
Pendarvis signboard, center of track opposite (by computation from "PEN" U. S. C. & G. S. station).....	31 30 26.5	81 45 46.0	1,990
Road crossing.....	31 30 59.4	81 46 24.2	4,660
Sawmill, road crossing.....	31 31 31.0	81 47 00.2	4,480
Gardi, road crossing.....	31 32 16.4	81 47 52.4	6,440
Road crossing.....	31 33 09.6	81 48 53.6	7,540
Odessa, road crossing.....	31 33 26.6	81 49 13.1	2,410
Trestle, east abutment of.....	31 33 58.0	81 49 49.2	4,460
Road crossing.....	31 34 56.6	81 50 56.6	8,310
Do.....	31 35 43.3	81 51 50.2	6,620
Main line junction.....	31 36 21.4	81 52 34.2	5,410
Jesup, iron post (previously described).....	31 36 18.7	81 52 57.0	1,951

From Jesup southwest along Atlantic Coast Line R. R.

Jesup, 0.9 mile southwest of, road crossing at section house.....	31 35 44.5	81 53 34.7	.....
Road crossing.....	31 34 53.9	81 54 31.6	7,100
Do.....	31 34 37.1	81 54 50.7	2,380
Center of trestle.....	31 33 59.1	81 55 33.4	5,320
Road crossing.....	31 33 12.6	81 56 25.6	6,520
Road crossing at sawmill.....	31 32 07.8	81 57 38.3	9,090
Road crossing.....	31 31 19.8	81 58 32.3	6,740
Do.....	31 30 39.0	81 59 17.9	5,700
Do.....	31 30 11.6	81 59 48.7	3,860

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Road crossing, center of track.....	31 30 47.0	81 54 36.9	11,134
Do.....	31 32 27.0	81 54 11.2	10,346
Do.....	31 33 53.5	81 53 49.0	8,950
Do.....	31 34 56.8	81 53 32.7	6,550
Do.....	31 35 47.7	81 53 19.6	5,269
Jesup station, 150 feet southwest of, 33 feet northwest of nearest track, 14 feet southeast of line of posts on station grounds; iron post stamped "Prim. Trav. Sta. No. 12, 1917 Mac.".....	31 36 18.7	81 52 57.0	3,704
Jesup station, 700 feet southeast of, 230 feet south of city water tower, 70 feet southeast from center of main track of Atlantic Coast Line R. R., 6 feet northwest of telephone pole; iron post stamped "Prim. Trav. Sta. No. 13, 1917 Mac.".....	31 36 25.0	91 52 48.0	1,002
Milepost "Savannah 56," near center of short trestle opposite.....	31 37 04.8	81 52 04.3	5,514
Switch stand at turnout.....	31 37 51.8	81 51 11.3	6,595
Road crossing.....	31 38 02.6	81 50 59.1	1,510
Doctortown siding, switchstand at southwest end of.....	31 38 43.1	81 50 13.4	5,680
Doctortown siding, road crossing at.....	31 38 49.4	81 50 06.6	870
Doctortown, 122 feet south by 53 feet west of, 43 feet northwest of center of track, in line of planted shade trees; iron post stamped "Prim. Trav. Sta. No. 15, 1917 Mac.".....	31 39 10.9	81 49 46.4	2,779
Altamaha River, center of draw span over.....	31 39 15.5	81 49 41.2	649
Long trestle, south end of.....	31 40 03.0	81 48 55.1	6,225
Milepost "Savannah 50" opposite.....	31 40 53.9	81 47 55.0	7,311
Road crossing, second class.....	31 41 44.7	81 46 20.4	9,650
Milepost "Savannah 47" opposite.....	31 42 17.3	81 45 19.5	6,200

West along Southern Ry. from Jesup to Nesbitt. (Unchecked spur line.)

Primary Traverse Station No. 13 (previously described).....	31 36 25.0	81 52 48.0	.....
Road crossing.....	31 36 47.7	81 53 04.9	2,723
Do.....	31 37 11.7	81 53 48.0	4,450
Road crossing, 630 feet west of milepost 385.....	31 37 43.4	81 55 20.5	8,610
Road crossing.....	31 37 54.8	81 55 53.5	3,080
Do.....	31 38 08.4	81 56 33.5	3,720
Nesbitt flag station, 300 feet west of road crossing at, 75 feet south of center of main track, just north of public road; iron post stamped "Prim. Trav. Sta. No. 14, 1917 Mac".....	31 38 23.6	81 57 20.0	4,306

Magnetic declination for line, 0° 10' W.

121166°—23—Bull. 709—8

## KINGSLAND QUADRANGLE.

Along Atlantic Coast Line and Atlantic, Waycross &amp; Northern railroads. (By J. B. Leavitt in 1917.)

Station.	Latitude	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 34, center of track opposite.....	30 45 10.6	81 41 18.0	.....
Private-road crossing.....	30 45 49.8	81 41 16.6	3,960
Milepost 35, center of track opposite.....	30 46 02.9	81 41 16.2	1,320
Trestle A-36, over stream, center of.....	30 46 24.3	81 41 15.4	2,170
Public-road crossing.....	30 46 48.8	81 41 15.2	2,475
Do.....	30 47 16.3	81 41 20.7	2,820
Old grade crossing.....	30 47 44.2	81 41 26.4	2,860
Kingsland, 150 feet north of Carleton Hotel, at southwest corner of street intersection, 150 feet west of railroad station; iron post stamped "Prim. Trav. Sta. No. 14, 1917"; azimuth to center of track, 170° 04' 32".....	30 47 53.6	81 41 30.1	1,008
Kingsland, 0.25 mile east of, public-road crossing.....	30 47 47.3	81 41 06.4	2,168
Trestle, elevation 24.8 feet.....	30 47 45.5	81 40 40.6	2,252
Kingsland, 1 mile east of, just east of old sawmill site, 30 feet southeast of telephone post marked "T. R. x 32.3".....	30 47 31.0	81 39 53.8	4,341
Kingsland, 4.2 miles southeast of, 200 feet west of private-road crossing, 45 feet south of center of track; iron post stamped "20 1917".....	30 46 46.2	81 37 32.1	7,853
Public-road crossing, 180 feet east of telephone pole, marked "24.9 feet".....	30 47 13.1	81 38 56.6	5,308
Scotchville station, 15 feet north of platform, in center of tie; nail; elevation of track 23.0 feet.....	30 46 18.6	81 37 09.6	10,837
Public-road crossing.....	30 46 11.5	81 37 05.5	800
Second-class road crossing, opposite telephone pole, marked "T. R. 19.3".....	30 45 43.2	81 36 38.8	3,693
Public-road crossing opposite t. b. m. 16.2 feet.....	30 45 08.1	81 35 20.0	7,740

Along highways near south border of quadrangle. (By J. B. Leavitt in 1917.)

Primary Traverse Station No. 14, 1917, at Kingsland (previously described).....	30 47 53.6	81 41 30.1	.....
Unfinished frame house, center of road opposite.....	30 48 18.8	81 42 31.1	5,900
Old railroad grade crossing, at second-class fork to south.....	30 48 29.4	81 43 53.1	7,231
Signboards painted "Kingsland, St. Marys," 30 feet west of, at southwest corner of cornfield, road forks.....	30 48 43.7	81 44 49.9	5,162

Along Seaboard Air Line Ry. in west part of quadrangle. (By Oscar Jones in 1917.)

Road crossing.....	30 59 37.4	81 43 51.1	.....
Refuge, opposite switch stand.....	30 59 22.0	81 43 48.0	1,570
Trestle, north end.....	30 58 32.1	81 43 37.8	5,120
Trestle, south end.....	30 58 24.3	81 43 36.2	800
Woodbine, 300 feet south of station, at junction of line to Ceylon..	30 58 02.0	81 43 31.6	2,292
Woodbine, 300 feet south by 123 feet southwest of; iron bench-mark post.....	30 58 01.6	81 43 33.0	123
Road crossing.....	30 56 34.6	81 43 13.8	8,947
Do.....	30 56 10.2	81 43 08.9	2,499
Colesburg, road crossing.....	30 55 23.3	81 42 59.4	4,810
Colesburg, Dixie highway crossing.....	30 55 05.1	81 42 55.6	1,870
Trestle, north end.....	30 53 57.9	81 42 42.0	6,880
Seals, road crossing.....	30 52 14.3	81 42 21.0	10,620
Dixie highway crossing.....	30 52 02.7	81 42 18.6	1,190
Road crossing.....	30 51 07.2	81 42 07.4	5,690
Do.....	30 50 34.6	81 42 00.8	3,340
Trestle, south end of.....	30 49 54.0	81 42 52.7	4,170
Road crossing.....	30 49 19.9	81 41 45.8	3,491
Do.....	30 48 42.8	81 41 38.3	3,810
Kingsland, 75 feet west of northwest corner of station, 2 feet north of right-of-way post; iron post stamped "Prim. Trav. Sta. No. 14, K 1917".....	30 47 53.6	81 41 30.1	5,015

Near Colesburg. (By E. L. McNair in 1917.)

T road northwest, at signboard painted "Owen Ferry".....	30 55 10.2	81 44 49.8	.....
Colesburg, road crossing, center of Seaboard Air Line Ry.....	30 55 23.3	81 42 59.36	9,705

Magnetic declination near Colesburg, 1.0° E.

**KINGSLAND QUADRANGLE—Continued.****Along highways.**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Bridge over small creek, center of.....	30 45 41.8	81 33 02.4	4,440
Bridge marked "15.4".....	30 46 03.9	81 32 53.2	2,369
St. Marys, 4 miles northwest of, in road forks; iron post stamped "Prim. Trav. Sta. No. 25 K".....	30 46 11.9	81 32 48.7	904
Old railroad grade crossing, elevation 203.....	30 46 45.0	81 33 05.5	3,649
Culvert marked "18.0".....	30 47 20.4	81 33 03.2	3,583
T. b. m. 17.2, marked pine tree, 10 feet west of, at center of road.....	30 47 49.7	81 32 48.8	3,222
Crossroads, 60 feet north of, at T road north to Marianna Bluff; road east leads to St. Peters and road west along river; iron post stamped "Prim. Trav. Sta. No. 26 K".....	30 48 33.3	81 32 33.9	4,591
Elliot Bluff, at center of road, opposite Mr. Pacettis's gate; nail.....	30 49 39.2	81 33 09.6	7,344
T. b. m. 22.9, center of road opposite.....	30 49 46.2	81 33 36.3	2,443
T road east, 80 feet east of J. D. Herrin's mail box, about 600 feet southwest of negro Baptist Church, marked "21.9" on post....	30 49 59.4	81 33 53.9	2,030
Road fork north, near stump marked "17.5".....	30 50 12.3	81 33 56.8	1,333
Gate marked "13.8".....	30 50 39.7	81 33 47.9	2,876
Raymond Lewis's house, 300 feet east of, 15 feet west of corner of board fence, in edge of marsh; stake with nail in center.....	30 51 55.8	81 35 04.7	10,195
Harriet's Bluff, 400 feet north side of Crooked River, 100 feet southeast of road forks, 7 feet from 16-inch pine tree; iron post stamped "Prim. Trav. Sta. No. 27 K".....	30 52 13.7	81 35 05.7	1,818
T road northeast.....	30 53 06.0	81 35 18.5	5,395
Old sawmill and old shack, 300 feet west of, 100 feet south of dim crossroads, 15 feet southwest of pine tree blazed with a small cross, center of county road.....	30 54 38.8	81 35 52.6	9,847
Forest View Church, 40 feet southeast of, 20 feet east of center of road; iron post stamped "Prim. Trav. Sta. No. 28 K".....	30 55 29.4	81 35 35.8	5,308
Hermitage Swamp, center of bridge over creek in.....	30 55 39.7	81 36 43.4	5,981

**From St. Marys northwest along highways to Ceylon.**

Road forks, second-class road north along a woven wire fence through a large pasture.....	30 55 43.7	81 36 53.8	995
Abandoned tram-road crossing, 2 feet from wire fence; nail in tie.....	30 56 02.2	81 37 03.6	2,058
House, 10 feet southwest of corner of yard, a pole at the corner has cross arms suspending gourds for birds' nests.....	30 56 25.4	81 37 24.3	2,952
Road forks just east of swamp.....	30 57 31.1	81 38 07.0	7,611
Ceylon, Prim. Trav. Sta. No. 11J (not described).....	30 57 44.7	81 39 07.5	5,452

**From Ceylon west along highway to Woodbine. (By Oscar Jones in 1917.)**

Old tramway-bed crossing.....	30 57 14.6	81 39 04.6	3,047
Crossroads at house.....	30 56 38.1	81 39 45.6	5,137
Road forks at A. B. Lang's mail box.....	30 56 37.1	81 40 16.5	2,700
Crossroads.....	30 56 54.0	81 40 48.6	3,284
Road forks at church.....	30 57 13.2	81 41 47.8	5,505
Crossroads.....	30 57 26.5	81 42 10.8	2,415
Road forks.....	30 57 37.1	81 43 02.2	2,965
Woodbine, road crossing.....	30 58 02.0	81 43 31.6	1,502

**LELIATON QUADRANGLE.****From north border of quadrangle southwest along Georgia & Florida Ry. to west corner of quadrangle. (Unchecked spur line by Oscar Jones in 1917.)**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	31 29 48.4	82 51 09.4	.....
Do.....	31 29 15.0	82 51 36.0	4,083
Do.....	31 28 37.9	82 52 15.4	5,080
North end of trestle.....	31 28 16.5	82 52 38.0	2,910
Road crossing.....	31 27 59.3	82 52 53.3	2,189
Do.....	31 27 26.0	82 53 22.2	4,190
Vickers, road crossing at.....	31 27 02.0	82 53 43.0	3,020
Road crossing.....	31 26 51.0	82 53 59.8	1,838
Bear Creek, road crossing at station.....	31 26 45.2	82 54 37.6	3,320
St. Ila, road crossing at.....	31 26 29.5	82 56 12.6	8,386
Road crossing.....	31 25 32.2	82 56 41.2	6,300
Mora, road crossing at.....	31 24 50.0	82 57 13.9	5,123
Road crossing.....	31 24 31.2	82 57 32.4	2,480
Do.....	31 24 02.4	82 57 56.1	3,563
Do.....	31 23 29.2	82 58 21.1	3,995
Oberry, road crossing at.....	31 23 06.2	82 58 49.2	3,360
Center of small trestle.....	31 22 42.2	82 59 30.3	4,315

## LIMERICK QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	" ' "		Feet.
Milepost "Savannah 29," track opposite.....	31 50 36.6	81 29 45.6	.....
Private-road crossing at sawmill.....	31 50 44.0	81 29 31.6	1,415
Road crossing, 400 feet west of milepost "Savannah 27".....	31 51 29.5	81 28 06.1	8,700
Road crossing, 550 feet east of milepost "Savannah 26".....	31 52 02.4	81 27 04.4	6,270
Road crossing.....	31 52 22.4	81 26 26.8	3,816
Fleming station, 150 feet west of, 30 feet northwest of center of track; iron post stamped "Prim. Trav. Sta. No. 18, 1917 Mac". (Feb. 3, 1919, moved 77.3 feet west of above-described position).	31 52 48.7	81 25 37.9	.....
Fleming station, 600 feet north of north end of siding at, road crossing.....	31 53 10.6	81 24 56.2	.....
Road crossing.....	31 53 59.4	81 23 24.3	9,340
Do.....	31 54 19.8	81 22 45.9	3,895
Road crossing at sawmill.....	31 54 49.0	81 21 50.9	5,685
Road crossing.....	31 55 02.2	81 21 26.0	2,520
Milepost "Savannah 18," opposite.....	31 55 40.7	81 20 13.4	7,375
Road crossing 450 feet northeast of milepost "Savannah 17".....	31 56 10.8	81 19 16.6	5,755
Ways station, road crossing.....	31 56 36.6	81 18 28.1	4,825
Ogeechee River, center of draw span over.....	31 57 14.2	81 17 17.0	7,213
Road crossing, second class.....	31 58 06.4	81 15 38.6	9,982

Magnetic declination for quadrangle, 0° 40' E.

Along highways near north border of quadrangle. (By E. L. McNair in 1917.)

Bryan-Liberty county line, center of road, 750 feet west of H. E. Drigger's house.....	31 57 52.5	81 28 07.7	.....
Flemington-Clyde road, 30 feet west and 15 feet north of T road corners, where road north leads to new bridge over Canoochee River; iron post stamped "Prim. Trav. Sta. No. 34, 1917 Mac"; azimuth to 10-penny nail in pine tree, 870 feet north, 185° 30'.....	31 57 58.0	81 27 32.6	3,077
Angle in road at point 20 feet north of bend in road.....	31 58 44.3	81 27 42.1	4,746
Angle in road, point about center of road.....	31 59 08.4	81 28 21.2	4,159
Road forks and second-class crossroad.....	31 59 12.7	81 28 51.5	2,648
Angle in road.....	31 59 11.5	81 29 49.5	4,996

Magnetic declination for west border of quadrangle, 0° 28' E.

Along Seaboard Air Line Ry. (By E. L. McNair in 1917.)

Ways station, 200 feet south of, 60 feet southeast from road cross- ing, 20 feet northeast of center of public road; iron post stamped "Prim. Trav. Sta. No. 21, 1917 Mac".....	31 56 17.1	81 18 11.9	.....
Private-road crossing.....	31 55 25.4	81 18 57.2	6,511
Mile post 120, center of track opposite.....	31 54 28.6	81 19 46.1	7,131
Marshall siding, switch stand at north end of.....	31 53 18.6	81 20 46.4	8,774
Private-road crossing.....	31 52 54.6	81 21 07.1	3,010
Trestle over creek, center of.....	31 51 30.7	81 22 19.4	10,525
Second-class road crossing.....	31 50 49.7	81 22 52.1	5,012
Limerick, road crossing.....	31 50 11.5	81 23 09.8	4,145
Private-road crossing.....	31 49 06.7	81 23 40.0	7,051
Do.....	31 48 27.7	81 23 58.2	4,240
Dorchester station, 220 feet south of southeast corner of, about 575 feet south of road crossing, 50 feet east of center of main track; iron post stamped "Prim. Trav. Sta. No. 22, 1917 Mac".....	31 47 37.4	81 24 21.0	5,449
Private-road crossing.....	31 46 44.6	81 24 46.2	5,760
Do.....	31 45 55.1	81 25 09.2	5,386
Mile post 108, 230 feet north of, road crossing.....	31 45 20.7	81 25 25.2	3,740



LINCOLNTON QUADRANGLE.

Along highways near south border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Fect.</i>
T road northeast.....	33 45 03.8	82 19 34.3	.....
Forks of road, on south side of road, 100 feet west to store, 50 feet north to red-oak tree with platform built under it; iron post stamped "Prim. Trav. Sta. No. 35, 1918 H".....			
T road north.....	33 45 07.4	82 19 58.1	2,045
Cross roads at blacksmith shop.....	33 45 35.3	82 20 28.7	3,831
Road forks.....	33 46 21.2	82 22 19.3	10,425
Bridge.....	33 46 23.6	82 22 34.3	1,293
Road forks.....	33 46 27.9	82 23 47.6	6,208
T road south.....	33 46 31.1	82 24 28.3	3,446
Road forks.....	33 46 51.6	82 25 10.6	4,137
Road forks.....	33 47 10.0	82 26 02.0	4,716
Road forks north of bridge.....	33 47 20.6	82 26 22.5	2,047
Second-class road forks.....	33 47 12.0	82 26 55.8	2,933
Lincolnton, crossroads at Lincolnton Mercantile Co.....	33 47 20.5	82 28 35.5	8,459
Lincolnton, crossroads at cemetery.....	33 47 20.8	82 28 48.8	1,130
Railroad crossing.....	33 46 17.0	82 29 50.6	8,297

Magnetic declination for south border of quadrangle, 0° 40' E.

LUADOWICI QUADRANGLE.

Northeast along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Fect.</i>
Ludowici station, 121 feet southwest of corner of, 130 feet south of crossing of Main Street and Atlantic Coast Line R. R., 25 feet southwest of concrete walk, in open square, near two pine trees; iron post stamped "Prim. Trav. Sta. No. 16, 1917 Mac".....	31 42 35.6	81 44 42.9	.....
Ludowici, intersection of Atlantic Coast Line and Georgia Coast & Piedmont railroads.....	31 42 39.4	81 44 38.3	560
Road crossing.....	31 43 16.6	81 43 29.0	7,064
Do.....	31 43 51.6	81 42 23.6	6,665
Baseot siding, road crossing.....	31 44 27.6	81 41 16.5	6,835
Road crossing, 370 feet northeast of milepost "Savannah 42".....	31 44 38.2	81 40 56.6	2,025

Magnetic declination for line, 0° 16' E.

Along highways near northwest corner of quadrangle. (By E. L. McNair in 1917.)

Angle in road.....	31 43 38.3	81 44 26.3	.....
Road forks.....	31 44 13.4	81 43 46.7	4,925
Bridge about 100 feet long, center of.....	31 44 35.3	81 43 22.0	3,074

Along Seaboard Air Line and Georgia Coast & Piedmont railroads. (By E. L. McNair in 1917.)

Warsaw, opposite station, 55 feet west and 20 feet south of intersection of Seaboard Air Line and Georgia Coast & Piedmont roads; iron post stamped "Prim. Trav. Sta. No. 23, 1917, Mac".....	31 35 28.2	81 30 01.3	.....
Private-road crossing.....	31 35 43.1	81 31 29.0	7,736
Intersection of tangents.....	31 35 54.7	81 32 38.1	6,090
T. b. m. at end of trestle.....	31 36 36.2	81 33 49.5	7,465
Intersection of tangents.....	31 36 58.5	81 34 27.8	4,005
Old private-road crossing.....	31 37 17.4	81 35 12.0	4,270
Intersection of tangents.....	31 37 31.5	81 35 44.9	3,180
Tibet siding, 65 feet north of switchstand at south end of, 10 feet south of fence; iron post stamped "Prim. Trav. Sta. No. 24, 1917 Mac".....	31 37 37.1	81 36 18.2	2,939
Intersection of tangents.....	31 37 39.2	81 36 36.4	1,589
Public-road crossing.....	31 37 47.6	81 36 48.0	1,310
Old road crossing.....	31 38 16.6	81 37 27.8	4,521
Do.....	31 38 41.2	81 38 01.8	3,846
Goose Pond, road crossing at.....	31 39 20.2	81 38 55.4	6,084
Road crossing.....	31 39 45.2	81 39 29.8	3,905

## LUDOWICI QUADRANGLE—Continued.

Along Seaboard Air Line and Georgia Coast & Piedmont railroads. (By E. L. McNair in 1917.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing at "t. b. m. 79.4" .....	31 40 03.7	81 39 55.4	2,895
Intersection of tangents.....	31 40 45.1	81 40 52.2	6,449
Iron post 48 feet north by 28 feet east of road crossing, set by levelman.....	31 40 53.2	81 41 08.4	1,622
Trestle across large creek.....	31 41 09.8	81 41 45.4	3,611
Road crossing.....	31 41 24.9	81 42 18.0	3,205
Road crossing at elevation 69.5.....	31 41 51.8	81 43 16.1	5,705
Public-road crossing.....	31 42 09.3	81 43 53.8	3,711
Intersection of tangents.....	31 42 20.7	81 44 18.6	2,431
Ludowici, intersection of Atlantic Coast Line and Georgia Coast & Piedmont railroads (previously described).....	31 42 39.4	81 44 38.3	2,548

Magnetic declination near northwest corner of quadrangle, 0° 48' E.

## Along Seaboard Air Line Ry. (By Oscar Jones in 1917.)

South abutment of small trestle.....	31 30 13.6	81 32 27.0	.....
Road crossing.....	31 30 52.8	81 32 08.8	4,260
Sign "Townsend 1 mile," track opposite.....	31 31 24.3	81 31 54.1	3,430
Townsend, road crossing.....	31 32 24.5	81 31 26.2	6,540
North end of trestle.....	31 33 02.5	81 31 08.5	4,130
Road crossing.....	31 33 44.6	81 30 48.9	4,580
South end of trestle.....	31 34 33.9	81 30 26.0	5,360
Warsaw (Darien Junction), crossing of Seaboard Air Line and Georgia Coast & Piedmont railroads.....	31 35 28.4	81 30 00.7	5,917

## LUMBER CITY QUADRANGLE.

Along highways in south part of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Hazelhurst, near crossing of Georgia & Florida Ry., about 50 meters west of stock pens, on left side of tracks of Southern Ry. between transfer track of Southern and Georgia & Florida railroads and track of Cash Grocery Co., 6 meters north of post marking maintenance limit of Southern Ry., along transfer track; Prim. Trav. Sta. Hurst, marked by a triangulation station mark embedded in top of concrete block; azimuth to Hazel, 303° 44' 52.0"; back azimuth, 123° 44' 58.0". No elev.....	31 51 51.23	82 35 44.94	.....
Hazelhurst, crossing of Georgia and Florida Ry., southeast of.....	31 51 22.2	82 35 55.0	3,063
Second-class T road west at southeast corner of field.....	31 50 00.8	82 34 39.6	10,484
Opposite new schoolhouse.....	31 49 29.6	82 34 17.5	3,689
T road east at painted house.....	31 49 11.6	82 34 04.7	2,120
Straight road to southeast.....	31 48 09.7	82 33 56.4	6,300
Crossroads at Baptist Church.....	31 47 15.1	82 34 06.4	5,589
Calvary Baptist Church, 0.5 mile south of, on west side of county road, at second-class fork to west, 250 feet north of house; iron post stamped "Prim. Trav. Sta. No. 41, 1918 H".....	31 46 47.5	82 34 14.5	2,871
Large post at southwest corner of field.....	31 46 51.6	82 34 58.2	3,790
Road opposite house, north of road.....	31 47 12.7	82 35 35.4	3,857
Roads north, south, and west at northeast corner of field.....	31 47 33.1	82 35 42.7	2,156
Crossroads 150 feet south of school.....	31 47 32.3	82 35 59.6	1,470
Roads east, west, and north at southwest corner of field.....	31 47 36.6	82 36 32.8	2,898
Crossroads in woods.....	31 47 44.3	82 36 55.8	811
T road east at Mr. Hansen's house.....	31 47 55.7	82 37 15.1	3,583
T road west at J. Hansen's house.....	31 47 00.3	82 37 38.3	5,946
Elbow north and east at house.....	31 47 11.1	82 38 18.6	3,640
Crossroads, at southwest corner of field.....	31 47 36.8	82 38 29.4	2,755
Gateway, 300 feet south of house.....	31 48 02.2	82 38 45.4	2,921
Roper, road crossing.....	31 48 43.3	82 39 05.9	4,416
South end of lane, at house.....	31 49 10.5	82 40 18.1	6,849
Second-class road crossing county road, 800 feet north of painted house.....	31 49 32.2	82 40 21.5	2,215
Big corner post at northeast corner of field.....	31 49 33.5	82 40 23.5	212
Opposite house, brick chimney, on north side.....	31 49 33.1	82 41 32.7	5,975
Road opposite church gate, 30 feet southwest of burned snag.....	31 49 38.2	82 42 05.8	2,898
Fork of road to Burkett's Ferry and to Hazelhurst; iron post stamped "Prim. Trav. Sta. No. 42, 1918 H".....	31 49 37.8	82 43 21.9	6,572

## LUMBER CITY QUADRANGLE—Continued.

Along highways in south part of quadrangle. (By G. T. Hawkins in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Crossroads, county road.....	31 50 12.9	82 43 30.0	3,613
Road fork east, 300 feet southwest of house.....	31 50 51.2	82 43 55.8	4,468
Opposite milepost to ferry.....	31 51 30.5	82 43 20.7	4,509
Fork at northeast corner of field.....	31 51 35.8	82 43 25.9	700
Middle of bridge.....	31 53 39.5	82 44 31.3	.....
Milepost 4 (stone).....	31 54 05.3	82 43 54.8	4,085
Opposite gate to cemetery.....	31 54 28.0	82 42 17.4	8,701
T road northwest.....	31 54 36.3	82 42 03.4	1,478
Lumber City, on left side of tracks of Southern Ry., 3 meters north of River Street, 10 meters south of house track switch, 2.65 meters from left rail of track; Prim. Trav. Sta. Lumber, marked by triangulation station mark embedded in top of block of concrete (U. S. C. & G. S. b. m. Y 13); azimuth to Octa 334° 27' 39.5"; back azimuth 154° 28' 03.6".....	31 56 01.72	82 40 59.55	10,231

Magnetic declination for south part of quadrangle, 1° 30' E.

From south border of quadrangle northeast along Georgia and Florida Ry. to Hazelhurst. (By Oscar Jones in 1917.)

Brooker, at road crossing.....	31 45 01.1	82 41 03.3	.....
Road crossing.....	31 46 12.4	82 40 44.7	7,380
Do.....	31 46 49.7	82 40 41.6	3,777
Do.....	31 47 15.7	82 40 35.7	2,680
Do.....	31 47 56.8	82 39 53.1	5,552
Roper, road crossing (also on Hawkins's line).....	31 48 43.3	82 39 05.9	6,218
Road crossing.....	31 49 15.5	82 38 23.6	4,900
Do.....	31 49 37.8	82 37 49.5	3,720
Do.....	31 50 19.4	82 36 59.6	6,027
Do.....	31 50 41.0	82 36 31.4	3,280
Do.....	31 51 01.4	82 36 05.1	3,078
Do.....	31 51 22.0	82 35 55.1	2,268
Hazelhurst, U. S. C. & G. S. station Hurst (previously described).....	31 51 51.23	82 35 44.94	3,090

## MACCLENNY QUADRANGLE.

Along highways from Macclenny, Fla., to Stokesville, Ga. (By H. S. Senseney in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Bridge, north end of.....	30 22 22.7	82 04 24.5	.....
Road forks, blazed burnt stump west.....	30 22 40.9	82 04 17.1	1,953
Stokesville, 40 feet east of store on north side of road, 50 feet west of gate; iron post stamped "Prim. Trav. Sta. No. 5, S 1917".....	30 23 01.3	82 04 20.5	2,078

Along highways from Stokesville to St. George. (By H. S. Senseney in 1917.)

Road forks near house of Mr. Thomas, road north to St. George, road east to Bryceville.....	30 23 18.4	82 03 09.9	.....
Bridge, south end of.....	30 23 29.4	82 03 10.3	1,120
Signpost "4-9".....	30 23 38.7	82 03 10.6	936
Signpost "5-8".....	30 24 22.1	82 03 10.7	4,387
Bridge, center of.....	30 24 46.3	82 03 02.9	2,537
Signpost "6-7".....	30 25 13.9	82 03 06.4	2,805
Signpost "7-6".....	30 26 05.4	82 03 03.0	5,212
Crossroads.....	30 26 16.7	82 02 57.2	1,245
Bridge, south end of.....	30 26 44.2	82 02 46.1	2,944
Signpost "9-5".....	30 26 58.1	82 02 46.6	1,409
Signpost "10-4".....	30 27 47.9	82 02 39.0	5,078
Signpost "11-3".....	30 28 39.0	82 02 25.7	5,291
Signpost "12-2".....	30 29 31.6	82 02 21.6	5,330
T road east.....	30 29 53.2	82 02 16.2	2,225

## MACON QUADRANGLE.

South along highways and Central of Georgia Ry. near east border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road forks, 25 feet southwest of, 35 feet east of house; iron post stamped "Prim. Trav. Sta. No. 11, 1916".....	32 59 29.4	83 30 08.8	.....
Crossroads, center of.....	32 58 25.6	83 30 54.8	7,543
Central of Georgia Ry., center of road crossing on.....	32 57 48.3	83.31 15.4	4,159
Road crossing, Central of Georgia Ry.....	32 57 03.1	83 30 55.4	4,873
Do.....	32 56 12.7	83 30 28.9	5,572
Crossroad, center of, Milledgeville-Macon and Griswoldville-Gray roads.....	32 55 49.7	83 30 05.6	3,053
Road forks, center of, Macon-Gordon and Macon-Griswoldville roads.....	32 51 19.9	83 30 20.0	.....
Second-class road forks to south.....	32 51 02.7	83 31 06.3	4,318
Second-class road west, center of road forks.....	32 50 15.3	83 31 10.4	4,801
Road north to white house, center of forks at.....	32 49 30.1	83 31 39.0	5,175
Second-class road southwest, center of forks.....	32 48 50.1	83 31 06.9	4,884
Macon, Dublin & Savannah R. R., Jeffersonville and Macon highway crossing, about 0.5 mile west of Dry Branch.....	32 48 05.1	83 30 20.8	6,016
Road forks to west, center of.....	32 46 10.0	83 30 06.5	.....

Magnetic declination for east border of quadrangle, 1° 34' E.

Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Second-class road crossing.....	32 56 38.5	83 30 07.8	.....
Public-road crossing.....	32 56 13.0	83 30 29.5	3,170
Overhead bridge of Central of Georgia Ry. over Georgia R. R.....	32 55 52.1	83 30 47.0	2,560
Roberts station, highway crossing over railroad.....	32 54 55.2	83 31 35.5	7,110
Milepost 69.....	32 54 37.3	83 31 50.7	2,220
Second-class road crossing.....	32 54 03.3	83 32 19.4	4,220
Do.....	32 53 45.2	83 32 27.1	1,945
Public-road crossing.....	32 53 08.2	83 32 25.9	3,745
Do.....	32 52 29.2	83 32 24.5	3,950
Crossing of Central of Georgia Ry. overhead bridge.....	32 51 51.2	83 32 44.1	4,184
Milepost 73.....	32 51 28.6	83 33 05.2	2,910
Mogul station, public-road crossing.....	32 50 58.6	83 33 43.5	4,456
Lakeside Pleasure Resort, road crossing.....	32 50 39.0	83 34 32.7	4,644
Crossing of Macon and Camp Wheeler road under railway.....	32 50 48.3	83 34 44.6	1,384
Road crossing.....	32 50 53.7	83 35 18.0	2,905
Do.....	32 50 28.6	83 35 59.2	4,330
Do.....	32 50 23.5	83 36 43.3	3,800
Macon Terminal passenger station, 0.25 mile east of, on line of Central of Georgia Ry. (U. S. C. & G. S. b. m. O <sub>10</sub> ).....	32 50 11.7	83 37 11.3	2,670
Macon, Boundary street, crossing of Central of Georgia Ry. at junction.....	32 49 13.4	83 38 03.3	7,376
Macon Terminal Passenger Station, about 1.5 miles southwest of, 20 rails west of an overhead crossing of Central of Georgia Ry., about 200 meters east from point of tangency, west bound track, 2 rails west of Waterville road, on left side of Central of Georgia Ry. track, 7.510 meters from rail of westbound track; Prim. Trav. Sta. Renner, marked by a triangulation station mark embedded in a block of concrete (U. S. C. & G. S. b. m. V <sub>10</sub> ); azimuth to Southern, 291° 39' 04.2"; back azimuth, 111° 39' 13.4". Elevation 338.687 feet.....	32 48 15.9	83 38 10.7	5,844

## MELDRIM QUADRANGLE.

Northwest along Central of Georgia Ry. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	32 07 05.2	81 15 39.0	.....
Do.....	32 07 18.5	81 16 30.2	4,600
Center of track at switch stand.....	32 07 32.6	81 17 24.7	4,900
Bloomington station, road crossing.....	32 07 42.5	81 18 02.7	3,420
Center of trestle 13.9.....	32 08 04.5	81 19 35.5	8,279
Chatham-Effingham county line.....	32 08 09.1	81 19 58.0	1,990
Center of concrete culvert.....	32 08 15.1	81 20 29.3	2,759

## MELDRIM QUADRANGLE—Continued.

Northwest along Central of Georgia Ry. (By Oscar Jones in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road crossing.....	32 08 17.6	81 20 43.5	1,250
Center of concrete culvert.....	32 08 25.9	81 21 35.3	4,530
Center of trestle 165.....	32 08 30.9	81 22 10.6	3,080
Meldrim station, 150 feet east of, 20 feet south of Central of Georgia Ry. track; iron post stamped "Prim. Trav. Sta. No. 2, 1918 J".....	32 08 34.5	81 22 38.5	2,420
Center of brick culvert.....	32 08 51.0	81 23 08.2	3,049
Road crossing.....	32 09 07.5	81 23 18.6	1,890
Eden station, road crossing.....	32 10 20.2	81 23 22.7	7,360
Road at schoolhouse.....	32 10 55.4	81 23 23.4	3,550
Doswell road crossing.....	32 12 44.1	81 23 25.4	10,990
Road crossing.....	32 13 20.7	81 23 26.0	3,700
Do.....	32 14 29.8	81 23 27.2	6,980

## Northwest along Savannah &amp; Statesboro Ry.

Meldrim station, Prim. Trav. Sta. No. 2.....	32 08 34.5	81 22 38.5	.....
Road crossing.....	32 08 39.4	81 23 27.0	4,199
East end of trestle over Ogeechee River.....	32 08 39.9	81 24 05.5	3,308
West end of trestle over Ogeechee River.....	32 08 36.1	81 24 32.4	2,350
Cuyler station, center of Seaboard Air Line Ry., opposite sema- phore.....	32 08 29.7	81 25 14.1	3,638
Road crossing.....	32 09 15.6	81 25 21.0	4,682
Do.....	32 09 54.8	81 25 38.4	4,229
Do.....	32 10 09.0	81 25 48.1	1,660
Do.....	32 10 24.1	81 25 52.9	1,587
Do.....	32 10 54.3	81 26 01.3	3,130
Do.....	32 11 20.9	81 26 08.8	2,770
Blitchton, road crossing.....	32 11 50.0	81 26 17.0	3,020
Road crossing.....	32 12 23.5	81 26 28.3	3,480
Do.....	32 12 55.6	81 26 35.3	3,330
Do.....	32 13 15.8	81 26 41.1	2,100
Eldora, road crossing.....	32 13 49.6	81 26 50.4	3,510
Road crossing.....	32 14 35.4	81 27 12.1	4,992
Do.....	32 14 44.1	81 27 17.4	990

## East along highways near north border of quadrangle.

Road fork.....	32 13 00.2	81 29 25.5	.....
Road fork at Edward's store.....	32 12 57.1	81 29 04.1	1,880
Road fork, Savannah, Statesboro, and Eldora roads.....	32 12 45.4	81 28 25.1	3,554
Crossroads.....	32 13 00.0	81 27 46.4	3,637
Do.....	32 13 36.6	81 27 06.9	5,012

Magnetic declination for northwest part of quadrangle, 0.2° E.

## West along Seaboard Air Line Ry. (By Oscar Jones in 1917.)

West end of trestle over creek.....	32 08 07.5	81 26 00.6	.....
Arden, 500 feet west of, road crossing.....	32 07 47.1	81 27 10.4	6,347
Road crossing.....	32 07 39.6	81 27 45.7	3,120
Do.....	32 07 31.6	81 28 23.8	3,380
Ellabelle, 150 feet southeast of station; iron post stamped "Prim. Trav. Sta. No. 23, J 1918".....	32 07 23.0	81 29 09.4	4,010

## South along highways near west border of quadrangle.

Ellabelle, Prim. Trav. Sta. No. 23, J 1918 (previously described).....	32 07 23.0	81 29 09.4	.....
Crossroads.....	32 06 45.9	81 29 05.6	3,759
Road fork.....	32 05 52.0	81 28 59.4	5,470
Crossroads.....	32 05 18.6	81 28 55.5	3,380
Road fork, 150 feet south of culvert.....	32 03 51.6	81 29 40.5	9,608
Road fork.....	32 03 24.6	81 29 49.2	2,822

Magnetic declination for west border of quadrangle, 0.4° E.

## MERIWETHER QUADRANGLE.

Along railroad. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Public-road crossing, center of track..... Do.....	33 01 54.4 33 00 46.0	83 15 19.0 83 15 47.2	..... 7,315
Milledgeville, 400 feet south of 5-mile post from, near Mrs. Pierce's residence, 50 feet east of road crossing, on north edge of road; iron post stamped "Prim. Trav. Sta. No. 1, 1916".....	33 00 14.5	83 15 11.2	4,422

West along highways near south border of quadrangle.

Road crossing (previously described).....	33 00 46.04	83 15 47.21	.....
Road forks to south, center of road.....	33 01 00.6	83 16 44.3	.....
Road forks to north, center of.....	33 01 22.4	83 16 58.9	2,532
Road forks to south, center of.....	33 02 18.5	83 18 14.5	8,580
Farm road to north, center of forks.....	33 01 59.7	83 18 50.0	3,565
Road forks to northwest, center of.....	33 01 29.4	83 19 47.0	5,740
Road forks southeast, center of small triangle.....	33 00 45.5	83 20 36.2	6,096
Road forks to south, center of.....	33 00 11.8	83 21 51.8	7,290
Road forks to northeast, center of.....	33 00 20.2	83 25 49.0	.....
Commissioner Creek, center of railroad bridge over.....	33 00 07.9	83 26 36.7	4,247
Road forks at J. F. Gray's R. F. D. mail box, center of.....	33 00 06.8	83 27 39.3	5,328

Magnetic declination in south border of quadrangle, 1° 28' E.

Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Highway crossing over railroad.....	33 05 44.8	83 15 24.9	.....
State Farm station, road crossing.....	33 05 21.1	83 16 07.4	4,338
Creek crossing, small wood truss.....	33 04 55.5	83 17 09.6	5,886
Road crossing.....	33 04 31.6	83 18 18.9	6,373
Second-class road crossing.....	33 04 20.2	83 18 59.1	3,610
Creek crossing, trestle over.....	33 04 12.8	83 19 25.3	2,350
Public-road crossing under railway.....	33 03 46.1	83 20 26.5	5,868
Brown station, public-road crossing.....	33 02 50.5	83 21 27.8	7,667
Second-class road crossing.....	33 02 32.2	83 22 42.0	6,578
Public-road crossing.....	33 02 23.4	83 23 21.4	3,475
Highway crossing under railway.....	33 02 07.8	83 24 31.1	6,140
Haddocks station, 700 feet east of, 25 feet south of center of track, on bank, 2 feet north of fence corner at section house; iron post stamped "Prim. Trav. Sta. No. 162, 1918 Mac."; azimuth to right-hand edge of chimney on south end of house, about 1,000 feet distant, 225° 34' 22".....	33 01 52.8	83 25 36.3	5,749
Highway crossing under railway.....	33 01 29.3	83 26 24.8	4,772
Public-road crossing.....	33 00 43.3	83 26 32.3	4,689
Road crossing under south end of trestle.....	33 00 07.2	83 26 37.5	3,675

## MILLEDGEVILLE QUADRANGLE.

Along railroad. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milledgeville, southeast corner of iron picket fence at courthouse; iron post stamped "Prim. Trav. Sta. No. 19, 1916".....	33 04 50.8	83 13 44.2	.....
Milledgeville, cupola of county courthouse.....	33 04 51.6	83 13 45.4	131
Milledgeville station, 600 feet northwest of, at public-road crossing, center of track.....	33 04 44.8	83 14 11.3	2,315
Carling station, 300 feet south of, under highway bridge, center of track.....	33 03 19.7	83 14 17.8	8,622
Section house, at public-road crossing, center of track.....	33 02 32.9	83 14 31.1	4,863
Road forks at road west, center of.....	33 00 56.1	83 00 35.6	.....
Deepstep, 3 miles west of; Giles crossroads, 500 feet west of courthouse 99th district, at junction of Milledgeville-Sanders road and Indian trail road leading north to Devereux; iron post stamped "Prim. Trav. Sta. No. 21, 1906 Ga.".....	33 01 51.9	83 00 32.4	5,645

## MILLEDGEVILLE QUADRANGLE—Continued.

Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Third-class road crossing .....	33 14 42.4	83 02 27.2	.....
Second-class road crossing .....	33 13 42.5	83 03 08.9	7,013
Public-road crossing .....	33 13 22.4	83 03 49.1	3,970
Road crossing over railroad .....	33 13 20.2	83 04 23.9	2,970
Devereux station, road crossing at west end of .....	33 13 19.6	83 04 34.6	905
Highway crossing under railroad .....	33 13 22.8	83 05 08.9	2,937
Public-road crossing .....	33 13 14.6	83 05 25.7	1,647
Road crossing over railroad .....	33 12 33.9	83 06 15.8	5,919
Road crossing near switch stand at spur .....	33 12 05.1	83 06 38.6	3,499
Highway crossing under railroad .....	33 11 12.7	83 06 53.4	5,432
Carr's station, directly opposite office window, 120 feet north of road crossing, 15 feet east of center of track, near mail crane; iron post stamped "Prim. Trav. Sta. No. 161, 1918 Mac." .....	33 10 57.6	83 06 55.5	1,541
Highway crossing over railroad .....	33 10 27.9	83 07 17.2	3,517
Milepost 37 .....	33 10 15.0	83 07 48.7	2,975
Milepost 38 .....	33 09 42.1	83 08 34.6	5,123
Road crossing .....	33 09 08.1	83 09 34.7	6,161
Milepost 40 .....	33 08 55.2	83 10 17.3	3,851
Public-road crossing .....	33 08 31.8	83 10 47.8	3,503
Road crossing over railroad .....	33 07 42.7	83 11 24.0	5,838
Road crossing .....	33 07 32.3	83 11 38.6	1,622
Center pier of Georgia R. R. bridge over Oconee River .....	33 06 49.9	83 12 09.4	5,019
Private-road crossing .....	33 06 36.7	83 12 36.2	2,636
Milepost 44, U. S. G. S. aluminum B. M. on top .....	33 06 22.0	83 12 50.5	1,920
Road crossing .....	33 06 02.8	83 13 09.0	2,500
Do .....	33 05 45.9	83 13 25.3	2,200
Milledgeville station, 600 feet west of, at street crossing, center of main track .....	33 05 26.7	83 13 47.4	2,700
Public-road crossing .....	33 05 25.0	83 14 11.8	2,075

## MILLEN QUADRANGLE.

Along Savannah &amp; Atlanta Ry. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing at Bill Davis's flag stop .....	32 59 58.1	81 49 10.8	.....
Road crossing .....	32 59 42.5	81 48 31.3	3,721
Do .....	32 59 25.8	81 47 48.6	4,008
Do .....	32 59 14.9	81 47 21.0	2,562
Milepost 79, center of track, opposite .....	32 58 52.2	81 46 23.5	5,406
Sardis station, across track from, 20 feet northwest of line of rear end of freight house; iron post stamped "Prim. Trav. Sta. No. 106, 1918 Mac." .....	32 58 31.6	81 45 29.8	5,033
Road crossing .....	32 58 21.8	81 45 06.4	2,228

## Northeast along highway through center of quadrangle.

Center of bridge at creek crossing .....	32 56 34.6	81 47 10.7	5,500
Road fork .....	32 56 56.7	81 46 30.5	4,092
Do .....	32 57 39.8	81 46 00.1	5,055
Crossroads .....	32 57 46.5	81 45 44.4	1,510

## West along highway near south border of quadrangle.

Road fork .....	32 49 28.8	81 45 28.2	.....
Crossroads .....	32 49 29.1	81 46 17.7	4,220
Do .....	32 49 28.1	81 46 55.7	3,245
Edenfield bridge, center of .....	32 49 39.1	81 48 13.8	6,755
Center of bridge .....	32 49 36.3	81 49 19.6	5,620
Road fork .....	32 49 20.6	81 50 30.0	6,215
Millen, 5 miles east of, near milepost 5, 20 feet north of center of road; iron post stamped "Prim. Trav. Sta. No. 121, 1918 Mac."; azimuth to south edge of brick chimney in west end of house, 1,500 feet distant, 256° 54' 00" .....	32 49 05.0	81 51 33.4	5,638

## MILLEN QUADRANGLE—Continued.

## Along highway near east border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	32 48 32.0	81 45 08.9	
Road fork at end of lane.....	32 48 14.1	81 45 29.4	2,512
Center of bridge.....	32 47 53.9	81 45 24.4	2,081
Bay Branch Church, crossroads at.....	32 46 57.6	81 45 24.5	5,688

Magnetic declination for east border of quadrangle, 0° 20' E.

## Along highways near center of quadrangle.

Crossroad, 430 feet west of creek ford.....	32 49 04.1	81 52 25.6	
Road fork.....	32 48 34.8	81 53 35.1	6,635
Center of bridge.....	32 48 30.8	81 54 40.6	5,598
Road fork.....	32 48 32.0	81 55 18.0	3,200
Millen, junction of Masonic and Winthrop avenues.....	32 48 12.8	81 56 14.8	5,220

## Northeast along highway through center of quadrangle.

Center of road opposite signpost painted "Millen 1 mile".....	32 48 56.6	81 55 46.1	
Crossroads.....	32 49 29.9	81 55 10.1	4,556
Road fork.....	32 50 03.2	81 54 38.7	4,309
T road west.....	32 50 45.5	81 54 29.3	4,350
T road east.....	32 51 14.8	81 54 23.8	3,000
T road east near schoolhouse.....	32 52 05.0	81 54 00.6	5,457
T road west.....	32 52 46.4	81 53 27.5	5,048
Crossroads.....	32 53 21.6	81 53 00.3	4,258
Millen, 9 miles northeast of, road to Sardis, 70 feet south of crossroads, 8 feet south of small double oak tree; iron post stamped "Prim. Trav. Sta. No. 122, 1918 Mac."; azimuth to north edge of chimney on west end of house, about 1,000 feet distant; 289° 31' 45".....	32 54 27.3	81 51 18.7	10,913
Angle in road at top of hill.....	32 55 17.7	81 50 28.2	6,674
Crossroads, 850 feet south of church.....	32 55 34.1	81 50 02.1	2,783
Beaver Dam Creek, center of bridge over.....	32 56 12.4	81 48 54.6	6,938
Milepost 13, center of road opposite.....	32 56 32.8	81 48 15.2	3,943

## Along highways near east border of quadrangle.

Crossroads.....	32 48 32.0	81 45 08.9	6,371
Road fork at end of lane.....	32 48 14.1	81 45 29.4	2,512
Center of bridge.....	32 47 53.9	81 45 24.4	2,081
Bay Branch Church, crossroads at.....	32 47 53.9	81 45 24.4	2,081

Magnetic declination for east border of quadrangle, 0° 20' E.

Emalane, on west side of railroad and north edge of wagon road, 70 feet northwest of station, near telegraph pole; iron post stamped "Prim. Trav. Sta. No. 33, 1918 H," 570 feet northeast; azimuth, 214° 05' 00".....	32 45 34.1	81 59 49.9	
Milepost 41, railroad track opposite.....	32 46 22.6	81 59 00.0	6,497
Sawmill, road crossing at.....	32 46 44.9	81 58 28.2	3,531
Millen, road crossing 1.5 miles southwest of.....	32 47 16.0	81 57 43.9	4,910
Millen; iron post stamped "Prim Trav. Sta. No. 11, 1918 H".....	32 48 05.6	81 56 33.0	7,866

## Along highways near west border of quadrangle.

Perkins, 1 mile west of, crossroads.....	32 54 36.5	81 58 00.2	
Perkins, 2 miles west of, crossroads, 20 feet east of two mail boxes.....	32 54 38.5	81 59 26.0	7,380

## Along Central of Georgia Ry. near west border of quadrangle.

Road crossing, 1,750 feet north of milepost 92.....	32 59 42.6	81 58 17.3	
Milepost 91, railroad track opposite.....	32 58 33.6	81 58 02.9	7,070
Mummerslyn, road crossing at station.....	32 57 10.1	81 57 45.4	5,400
Milepost 88, road crossing 700 feet north of.....	32 56 06.3	81 57 32.1	6,550
Burke-Jenkins county line, crossing of.....	32 55 22.9	81 57 23.0	4,450
Perkins, road crossing at station.....	32 54 31.4	81 57 12.3	5,277



## MILLEN QUADRANGLE—Continued.

Along Central of Georgia Ry. near west border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect..
Milepost 82, railroad track opposite .....	32 48 13.8	81 59 47.6	.....
Milepost 81, road crossing 1,500 feet west of, gates north and south..	32 48 01.7	81 59 06.2	3,740
Road crossing, gates north and south .....	32 47 50.9	81 58 16.2	4,406
Millen, 390 feet west of station, 10 feet north of railroad; iron post stamped "Prim. Trav. Sta. No. 11, 1918 H"; 960 feet northwest to point on west rail, azimuth, 124°24'30"; 587 feet southwest to point on south rail, azimuth, 78°55'00" .....	32 48 05.6	81 56 33.0	8,937
Millen, road crossing 1 mile north of .....	32 48 39.7	81 56 44.1	3,743
Millen, road crossing 2 miles north of, 30 feet west to crossing sign ..	32 49 30.2	81 56 41.6	5,108
Road crossing, 60 feet northwest to crossing sign .....	32 50 25.7	81 56 38.8	5,608
Road crossing in front of large house .....	32 51 09.6	81 56 36.7	4,440
Milepost 48, road crossing 400 feet north of .....	32 51 44.8	81 56 37.6	3,560
Lawton, 140 feet south of station, on east side of railroad; iron post stamped "Prim. Trav. Sta. No. 12, 1918 H"; 2,100 feet north is point on east rail, azimuth, 169°37'00"; 802 feet south is point on west rail, azimuth, 350°55'15" .....	32 52 22.6	81 56 45.3	3,870
Milepost 47, railroad track opposite .....	32 53 24.2	81 56 58.3	6,320
Milepost 46, railroad track opposite .....	32 54 15.8	81 57 09.1	5,300
Perkins, road crossing at station .....	32 54 31.4	81 57 12.3	1,600

Along Central of Georgia Ry. from Millen southeast.

Millen, 1 mile southeast of, road crossing .....	32 47 55.9	81 55 27.5	.....
Milepost 77, 1,500 feet southeast of, road crossing, 20 feet east to crossing sign .....	32 47 23.5	81 54 46.6	4,787
Milepost 76, 300 feet southeast of, road crossing .....	32 46 47.9	81 54 22.6	4,141
Paramore Hill, road crossing at station .....	32 45 27.8	81 53 24.7	9,486

## MONIAC QUADRANGLE.

Along highway near St. George. (By H. S. Senseney in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect..
Signpost "1-13" .....	30 30 21.8	82 02 09.2	.....
Crossroads .....	30 30 29.7	82 02 07.3	815
St. George, railroad crossing at depot .....	30 31 15.4	82 02 15.2	4,568

East along Georgia Southern &amp; Florida Ry. from St. Marys River near Barter, Fla., to St. Marys River near St. George, Ga.

State line post (Florida-Georgia), center of bridge opposite .....	30 30 54.2	82 13 46.1	.....
Moniac, road crossing east of station .....	30 31 02.0	82 13 27.8	1,784
Road crossing at gates .....	30 31 16.4	82 12 30.6	5,214
Do .....	30 31 18.3	82 11 37.8	4,620
Milepost "35-227" .....	30 31 22.1	82 09 50.2	9,415
Road crossing at gates and platform .....	30 31 18.1	82 09 07.8	3,732
Milepost "33-229", 15 feet south of; iron post stamped "Prim. Trav. Sta. No. 10, 8 1917" .....	30 31 00.6	82 07 54.3	6,668
Milepost "32-230" .....	30 30 58.3	82 06 54.0	5,278
Milepost "31-231" .....	30 30 55.9	82 05 53.6	5,290
Milepost "30-232" .....	30 31 00.6	82 04 53.5	5,275
Milepost "29-233" .....	30 31 06.2	82 03 53.5	5,280
Road crossing .....	30 31 10.6	82 03 05.9	4,185
St. George, railroad crossing at depot .....	30 31 15.4	82 02 15.2	4,458
Road crossing .....	30 31 16.1	82 01 40.4	3,050
St. Marys River, west end of railroad bridge over .....	30 31 16.7	82 01 00.2	3,515

## MONIAC QUADRANGLE—Continued.

From north border of quadrangle south along highways to St. George. (By H. S. Senseney in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 8.....	30 44 16.3	82 04 18.1	.....
Two bridges, south end of larger one.....	30 43 22.2	82 04 13.8	5,487
Crossroads, house west.....	30 43 08.9	82 04 09.0	1,402
Milepost 11.....	30 41 39.0	82 03 50.2	9,234
Road forks, blazed pine tree to west.....	30 41 10.8	82 03 39.2	3,005
Toledo, 1.8 miles north of, 30 feet west by 12 feet north of crossroads; iron post stamped "Prim. Trav. Sta. No. 16, S 1917".....	30 39 40.9	82 03 22.4	9,192
Toledo, in front of store, center of road.....	30 38 09.2	82 03 08.9	9,346
Road east to house, mail box west.....	30 37 06.5	82 02 57.5	6,411
Crossroads, mail box southeast.....	30 36 05.6	82 02 47.9	6,209
Boone Church, 1,435 feet south of, north end of bridge.....	30 34 36.2	82 03 11.3	9,255
Road forks.....	30 33 56.8	82 03 04.8	4,022
T road east.....	30 33 11.8	82 02 42.2	4,950
St. George, north end of Main Street, where power line turns east; crossroads.....	30 31 35.8	82 02 18.1	9,927
St. George, (tie point) railroad crossing at station.....	30 31 15.35	82 02 15.2	2,082

Magnetic declination for east center of quadrangle, 1.6° E.

Along highways near north border of quadrangle (part of single spur line; positions unreliable). (By E. L. McNair in 1917.)

Tramroad crossing, traveled road.....	30 44 37.7	82 07 32.5	.....
Camp Cornelia, 144 feet S. 29° W. from nearest corner of G. S. Roddenberry's house, 110 feet north of old canal, on embankment of canal in open ground; iron post stamped "Prim. Trav. Sta. No. 52, 1917 Mac.".....	30 44 19.1	82 07 42.2	2,060
Tangent intersection of two long straight stretches of canal, point is on bank, 25 feet south of center of canal, marked by tall pine stake, 10 feet south is a blazed pine tree 6 inches in diameter, with copper nail and washer and marked with red lead.....	30 44 05.5	82 09 24.7	9,045
Old sunken barge, top of.....	30 44 13.7	82 10 12.9	4,290
Canal forks, center of canal.....	30 44 13.96	82 10 16.4	306
Tripod in water, near junction of canals on center line of canal east and west.....	30 44 12.6	82 11 00.0	3,804
Canal junction, 75 feet northwest of, 40 feet north of canal, in root of pine tree blazed and marked "U. S."; copper nail and washer.....	30 44 49.4	82 11 18.2	4,046
Canal, south bank of, pine tree blazed on two sides and marked with red "U. S." in root; copper nail.....	30 44 59.8	82 12 16.6	5,202

Magnetic declination near north border of quadrangle, 1.2° E.

## NAHUNTA QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost "Savannah 90", center of track opposite.....	31 08 28.4	81 59 55.5	2,870
Hickox station, opposite south end of, 32 feet west of center of track, in line with telegraph poles, on bank; iron post stamped "Prim. Trav. Sta. No. 7, 1917 Mac."; azimuth to switchstand, about 1,500 feet south of post, 9° 46' 30".....	31 09 04.4	81 59 48.0	3,699
Road crossing, east rail at.....	31 09 39.2	81 59 40.0	3,579
Milepost "Savannah 88", east rail opposite.....	31 10 11.1	81 59 33.0	3,285
Milepost "Savannah 87", track opposite.....	31 11 02.5	81 59 21.8	5,280
Road crossing, center of track at.....	31 11 45.3	81 59 12.5	4,400
Nahunta, intersection of Atlantic Coast Line's tracks.....	31 12 13.9	81 59 06.3	2,934
Nahunta, about 785 feet north of railroad crossing, 43 feet west of center of main track of Atlantic Coast Line R. R.; just north of tool house; iron post stamped "Prim. Trav. Sta. No. 8, 1917 Mac."; azimuth to semaphore stand, about 1,440 feet north, 192° 00'.....	31 12 21.6	81 59 05.1	788
Road crossing, center of track at.....	31 13 05.7	81 58 55.0	4,544
Do.....	31 13 51.2	81 58 45.0	4,675
Do.....	31 14 40.1	81 58 34.4	5,020

Magnetic declination for line, 0° 57' E.

## NAHUNTA QUADRANGLE—Continued.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 8, 1917 (previously described).....	31 12 21.61	81 59 05.10	.....
Road crossing.....	31 12 13.1	81 59 11.8	1,039

Along Atlantic Coast Line R. R. in north part of quadrangle. (By Oscar Jones in 1917.)

Road crossing.....	31 14 30.2	81 45 29.0	.....
Do.....	31 14 10.1	81 46 16.2	4,579
Do.....	31 13 54.8	81 46 56.7	3,837
Waynesville, 100 feet north of station, road crossing.....	31 13 50.9	81 47 22.9	2,310
Road crossing.....	31 13 43.8	81 48 10.9	4,230
Center of trestle.....	31 13 35.0	81 49 45.4	8,260
Atkinson road crossing.....	31 13 25.5	81 50 50.8	5,760
Road crossing.....	31 13 20.7	81 51 24.2	2,940
Satilla River, east abutment of trestle over.....	31 13 17.3	81 51 47.3	2,030
Satilla River, west abutment of trestle over.....	31 13 13.8	81 52 11.4	2,130
East abutment of trestle.....	31 13 08.6	81 52 47.1	3,140
West abutment of trestle.....	31 13 06.9	81 52 59.4	1,080
Road crossing.....	31 13 02.5	81 53 29.4	2,650
Lulaton, 200 feet south of road crossing.....	31 12 56.0	81 54 14.6	3,980
Center of small trestle.....	31 12 45.8	81 55 24.4	6,140
Road crossing.....	31 12 38.3	81 56 15.8	4,530
Do.....	31 12 29.8	81 57 14.3	5,160
Do.....	31 12 19.9	81 58 22.0	5,960
Do.....	31 12 15.4	81 58 53.1	2,740
Nahunta Y of Atlantic Coast Line R. R.....	31 12 13.5	81 59 06.3	1,166
Prim. Trav. Sta. No. 8, 1917, Mac. (previously described).....	31 12 21.6	81 59 05.1	826

## NAYLOR QUADRANGLE.

Along Atlantic Coast Line R. R. southwest across center of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	30 56 10.4	83 00 21.0	.....
Public-road crossing, 725 feet northeast of milepost 140.....	30 55 59.4	83 00 49.2	2,690
Road crossing, 1,050 feet northeast of milepost 141.....	30 55 39.3	83 01 41.1	4,960
Alapaha River, center of, on Clinch-Lowndes county line.....	30 55 26.9	83 02 13.1	3,050
Public-road crossing.....	30 54 57.8	83 03 27.9	7,145
Naylor, 350 feet east of station, 70 feet southeast of center of main track, 2 feet from corner of Baptist Church; iron post stamped "Prim. Trav. Sta. No. 44, Mac. 1917"; azimuth of long tangent 65° 43'.....	30 54 28.2	83 04 42.2	7,134
Road crossing.....	30 54 22.7	83 04 58.4	1,518
Do.....	30 53 55.0	83 06 09.7	6,810
Road crossing, 1,450 feet northeast of milepost 147.....	30 53 32.0	83 07 08.8	5,650
Road crossing.....	30 53 16.9	83 07 47.6	3,710
Road crossing, 1,670 feet northeast of milepost 149.....	30 52 49.9	83 08 57.1	6,640
Bandy siding, east end of, at switch stand.....	30 52 30.7	83 09 46.5	4,730
Bandy siding, west end of, at switch stand.....	30 52 19.6	83 10 15.0	2,720
Road crossing, 150 feet east of switch stand, spur to sawmill.....	30 51 58.9	83 11 08.1	5,080
Road crossing, 1,350 feet southwest of milepost 152.....	30 51 33.1	83 12 14.4	6,340
Road crossing.....	30 51 28.6	83 12 26.0	1,110
Private-road crossing.....	30 51 09.6	83 13 14.8	4,665
Do.....	30 50 51.1	83 14 02.0	4,515
Road crossing.....	30 50 28.3	83 14 57.9	5,345

## OAK PARK QUADRANGLE.

(By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Dewberry station, 675 feet north of road crossing, on Wadley Southern Ry.....	32 29 43.5	82 15 03.7	.....

## OAK PARK QUADRANGLE—Continued.

Southeast along Georgia &amp; Florida Ry.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Public-road crossing.....	32 29 49.6	82 19 59.7	-----
Wesley, crossing of Georgia & Florida and Central of Georgia railroads.....	32 29 01.0	82 19 45.1	4,934
Wesley, 2,800 feet east of railroad crossing, on line of tangent, U.S.C. & G. S. triangulation station Archer.....	32 28 51.67	82 19 23.10	2,800

## OFFERMAN QUADRANGLE.

Along Atlantic Coast Line R. R. from Screven to Offerman. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Screven, road crossing.....	31 29 08.2	82 00 59.9	-----
Stone bridge, center of.....	31 28 24.3	82 01 49.1	6,150
Road crossing.....	31 27 42.0	82 02 35.7	5,820
Overhead road crossing.....	31 27 12.6	82 03 09.5	4,220
Satilla River, south end of trestle over.....	31 27 02.4	82 03 21.0	1,430
Road crossing.....	31 26 28.8	82 04 01.5	4,886
Center of trestle.....	31 25 53.0	82 04 46.6	5,330
Road crossing.....	31 25 12.4	82 05 37.7	6,030
Offerman, crossing of Atlantic Coast Line and Atlanta, Birmingham & Atlantic railroads.....	31 24 25.6	82 06 37.2	6,993

From Offerman southeast along Atlanta, Birmingham &amp; Atlantic R. R.

Signpost painted "Station 1 mile," center of track opposite.....	31 23 50.6	82 05 51.6	5,304
Center of trestle.....	31 23 39.9	82 05 37.6	1,630
Do.....	31 23 15.6	82 05 05.8	3,690
Do.....	31 23 09.8	82 04 46.4	2,250
West abutment of trestle.....	31 21 53.6	82 03 18.5	10,210
Road crossing.....	31 21 40.9	82 03 01.9	1,930
Zirkle road crossing.....	31 21 22.5	82 02 37.8	2,800
Satilla River, west abutment of trestle over.....	31 21 07.1	82 02 10.7	2,820
Old sawmill, road crossing at.....	31 20 54.6	82 01 04.2	5,910

Southwest along Atlantic Coast Line and Atlanta, Birmingham &amp; Atlantic railroads. (By Oscar Jones in 1917.)

Offerman, railroad crossing.....	31 24 25.6	82 06 37.2	-----
Road crossing.....	31 23 57.6	82 07 11.9	4,127
Patterson, road crossing.....	31 23 07.3	82 08 15.1	7,470
Road crossing.....	31 22 41.6	82 08 47.6	3,830
Do.....	31 21 36.5	82 10 09.4	9,670
Do.....	31 21 22.4	82 10 27.2	2,100
Do.....	31 21 03.8	82 10 50.5	2,760
Road crossing 500 feet north of Owens.....	31 20 36.1	82 11 25.3	4,110
Road crossing.....	31 19 25.7	82 12 53.7	10,460
Satilla River, south end of trestle over.....	31 18 52.1	82 13 35.9	4,990
Blackshears, road crossing at.....	31 18 13.7	82 14 24.2	5,710
Road crossing.....	31 17 55.7	82 14 46.8	2,670

Northwest along Atlanta, Birmingham &amp; Atlantic R. R.

Station 300=0.....	31 24 25.6	82 06 37.2	-----
Road crossing.....	31 24 41.7	82 07 01.5	2,664
Do.....	31 25 06.4	82 08 04.7	6,018
Do.....	31 25 24.2	82 08 52.1	4,480
Do.....	31 25 30.5	82 09 16.1	2,178
Do.....	31 26 04.8	82 10 27.7	7,109
Do.....	31 26 36.2	82 11 35.6	6,677
Bristol, road crossing at.....	31 26 56.7	82 12 47.9	6,596
West end of trestle.....	31 27 20.6	82 13 33.1	4,602
Road crossing.....	31 27 31.2	82 13 59.5	2,527

**OMECRON QUADRANGLE.**

Along highways near north border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
Calvary Church, 150 feet north of, on Irwinton-Dublin road, 20 feet west to oak tree, 30 feet southeast to mail box, second-class crossroad.....	° ' "	° ' "	<i>Feet.</i>
Calvary Church, about 0.7 mile southeast of, 72 feet northeast to double chinaberry tree, 20 feet southeast to mail box, T-road northeast.....	32 44 26.9	83 09 16.7	.....
Calvary Church, about 1 mile east of, at second-class road fork northwest, center of triangle.....	32 43 57.5	83 08 51.0	3,699
Outlaw Bridge, center of Big Sandy Creek at.....	32 44 35.4	83 08 12.5	5,042
	32 44 47.6	83 07 22.2	4,471

**OSSABAW ISLAND QUADRANGLE.**

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
Burroughs station, near, intersection of Atlantic Coast Line and Seaboard Air Line railroads.....	° ' "	° ' "	<i>Feet.</i>
Burroughs station, 540 feet northeast of, road crossing, 60 feet northwest of center of main track, 12 feet from fence line near section houses; iron post stamped "Prim. Trav. Sta. No. 19, 1917 Mac.".....	31 58 27.3	81 14 50.0	.....
Burroughs station, switch stand at north end of siding.....	31 58 34.3	81 14 47.2	1,232
Road crossing.....	31 58 48.4	81 14 19.2	2,803
	31 59 14.4	81 13 30.0	4,985

Magnetic declination for quadrangle, 0° 50' E.

**PEEPLS QUADRANGLE.**

North along highways near west border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
Brier Creek, center of bridge over.....	° ' "	° ' "	<i>Feet.</i>
Road fork.....	32 48 35.6	81 29 04.4	.....
Crossroads.....	32 49 28.0	81 29 19.1	5,450
Road fork.....	32 50 34.3	81 29 24.8	6,716
	32 51 04.9	81 29 40.6	3,287

Along highways near south border of quadrangle.

Road fork.....	32 46 43.2	81 29 22.5	.....
Do.....	32 46 29.6	81 29 02.3	2,203
Center of road opposite gateway.....	32 46 26.6	81 28 36.8	2,196
Oak tree 10 inches in diameter standing about 5 feet north of road, tree blazed and marked "U. S."; nail in root.....	32 46 36.8	81 27 26.5	6,093
Pine tree on north side of road, in blaze on south side 5 feet above ground; nail.....	32 46 46.5	81 26 14.0	6,266
Brier Creek landing, opposite mouth of Brier Creek, 150 feet back from river bank, 520 feet N. 32° W. from dwelling house; U. S. Engineers b. m. post.....	32 46 56.7	81 25 54.7	1,947

Magnetic declination for east border of quadrangle, 0° 10' E.

121166°—23—Bull. 709—9

## PEMBROKE QUADRANGLE.

Along highways near south border of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
T road east.....	32 00 00.0	81 40 35.4	.....
Willie, 110 feet southeast of railroad station, 70 feet west of store and post office, 15 feet west of road to Hinesville; iron post stamped "Prim. Trav. Sta. No. 30, 1917 Mac."; azimuth to west edge of chimney on west end of house of Saxton Duke, 400 feet distant across railroad track, 169° 50'.....	32 00 41.6	81 40 16.4	4,500
Second-class road crossing.....	32 00 56.3	81 39 31.2	4,173
Railroad crossing.....	32 01 12.5	81 38 08.7	7,290
T road southwest.....	32 00 56.8	81 37 54.0	2,027
Farm crossroad.....	32 00 26.1	81 37 22.6	4,116
Road forks, straight road southwest.....	32 00 02.0	81 36 57.5	3,256

Magnetic declination for south border of quadrangle, 0° 30' E.

East along highways near north border of quadrangle. (By Oscar Jones in 1918.)

Center of Luke Swamp Branch.....	32 14 58.4	81 40 12.1	.....
Road fork.....	32 14 44.7	81 39 29.2	3,935
Crossroads.....	32 14 31.4	81 39 08.3	2,241
Center of road, opposite well on north side.....	32 14 08.4	81 38 12.4	5,339
Birds Bridge, 2 miles south of, over Black Creek, northeast corner of Y roads; iron post stamped "Prim. Trav. Sta. No. 17, 1918 J".....	32 14 04.6	81 37 31.5	3,525
Road fork.....	32 14 06.3	81 36 56.7	2,999
Do.....	32 14 59.9	81 34 57.8	10,226
Center of bridge.....	32 13 54.1	81 34 11.7	4,003
Road fork.....	32 13 55.8	81 34 02.3	825
Do.....	32 13 55.6	81 33 35.4	2,484
Crossroads.....	32 13 47.8	81 32 58.6	3,083
Road fork, east of three mail boxes.....	32 13 10.9	81 31 49.8	6,990
Burned bridge over Black Creek, west end of.....	32 13 11.9	81 31 23.7	2,245
Road fork of Savannah-Dublin and Savannah-Statesboro roads; iron post stamped "Prim. Trav. Sta. No. 18 J".....	32 13 10.0	81 30 17.3	5,707

Magnetic declination for north border of quadrangle, 0.4° E.

Southeast along highways near west border of quadrangle. (By Oscar Jones in 1918.)

Groveland, 300 feet east of depot; iron post stamped "Prim. Trav. Sta. No. 24 J, 1918".....	32 08 37.6	81 44 45.8	.....
Road fork.....	32 08 01.5	81 44 49.1	3,653
Do.....	32 07 13.7	81 44 32.4	5,038
Do.....	32 06 37.1	81 43 56.3	4,827
Do.....	32 06 21.7	81 43 52.6	1,581
North end of Moody's bridge over Canooche River.....	32 05 57.2	81 43 44.5	2,570
Center of small bridge.....	32 05 24.4	81 44 10.1	3,975
Road fork, Sunbury road.....	32 05 02.2	81 44 19.3	2,372
Center of road, on Eram-Liberty county line, at church and school.....	32 04 41.8	81 43 50.0	3,260
Road fork.....	32 04 27.1	81 43 28.0	2,410
Do.....	32 03 52.7	81 42 56.1	4,431
Center of bridge.....	32 03 17.2	81 42 21.8	4,648
Crossroads.....	32 02 53.4	81 42 12.6	2,523
Crossroads, Groveland-Willie and Ludowici-Warnell roads at bridge.....	32 01 37.5	81 41 24.0	8,738
Road fork.....	32 01 22.5	81 41 00.8	2,508
Willie, "Prim. Trav. Sta. No. 30, Mac. 1917" (previously located).....	32 00 41.6	81 40 16.4	5,629

Northwest along Seaboard Air Line Ry. through center of quadrangle.

Road crossing.....	32 07 31.4	81 30 11.9	.....
Do.....	32 07 38.4	81 31 06.6	4,760
Lanier, east of track, opposite semaphore.....	32 07 46.6	81 32 13.0	5,770
Road crossing.....	32 07 48.3	81 32 38.2	2,170
Do.....	32 07 55.2	81 34 15.4	8,380
Center of trestle.....	32 07 58.9	81 35 07.9	4,530
Road crossing at sawmill.....	32 08 00.7	81 35 33.6	2,220
Center of trestle.....	32 08 03.8	81 36 16.7	3,720
Do.....	32 08 06.2	81 36 52.2	3,060

## PEMBROKE QUADRANGLE—Continued.

Northwest along Seaboard Air Line Ry. through center of quadrangle—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Pembroke, center of track, opposite semaphore .....	32 08 08.4	81 37 23.4	2,690
Road crossing .....	32 08 14.1	81 38 45.2	7,050
Do .....	32 08 15.8	81 39 08.9	2,050
Do .....	32 08 17.5	81 39 34.0	2,160
Do .....	32 08 20.0	81 40 09.5	3,060
Reka, road crossing .....	32 08 22.3	81 40 44.1	2,980
Road crossing .....	32 08 24.3	81 41 13.2	2,510
Do .....	32 08 28.4	81 42 11.3	5,010
Road crossing at sawmill .....	32 08 29.8	81 42 32.2	1,800
Road crossing .....	32 08 32.3	81 43 07.6	3,060
Do .....	32 08 35.0	81 43 48.0	3,480
Groveland, 300 feet east of depot; iron post stamped "Prim. Trav. Sta. No. 24, J 1918" .....	32 08 37.6	81 44 45.8	4,975

Magnetic declination along west edge of quadrangle, 0.7° E.

South along highways near east border of quadrangle. (By Oscar Jones in 1918.)

	Latitude.	Longitude.	Distance between stations.
Road fork .....	32 02 46.7	81 30 12.0	.....
Northwest corner of crossroads, Pembroke-Clyde and Ellabelle-Butler Bridge roads; iron post stamped "Prim. Trav. Sta. No. 31, J 1918" .....	32 02 11.2	81 30 25.9	3,784
Road fork, opposite yard gate of house on south side of road .....	32 01 32.3	81 30 30.4	3,044
Road fork at house .....	32 00 59.3	81 31 07.9	4,637
Road fork at church .....	32 00 38.9	81 31 18.3	2,250
Road fork .....	32 00 20.1	81 31 31.9	2,230
East end of bridge .....	32 00 13.9	81 32 09.2	3,270
Road fork .....	32 00 11.7	81 33 05.0	4,824
Do .....	32 00 01.1	81 33 34.1	2,729
Crossroads .....	32 00 07.3	81 34 24.1	4,356
Road fork .....	32 00 00.9	81 35 00.5	3,204

Magnetic declination near east border of quadrangle, 0.3° E.

West along highways near south border of quadrangle. (By Oscar Jones in 1918.)

	Latitude.	Longitude.	Distance between stations.
Crossroads at bridge .....	32 01 37.5	81 41 24.0	.....
Road fork .....	32 01 32.5	81 42 00.0	3,140
Crossroads .....	32 01 39.0	81 42 54.5	4,740
Do .....	32 00 50.5	81 43 40.7	6,315
Do .....	32 00 22.2	81 43 44.5	2,879
Center of most easterly of three bridges .....	32 00 29.9	81 44 14.0	2,651
Center of bridge .....	32 00 46.7	81 44 35.3	2,504

## PERRYS MILLS QUADRANGLE.

West along highways near south border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork northeast at branch .....	31 46 46.1	82 15 29.2	.....
Baxley, 5 miles east of, on north side of county road at forks to northeast, 15 feet north of east and west road, 15 feet west of north and south road; iron post not stamped, Prim. Trav. Sta. No. 39, 1918 H. ....	31 46 25.8	82 16 22.3	5,020
Road fork .....	31 46 55.1	82 17 56.4	8,651
Stafford's Ferry road fork .....	31 47 10.2	82 18 34.7	3,637
Tillman, ferry road fork .....	31 47 19.1	82 19 55.4	7,020
T road north .....	31 47 15.2	82 20 11.2	1,420
Baxley, 20 feet west of station, north rail of main line of Southern Ry. ....	31 46 35.3	82 20 55.2	5,543
Baxley, about 0.5 mile south of, on right side of tracks of Southern Ry., 39 meters south of south switch signal of siding at Baxley, 6.245 meters from right rail; Prim. Trav. Sta. Baxley, marked by a triangulation station mark embedded in a block of concrete (U. S. C. & G. S. b. m. W <sub>12</sub> ). Elevation 201.994 feet. ....	31 46 27.21	82 20 31.53	2,204

## PERRYS MILLS QUADRANGLE—Continued.

Northwest along highways from Baxley, then east along north border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Baxley, triangulation station of the U. S. C. & G. S. (previously described).....	31 46 27.21	82 20 31.53	.....
Road fork.....	31 47 23.4	82 21 06.7	6,437
T road west at corner of field, 300 feet east of box house.....	31 48 06.8	82 21 34.7	5,001
T road, 200 feet southwest of painted house.....	31 48 31.3	82 21 44.6	2,622
Roads fork west at southeast corner of field.....	31 49 41.2	82 22 44.5	8,758
Middle of bridge.....	31 50 09.2	82 23 03.0	3,234
Opposite house on east side of road, three mail boxes on west side.....	31 50 52.9	82 24 01.9	6,735
Second-class crossroads.....	31 51 30.3	82 24 34.3	4,697
Crossroads, 30 feet northeast of mail box.....	31 52 04.5	82 24 38.4	3,476
Crossroads, 30 feet northwest of two mail boxes.....	31 52 29.6	82 24 49.0	2,700
Road fork, 400 feet north of white house.....	31 53 46.6	82 24 57.2	7,809
Crossroads at southeast corner of field.....	31 54 29.5	82 25 30.5	5,197
Road forks.....	31 54 55.8	82 25 53.4	3,306
Road forks at sign painted "Baxley 13 miles".....	31 55 49.1	82 26 14.6	5,687
Road forks, 20 feet west of Goodrich tire sign.....	31 56 16.3	82 26 38.2	3,422
North end of bridge.....	31 57 06.8	82 26 46.4	5,152
Mann's ferry, 0.75 mile southeast of, at forks of road, 20 feet south-east to Goodrich sign; iron post stamped "Prim. Trav. Sta. No. 44, 1918 H".....	31 57 22.4	82 27 19.4	3,245
Mann's ferry, north landing.....	31 57 58.7	82 27 42.6	4,175
T road south at house, 30 feet northwest of ferry sign.....	31 59 04.0	82 27 56.5	6,702
Road fork northeast.....	31 59 04.6	82 27 38.1	1,589
Crossroad at house.....	31 59 01.5	82 27 00.8	3,231
Road forks, 100 feet northeast of gin.....	31 59 13.4	82 25 40.5	7,033
Road forks, 400 feet northeast of gin.....	31 59 12.8	82 25 35.4	459
Hub, 8 feet south and 66 feet east of gate to old house, 60 feet north-east of big corner post.....	31 58 47.1	82 24 47.0	4,906
West end of bridge.....	31 58 31.4	82 24 14.9	3,192
T road north, 100 feet northeast of house.....	31 58 40.3	82 23 12.7	5,451
Forks of river road and new road.....	31 58 38.3	82 22 45.4	2,340
Road fork.....	31 58 31.2	82 22 21.8	2,160
R. E. S. Mann's store, 40 feet west of, 3 feet north of plank fence on south side of road; iron post stamped "Prim. Trav. Sta. No. 45, 1918 H".....	31 58 19.0	82 21 49.8	3,017
T road north to Vidalia.....	31 58 10.5	82 21 23.3	2,443
T road north at old store.....	31 58 16.7	82 20 33.5	4,341
West end of long wooden bridge.....	31 58 17.9	82 19 24.0	5,987
Second-class road north and second-class road through gate to south.....	31 58 23.7	82 18 00.2	7,251
Middle of bridge.....	31 58 21.3	82 17 40.1	1,750
Junction of River road and Savannah road.....	31 58 33.1	82 17 17.1	2,313
Crossroads, church 150 feet southeast.....	31 58 53.6	82 16 40.0	3,800
Opposite old store.....	31 59 18.9	82 16 13.9	3,413
Second-class road south at branch.....	31 59 31.2	82 15 19.2	1,775
Crossroads, two mail boxes in northwest corner.....	31 59 37.1	82 15 40.3	1,750

## Northeast along highways.

Tillman Ferry, road fork.....	31 47 19.1	82 19 55.4	.....
Road fork north.....	31 47 49.2	82 19 31.2	3,684
Crossroads at house.....	31 48 13.3	82 18 58.1	3,756
Middle of bridge.....	31 48 51.5	82 18 20.4	5,038
Road fork east at corner of fence.....	31 49 20.1	82 17 58.9	3,438
Second-class road crossing, two mail boxes.....	31 49 39.6	82 17 41.7	2,470
Road west at south end of long bridge.....	31 50 07.0	82 17 33.2	2,858
Second-class road crossing.....	31 50 26.2	82 17 17.0	2,390
Second-class road northwest and east.....	31 50 59.4	82 16 43.2	4,445
Road northwest at north end of bridge.....	31 51 19.4	82 16 03.5	3,971
Elliott postoffice, entrance to.....	31 51 44.1	82 15 45.0	2,966
Road fork to east.....	31 51 51.1	82 15 05.7	3,468

Magnetic declination near south border of quadrangle, 1° 22' E.; near north border of quadrangle, 1° 17' E.; in northeast part of quadrangle, 1° 04' E.



## REGISTER QUADRANGLE.

South along railroads and highways near east border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Statesboro, Prim. Trav. Sta. No. 13 (previously located).....	32 26 39.7	81 46 54.8	-----
Crossing of Central of Georgia and Midland railroads, 50 feet north-east of road crossing.....	32 26 20.6	81 47 04.4	2,108
Road fork.....	32 25 41.7	81 46 47.2	4,198
Road fork at State Agricultural School.....	32 25 32.5	81 46 50.9	984
Road fork.....	32 25 14.1	81 46 33.9	2,366
Crossroads at three mail boxes.....	32 24 24.2	81 46 09.1	5,468
Center of bridge.....	32 24 06.8	81 45 59.4	2,029
Crossroads near church.....	32 23 43.3	81 45 33.8	3,116
Road fork.....	32 22 58.2	81 45 35.6	4,557
Do.....	32 22 22.2	81 45 40.1	3,658
Do.....	32 21 43.7	81 46 05.8	4,478
Crossing of old railroad grade.....	32 20 54.9	81 46 17.1	5,030
Road fork.....	32 20 42.8	81 46 17.5	1,220
Do.....	32 20 22.8	81 46 25.6	2,139
Crossroads.....	32 19 22.1	81 46 34.1	6,183
Do.....	32 18 38.2	81 46 34.4	4,438
Do.....	32 18 08.3	81 46 24.1	3,146
Do.....	32 17 50.1	81 46 20.0	1,870
Crossroads, 150 feet southwest of M. L. Smith's residence; iron post stamped "Prim. Trav. Sta. No. 16, 1918 J"; azimuth to smoke stack on gin, 207° 15' 15".....	32 17 08.1	81 46 44.0	4,724
Center of bridge.....	32 16 55.4	81 46 09.9	3,198
Crossroads.....	32 16 54.7	81 46 00.0	855
Do.....	32 16 58.7	81 45 28.8	2,708

## Northwest along Savannah &amp; Statesboro Ry. near east border of quadrangle.

Road crossing.....	32 25 29.6	81 45 13.0	-----
Do.....	32 25 58.1	81 46 13.0	5,890
Do.....	32 26 18.4	81 46 51.2	3,865
Prim. Trav. Sta. No. 13 J 1918 (previously described).....	32 26 39.7	81 46 54.8	2,182

## Northeast along Central of Georgia Ry.

Statesboro, opposite semaphore station of Central of Georgia Ry., center of track.....	32 26 56.6	81 46 49.6	1,770
Crossing of Midland Ry.....	32 27 31.1	81 46 44.5	3,517
Road crossing.....	32 28 03.3	81 46 32.8	3,405
Do.....	32 28 31.0	81 46 07.3	3,550
Do.....	32 28 46.2	81 45 53.4	1,950
North end of trestle.....	32 29 07.9	81 45 40.1	2,476
Road crossing.....	32 29 50.7	81 45 26.1	4,482

## Southwest along Central of Georgia Ry. (By Oscar Jones in 1918.)

Statesboro, crossing of Central of Georgia and Midland railroads, 50 feet east of road crossing.....	32 26 20.6	81 47 04.4	-----
Road crossing.....	32 25 22.8	81 47 54.9	7,270
Do.....	32 25 07.2	81 48 08.5	1,960
Do.....	32 24 37.8	81 48 34.1	3,690
Do.....	32 24 16.0	81 48 53.2	2,740
Do.....	32 23 52.2	81 49 19.6	3,306
Jimps station, road crossing.....	32 23 09.2	81 50 07.4	5,975
East end of trestle.....	32 22 18.3	81 51 25.4	8,437
Road crossing.....	32 22 07.2	81 52 03.0	3,420
Do.....	32 21 56.5	81 52 39.5	3,311
Register, 150 feet west of station, 5 feet north of milepost 876; iron post stamped "Prim. Trav. Sta. No. 14, 1918 J".....	32 21 56.4	81 53 05.2	2,212
Road crossing.....	32 22 20.1	81 54 03.9	5,576
Do.....	32 22 31.7	81 54 31.8	2,670
Do.....	32 22 51.8	81 55 20.2	4,620
Chandler, road crossing.....	32 23 02.1	81 55 44.8	2,360
Road crossing.....	32 23 16.5	81 56 23.4	3,613
Pulaski, road crossing.....	32 23 24.2	81 57 24.6	5,310
Road crossing.....	32 23 31.9	81 58 25.8	5,310
Parish, road crossing.....	32 23 38.7	81 59 21.0	4,790

## REGISTER QUADRANGLE—Continued.

Northwest along railroads and highways in northeast corner of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossing of Midland Ry. and Statesboro-Garfield road .....	32 27 34.2	81 47 13.0	.....
Crossing of Midland and Savannah & Statesboro railroads, center of track at switch stand .....	32 27 13.2	81 47 31.8	2,667
Road crossing .....	32 27 41.6	81 47 57.6	4,110
Do .....	32 28 00.1	81 48 07.5	1,526
Do .....	32 28 21.1	81 48 47.9	4,066
Road crossing, Statesboro and Postal road .....	32 28 40.2	81 48 59.0	2,149
Road crossing .....	32 29 31.9	81 49 44.6	6,528
Colfax, road crossing .....	32 29 58.1	81 50 24.1	4,293
Crossroads .....	32 29 53.1	81 54 37.0	.....

Southeast and east along highways in south part of quadrangle.

Creek crossing .....	32 19 52.4	81 59 37.6	.....
Crossroads .....	32 19 40.2	81 59 29.6	1,415
Do .....	32 19 03.3	81 58 56.2	4,705
Road fork .....	32 18 52.0	81 58 37.0	2,019
Excelsior crossroads, south front of church and school .....	32 18 49.4	81 57 57.8	3,375
Road fork .....	32 18 06.5	81 58 03.0	4,360
Do .....	32 17 11.6	81 57 57.8	5,572
Center of bridge over Tenmile Creek .....	32 16 36.5	81 57 45.9	3,697
Road fork, in southeast corner of, 0.5 mile north of Kennedy's bridge over Canoochee River; iron post stamped "Prim. Trav. Sta. No. 22, 1918 J" .....	32 16 26.5	81 57 42.7	1,049
Crossing of East Georgia Ry. ....	32 16 09.5	81 56 17.6	7,506
Crossroads .....	32 16 16.7	81 55 43.4	3,019
Road fork .....	32 15 57.5	81 55 02.8	3,991
Crossroads .....	32 15 48.7	81 54 51.6	1,312
Do .....	32 15 24.8	81 54 25.3	3,302
Road fork .....	32 15 14.2	81 53 32.3	4,670
Do .....	32 15 07.6	81 53 07.5	2,233
Crossroads (in Daisy quadrangle) .....	32 14 59.8	81 52 13.4	4,716
Center of bridge over Scotts Creek, Bulloch-Evans county line .....	32 15 28.8	81 51 45.6	3,780
Crossroads .....	32 15 55.7	81 51 15.9	3,724
Road fork .....	32 16 33.4	81 50 38.8	4,968
Crossroads .....	32 16 55.1	81 50 04.8	3,645
Center of bridge over Kirby Branch at road fork .....	32 17 33.2	81 49 23.1	5,328
Center of bridge over Lotts Creek .....	32 17 51.4	81 48 53.7	3,068
Do .....	32 17 46.1	81 48 25.8	2,455
Crossroads .....	32 17 55.2	81 47 34.6	4,489
Crossroads, 70 feet north of mail box .....	32 17 27.7	81 47 39.1	2,809
Prim. Trav. Sta. No. 16, 1918 J (previously described) .....	32 17 08.1	81 46 44.0	5,121

South along highway near west border of quadrangle.

Crossroads .....	32 28 16.7	81 59 43.4	.....
Do .....	32 27 57.1	81 59 53.5	2,160

Magnetic declination for south edge of quadrangle, 0.5° E.

South along highways near east border of quadrangle. (By Oscar Jones in 1917.)

Crossroads .....	32 16 58.7	81 45 28.8	.....
Road fork .....	32 16 17.3	81 45 35.3	4,213
Nevilles, railroad crossing .....	32 15 54.8	81 45 39.6	2,300
Road fork .....	32 15 03.5	81 46 05.9	5,654

South along highways near west border of quadrangle.

Kennedy, bridge over Canoochee River, 0.5 mile north of; iron post stamped "Prim. Trav. Sta. No. 22, J 1918" .....	32 16 26.5	81 57 42.7	.....
Kennedy, bridge over Canoochee River, north end of .....	32 16 04.6	81 58 03.0	2,817
Road fork .....	32 16 01.4	81 58 25.8	1,984
Crossroads .....	32 15 32.0	81 58 42.7	3,298
Do .....	32 15 13.4	81 58 54.6	2,152

Magnetic declination for west border of quadrangle, 0.6° E.

## REGISTER QUADRANGLE—Continued.

(By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Prim. Trav. Sta. No. 22 J (previously described).....	32 16 26.5	81 57 42.7	.....
Road fork.....	32 16 03.6	81 58 58.2	6,882
Do.....	32 16 11.9	81 59 33.0	3,106

## REIDSVILLE QUADRANGLE.

South along east border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Crossroads.....	31 57 19.3	82 00 01.6	.....
Road fork.....	31 57 09.4	82 00 24.5	2,215
Crossroads.....	31 56 48.6	82 00 45.2	2,758
Tyson, crossroads.....	31 56 19.8	82 01 15.1	3,893
Tyson, 1 mile southeast of, 3 miles west of Medlock, in southeast corner of road at crossroads; iron post stamped "Prim. Trav. Sta. No. 29, J 1918".....	31 55 42.3	82 00 24.7	5,759
Road fork.....	31 54 55.6	82 00 32.7	4,773
T road north.....	31 53 59.3	82 00 40.7	5,726
Crossroads.....	31 53 16.8	82 00 19.0	4,682
West end of bridge at mill, 1,843 feet east of Prim. Trav. Sta. No. 29.	31 55 41.4	82 00 03.3	.....

Magnetic declination for east border of quadrangle, 0.6° E.

## ROBBINS QUADRANGLE.

Along highways near west border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Beaver Dam Creek, center of bridge over.....	33 07 21.8	81 44 19.1	.....
Intersection of Girard and Griffins Landing road with old Savannah and Augusta road, 30 feet east of crossing; iron post stamped "Prim. Trav. Sta. No. 125, 1918 Mac.".....	33 05 52.7	81 42 29.6	12,958
Road fork.....	33 04 53.6	81 43 01.4	6,558
Do.....	33 03 53.9	81 43 17.7	6,190
Spur line unchecked, road fork.....	33 06 40.3	81 42 04.9	.....
Griffins Landing, 35 feet from river bank and 25 feet west of warehouse, in notch cut in root of cypress tree west side; nail.....	33 06 55.3	81 42 15.7	1,772
Griffins Landing, about 900 feet below; U. S. Engineers b. m. post..	33 06 55.7	81 42 03.9	908

Along highways near south border of quadrangle.

Crossing on Burke-Screven county line.....	33 01 28.1	81 34 38.3	.....
Stony Bluff ferry, 2 miles west of, 25 feet west of crossroads, 100 feet west of store; iron post stamped "Prim. Trav. Sta. No. 114, 1918 Mac."; azimuth to nail in water-oak tree on south side of road, distant 436 feet, 57° 17' 13".....	33 01 33.2	81 34 40.9	568
Road fork.....	33 01 15.1	81 35 35.2	4,909
Crossroad, at top of hill.....	33 01 11.5	81 36 44.6	5,924
Road fork.....	33 01 05.2	81 37 44.9	5,158
Do.....	33 01 04.8	81 38 38.8	4,590
Angle in road.....	33 01 20.0	81 39 38.7	5,327
Crossroads.....	33 01 44.0	81 40 41.0	5,834
Do.....	33 02 04.8	81 42 00.5	7,089
Girard, near south end of village, 120 feet S. 25° E. from corner of brick bank building; iron post stamped "Prim. Trav. Sta. No. 110, 1918 Mac.;" azimuth to steeple of Methodist church, 50° 57' 30".....	33 02 23.9	81 42 42.6	4,072

## ROBBINS QUADRANGLE—Continued.

Along highways near west border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork.....	33 01 42.4	81 43 29.9	5,811
Do.....	33 01 20.5	81 44 02.9	3,575

Magnetic declination for west border of quadrangle, 1° 10' E.; for south border of quadrangle, 0° 30' E.

## ROCKY FORD QUADRANGLE.

West along railroads and highways near south border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 30 17.2	81 51 06.3	.....
Do.....	32 30 28.7	81 51 31.7	2,480
Do.....	32 30 34.1	81 52 29.1	4,939
Do.....	32 30 50.4	81 52 54.8	2,749
Blands Spur station, 300 feet west of, 50 feet northeast of crossroads; iron post stamped "Prim. Trav. Sta. No. 19, J 1918".	32 30 56.3	81 53 31.5	3,195
Road fork.....	32 30 29.9	81 54 04.2	3,874
Do.....	32 30 09.9	81 54 23.3	2,592
Crossroads (in Register quadrangle).....	32 29 53.1	81 54 37.0	2,070
Creek crossing.....	32 30 11.4	81 55 08.2	3,248
Road fork.....	32 30 15.7	81 55 54.9	3,940
Crossroads.....	32 30 24.6	81 56 51.6	5,028
Do.....	32 30 28.1	81 57 44.6	4,549
Center of bridge at mill.....	32 30 43.4	81 58 19.4	3,365
Crossroads.....	32 30 59.4	81 58 49.7	3,053
Do.....	32 31 07.3	81 59 36.2	4,063

Magnetic declination for south border of quadrangle, 0.5° E.; for quadrangle, 0.4° E.

On Central of Georgia Ry. in southeast corner of quadrangle. (By Oscar Jones in 1918.)

Clito, center of track opposite center of station.....	32 30 47.1	81 45 13.1	.....
Road crossing.....	32 31 04.5	81 45 09.2	1,792

Along highway northwest through center of quadrangle. (By E. L. McNair in 1918.)

Angle in road near second-class road southwest.....	32 35 15.8	81 58 32.7	.....
Road fork, 200 feet north of bridge.....	32 34 35.8	81 57 56.4	5,091
Crossroad.....	32 34 00.1	81 56 47.3	6,931
Road fork.....	32 33 35.3	81 56 04.2	4,467
Crossroad at schoolhouse.....	32 33 32.4	81 54 54.9	5,936
Crossroads.....	32 33 56.0	81 54 28.9	3,257
Rocky Ford, 4.5 miles southeast of, about 2 miles northeast of Bradwells schoolhouse, 10 feet north and 15 feet west of crossroads; iron post stamped "Prim. Trav. Sta. No. 127, 1918 Mac."; azimuth to north edge of north chimney on house of Joe Parish, about 1,000 feet distant, 279° 05' 30".....	32 34 46.6	81 53 27.2	7,351
Road fork.....	32 35 23.1	81 52 50.8	4,826
Road fork near gin.....	32 36 31.9	81 51 34.5	9,540
Road fork at Finch's store.....	32 37 25.4	81 51 37.7	3,410
Center of bridge.....	32 37 36.4	81 51 19.1	1,936
Crossroads.....	32 38 18.4	81 50 39.1	5,451
Center of iron truss span bridge across Ogeechee River.....	32 39 07.4	81 50 10.5	5,333

**ROCKY FORD QUADRANGLE—Continued.**

Along highways near west border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
T road east.....	32 44 44.1	81 59 48.1	.....
Road fork.....	32 43 57.3	81 59 39.2	4,772
Center of bridge.....	32 43 34.0	81 59 45.1	2,419
Crossroads.....	32 41 16.5	81 59 57.1	.....
Center of bridge.....	32 40 43.2	81 59 41.4	3,610
Crossroads.....	32 40 17.5	81 59 35.8	2,640
Center of bridge.....	32 39 42.1	81 59 35.6	3,564
Road fork.....	32 38 23.7	81 59 53.9	8,070
Crossroads.....	32 35 47.0	81 59 16.1	.....
Road fork.....	32 34 23.7	81 59 25.1	8,450
Crossing of Midland Ry., about 600 feet west of Aaron station.....	32 34 06.2	81 59 42.0	2,281
Center of bridge.....	32 33 48.0	81 59 51.4	2,013
Crossroads.....	32 32 45.8	81 59 53.7	6,291
Do.....	32 32 14.0	81 59 47.7	3,265
T road east.....	32 32 35.9	81 59 44.9	3,856

Along Central of Georgia Ry. from Millen southeast.

Milepost 73, road crossing 1,250 feet northwest of, 150 feet south to cabin.....	32 44 46.2	81 53 00.6	.....
Milepost 73, road crossing 2,100 feet southeast of.....	32 44 22.4	81 52 33.9	3,317
Milepost 72, road crossing 1,300 feet east of.....	32 43 39.2	81 52 24.7	4,441
Scarboro, road crossing at station.....	32 42 44.9	81 52 30.9	5,515
Jenkins-Screven county line, crossing of.....	32 41 36.3	81 51 46.9	7,886
Milepost 68, road crossing 800 feet northwest of, 200 feet southwest to house.....	32 40 58.4	81 51 05.1	5,238
Milepost 67, railroad track opposite.....	32 40 14.7	81 50 17.0	6,030
Rocky Ford, road crossing at station.....	32 39 49.0	81 49 47.8	3,600
Milepost 65, railroad track opposite.....	32 39 10.7	81 48 39.9	6,986
Milepost 64, railroad track opposite.....	32 38 42.4	81 47 48.2	5,258
Milepost 63, railroad track opposite.....	32 38 01.4	81 47 11.7	5,195
Milepost 62, railroad track opposite.....	32 37 31.0	81 46 21.9	5,254
Ogeechee, road crossing at station.....	32 37 11.1	81 45 53.0	2,865

Magnetic declination for center of quadrangle, 0° 30' E.; for west border of quadrangle, 0° 45' E.

**ROSIER QUADRANGLE.**

Along Georgia &amp; Florida R. R. near west border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Milepost 206, road crossing 750 feet north of.....	32 59 10.2	82 14 38.7	.....
Rosier, 700 feet northwest of station, on west side of railroad, 20 feet north of wagon road; iron post stamped "Prim. Trav. Sta. No. 8, 1918 II": 900 feet south of post is point on east rail, azimuth, 349° 33' 30"; 1,080 feet north of post is point on east rail, azimuth, 170° 49' 45".....	32 58 37.2	82 14 32.1	3,385
Milepost 205, road crossing 2,700 feet south of.....	32 57 44.6	82 14 21.3	5,400
Milepost 204, road crossing 1,450 feet south of, 300 feet southeast to cabin.....	32 57 05.4	82 14 16.0	3,985
Milepost 203, road crossing 800 feet south of.....	32 56 19.9	82 14 22.2	4,630
McGruder, road crossing 300 feet south of.....	32 55 13.4	82 14 31.4	6,770
Milepost 200, railroad track opposite.....	32 53 52.0	82 14 30.9	8,228
Lawsons crossing, road crossing at.....	32 53 09.8	82 14 27.2	4,283
Milepost 198, road crossing 600 feet north of.....	32 52 14.6	82 14 34.8	5,615
Milepost 197, road crossing 500 feet south of.....	32 51 11.7	82 14 24.7	6,414
Milepost 196, road crossing 1,000 feet north of, at house.....	32 50 34.6	82 14 17.3	3,810
Midville, road crossing 1 mile north of.....	32 50 05.0	82 14 11.7	3,028
Midville, in southwest part of, 20 feet northwest of crossing of Georgia & Florida and Central of Georgia railroads; iron post stamped "Prim. Trav. Sta. No. 9, 1918 II": 1,260 feet north of post is point on east rail, azimuth, 195° 44' 45"; 631 feet east of post is point on north rail of Central of Georgia Ry. azimuth, 277° 38' 45".....	32 49 04.0	82 14 24.6	6,263

## ROSIER QUADRANGLE—Continued.

## Along Central of Georgia Ry. in south part of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Fect.
Midville, 0.75 mile east of, second-class road crossing.....	32 49 01.6	82 13 28.7	4,774
Midville, 1.75 miles west of, second-class road crossing, 60 feet south to gate.....	32 48 58.5	82 12 22.0	5,691
Milepost 93, railroad track opposite.....	32 49 06.6	82 10 59.2	7,115
Milepost 92, railroad track opposite.....	32 49 06.9	82 09 57.4	5,272
Burke-Jenkins county line, crossing of.....	32 49 10.2	82 08 47.9	5,940
Herndon, road crossing east of station.....	32 49 13.7	82 07 46.0	5,292
Milepost 89, railroad track opposite.....	32 49 16.6	82 06 51.4	4,668
Milepost 88, railroad track opposite.....	32 49 16.8	82 05 47.6	5,444
Rogers, road crossing at.....	32 49 10.7	82 04 28.8	6,760
Milepost 85, railroad track opposite.....	32 49 02.4	82 02 44.6	8,931
Cushingville, road crossing 1 mile west of.....	32 48 44.6	82 01 33.5	6,326
Cushingville, road crossing at station.....	32 48 27.8	82 00 35.7	5,220

## Along highways near west border of quadrangle.

T road, 300 feet east of this point is T road north at store.....	32 47 03.4	82 14 47.5	.....
Midville, 1 mile south of, three corners, south of bridges.....	32 48 23.1	82 14 21.8	8,354
Midville, iron post No. 9, H 1918.....	32 49 04.0	82 14 24.6	4,135

## Along highways near south border of quadrangle.

Hinco schoolhouse, forks at, 20 feet northeast to two mail boxes....	32 45 18.3	82 10 04.4	.....
House north of road, entrance to, 20 feet northeast to mail box....	32 45 52.4	82 09 24.4	4,840
House south of road, entrance to.....	32 46 28.7	82 08 33.5	5,690
Crossroads, 40 feet northeast to lamp.....	32 47 07.2	82 08 08.9	4,416
Herndon, about 3 miles southeast of, 40 feet northwest of crossroads at church; iron post stamped "Prim. Trav. Sta. No. 32, 1918 H"; 963 feet southwest is nail in hub on north side of road, azimuth, 70° 00' 00".....	32 47 19.4	82 07 17.0	4,598
Crossroads, 30 feet northwest to three mail boxes.....	32 47 19.2	82 06 29.7	4,040
Yellow store building, road opposite.....	32 47 22.1	82 05 35.0	4,676
Store, crossroads at.....	32 47 19.9	82 04 53.5	3,544
House on south side of road, sawmill entrance to.....	32 47 16.1	82 03 33.1	6,878
Crossroads, 20 feet northeast to mail box.....	32 46 41.6	82 02 13.4	7,647
Road north at mail box.....	33 45 53.6	82 01 17.4	6,803
Crossroads.....	32 45 39.9	82 00 21.1	5,000

## Along highways near north border of quadrangle.

Crossroads, 40 feet southwest to two mail boxes.....	32 54 24.7	82 00 32.2	.....
Buckhead Church, three corners northeast of.....	32 54 10.2	82 01 21.8	4,470
Forks of road.....	32 53 23.6	82 01 42.9	5,057
Crossroads, 15 feet southwest to two mail boxes.....	32 53 46.9	82 03 12.8	8,008
Negro church, crossroad 100 feet northeast of.....	32 54 14.5	82 03 48.3	4,113
Burke-Jenkins county line, crossroads on.....	32 54 59.0	82 04 54.0	7,189
Gin, crossroads at.....	32 56 05.9	82 06 31.9	10,740

## Along highways near west border of quadrangle.

Forks of road, 100 feet west to cabin.....	32 56 36.9	82 07 21.1	5,219
Crossroads, 30 feet southwest to three mail boxes.....	32 57 04.2	82 07 54.5	3,971
T road southwest.....	32 57 58.9	82 09 57.0	11,806
Crossroads.....	32 58 06.5	82 11 42.2	8,994
T road, 50 feet northeast to cabin.....	32 58 13.0	82 12 44.6	5,350
Second-class crossroad, 30 feet northwest to big tree.....	32 58 29.0	82 13 47.3	5,572
Iron post No. 8, H 1918.....	32 58 37.2	82 14 32.1	3,895

Magnetic declination for north border of quadrangle, 0° 45' E.; for west border of quadrangle, 0° 52' E.; for south border of quadrangle, 0° 51' E.

## ST. MARYS QUADRANGLE.

Along Atlantic, Waycross &amp; Northern R. R. (By J. B. Leavitt in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Burrells Creek, center of trestle over.....	30 44 58.6	81 34 58.8	.....
Trestle elevation T. R. 9.2, near end of long tangent, center of....	30 44 23.5	81 33 40.0	7,741
T. b. m. 10 feet from center of track, in old stump, elevation on pine tree 13.5 feet, center of track opposite.....	30 44 07.6	81 33 27.1	1,062
Second-class road crossing, 30 feet northwest to pine tree marked "10.7 feet".....	30 43 32.4	81 33 32.8	3,590
St. Mary's, Riverview Hotel, two blocks north of, at intersection of Osborne Street and east-west street, drill hole in sandstone....	30 43 22.7	81 32 53.5	3,575
Point Peter triangulation station, on slightly elevated ground, in a large open field formerly cultivated and separated on the south- east from Cumberland Sound and St. Marys River by extensive marshes; station is marked by intersection of two lines cut in top of a granite monument surrounded by a mass of concrete which extends from 2 inches below surface of ground to a depth of 14 inches.....	30 43 37.74	81 30 43.87	11,414

From St. Marys northwest along highways. (By J. B. Leavitt in 1917.)

St. Marys, northwest corner of courthouse yard, 1.5 feet south of fence; iron post stamped "Prim. Trav. Sta. No. 24 K".....	30 43 33.4	81 32 50.2	.....
St. Marys, end of Osborne Street, where shell road turns west.....	30 44 14.7	81 32 41.4	4,249
T road north, where line leaves shell road and turns due north, 2,100 feet south of T road west.....	30 44 31.2	81 33 13.4	3,258
T. b. m. 15.8, center of road opposite.....	30 44 58.3	81 33 09.2	2,760

## SANDERSVILLE QUADRANGLE.

Along highways near west border of quadrangle. (By C. B. Kendall and C. W. Arnold in 1916.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Washington-Wilkinson county line crossing.....	32 50 28.6	82 58 47.5	.....
Gardner station, 30 feet west of, center of tract.....	32 50 58.9	82 58 06.5	4,784
Gardner station, about 1 mile east of, 450 feet northeast of Oconee station, 70 feet northwest of road crossing railroad, in center of triangle at road forks; iron post stamped "Prim. Trav. Sta. No. 5, 1916".....	32 51 25.6	82 57 07.8	5,690
Oconee station, 0.6 mile northeast of, south point of triangle at road forks.....	32 51 55.9	82 56 52.5	3,324
Buffalo Creek, southeast end of south wagon bridge over.....	32 53 20.4	82 57 41.5	9,508
Road forks, center of road east.....	32 54 37.7	82 58 55.3	10,032
Road forks, center of, at farm road east.....	32 55 10.7	82 59 57.3	6,251
Road forks, road west.....	32 50 11.2	82 56 33.4	.....
A. T. Cook's mail box, second-class road east at.....	32 49 42.6	82 55 55.4	4,337
Road forks, road east.....	32 48 59.6	82 55 00.1	6,407
Millpost 16.....	32 48 14.3	82 55 58.0	6,745
Creek, center of.....	32 47 50.0	82 56 18.5	3,013
Millpost 17.....	32 47 35.3	82 56 41.1	2,435
Ball's ferry, east bank of Oconee River.....	32 47 13.3	82 57 24.6	4,332

Magnetic declination for west border of quadrangle, 1° 20' E.

Along Central of Georgia Ry. (By E. L. McNair in 1918.)

Road crossing.....	32 56 44.8	82 45 25.0	.....
Do.....	32 56 45.0	82 46 10.5	3,886
Second-class road crossing.....	32 56 45.1	82 46 52.7	3,596
Millpost A160.....	32 56 32.7	82 47 54.2	5,398
Tennille station, 0.3 mile east of, within Y formed by tracks of Wrightsville & Tennille R. R., 60 feet north of public road, 500 feet southeast of large concrete water tower, 35 feet west of a well; iron post stamped "Prim. Trav. Sta. No. 139, 1918 Mac. 2"; azimuth to rod on top of concrete water tower, 117° 31' 00"; to church steeple, 96° 59' 30"; to top of steel water tower, 87° 59' 30"....	32 56 13.4	82 48 26.2	3,358
Second-class road crossing.....	32 55 56.7	82 49 06.7	3,840
Road crossing.....	32 55 17.5	82 50 22.7	7,598
Millpost A156.....	32 54 17.4	82 50 43.0	6,313
Road crossing, over railroad.....	32 53 45.6	82 50 54.3	3,356

## SANDERSVILLE QUADRANGLE—Continued.

Along Central of Georgia Ry. (By E. L. McNair in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost A154.....	32 53 34.4	82 52 09.6	6,520
Second-class road crossing.....	32 53 05.8	82 52 52.2	4,646
Hazard siding, road crossing at west end of.....	32 52 16.1	82 53 24.6	5,734
Road crossing.....	32 51 32.8	82 54 22.5	6,600
Milepost A150.....	32 51 37.5	82 55 04.9	3,650
Milepost A149.....	32 51 20.4	82 56 00.6	5,061
Oconee, 450 feet northeast of station, 70 feet northwest of railroad and road crossing, in center of triangle at road forks; iron post stamped "Prim. Trav. Sta. No. 5, 1916".....	32 51 25.6	82 57 07.8	5,761

## Southeast along Wrightsville &amp; Tennille R. R.

Tennille station, about 0.33 mile east of, within Y formed by railroad tracks, 60 feet north of public road, about 500 feet southeast of large concrete water tower, 35 feet west of a well; iron post stamped "Prim. Trav. Sta. No. 139, 1918 Mac".....	32 56 13.4	82 48 26.2	.....
Public-road crossing.....	32 55 32.7	82 47 54.0	4,943
Intersection of railway tangents, angle about 18°.....	32 55 09.4	82 47 36.3	2,801
Road crossing.....	32 54 25.1	82 46 55.5	5,672
Lindsey's flag station, public-road crossing.....	32 53 45.3	82 46 22.3	4,925
Public-road crossing.....	32 52 52.0	82 45 47.2	6,160
Peacock's flag station, road crossing.....	32 52 14.7	82 45 21.3	4,370

Magnetic declination for southeast part of quadrangle, 1° 11' E.

## Near Sandersville.

Angle 42° in road, center line both ways, point about 5 feet southeast of persimmon tree, in fence line.....	32 59 31.6	82 49 38.8	.....
Sandersville, at northeast corner of cemetery, street corner.....	32 58 57.2	82 48 51.2	5,346
Sandersville, station of Augusta Southern R. R., about 325 feet southwest of, on Baptist Church grounds, in line with south face of brick church building, 36 feet east of southeast corner of building, 19 feet west of stone curbing, set flush with surface of ground; iron post stamped "Prim. Trav. Sta. No. 147, 1918 Mac".....	32 58 51.04	82 48 41.58	1,034

Magnetic declination near south border of quadrangle, 1° 26' E.

## North along roads.

T road east, just north of county line.....	32 45 54.9	82 55 50.5	.....
Forks of road.....	32 46 51.0	82 55 36.1	5,799
Angle in road of 17°, center line both ways, 12 feet east of center of road.....	32 47 48.0	82 54 51.9	6,894
Crossroad at schoolhouse, 2.5 miles east of Ball's ferry.....	32 48 37.1	82 54 46.47	4,967
Forks of road.....	32 48 59.7	82 55 00.4	2,464
Do.....	32 49 47.5	82 56 02.1	7,153
Center of road, opposite milestone.....	32 50 40.9	82 56 51.6	6,859
Oconee, iron post stamped "No. 5, 1916" (previously described).....	32 51 25.6	82 57 07.8	4,730

Magnetic declination for north part of quadrangle, 1° 15' E.

## North along highways.

Wrightsville, 8.5 miles west of, 115 feet south 48 feet west from Tarbuton's store, 40 feet north of center of road leading west to Kittrell, 60 feet north of corner fence post, 15 feet west of center of north and south road; iron post stamped "Prim. Trav. Sta. No. 145, 1918 Mac".....	32 44 28.7	82 51 19.1	.....
Forks of road, 35 feet north of small stream.....	32 45 13.3	82 51 22.8	4,513
Forks of road, road east.....	32 45 38.4	82 51 31.3	2,639
Forks of road.....	32 46 12.1	82 51 43.7	3,565
Creek crossing, bridge over.....	32 47 27.8	82 51 13.6	8,068
Forks of road, in front of negro church.....	32 47 59.9	82 51 02.8	3,369
Center of road, at milestone 13.....	32 48 53.8	82 50 51.0	5,545
T road east.....	32 49 48.0	82 50 46.6	5,483
Forks of road.....	32 50 20.9	82 50 41.1	3,359
Crossroads, at Slade's store.....	32 51 25.2	82 50 59.5	6,687
Crossroads.....	32 51 56.5	82 50 49.1	3,278
Forks of roads.....	32 52 33.1	82 50 50.8	3,704
T road west.....	32 53 19.2	82 50 56.9	4,687
Public-road crossing over Central of Georgia Ry.....	32 53 45.6	82 50 54.3	2,670

Magnetic declination for quadrangle, 1° 52' E.



## SANDERSVILLE QUADRANGLE—Continued.

North along Augusta Southern R. R.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Tennille, Prim. Trav. Sta. No. 139, 1918.....	32 56 13.4	82 48 26.2	.....
Public-road crossing.....	32 56 34.7	82 48 27.5	2,163
Second-class road crossing.....	32 57 38.5	82 48 26.8	6,445
Street crossing.....	32 58 26.4	82 48 32.7	4,866
Sandersville station, "Prim. Trav. Sta. No. 147, 1918 Mac." (previously described); azimuth to eagle on courthouse, 179° 55' 00"; azimuth to negro church spire, 67° 40' 23".....	32 58 51.0	82 48 41.6	2,604
Public-road crossing at telephone line.....	32 59 17.8	82 48 16.6	3,441
Second-class road crossing.....	32 59 53.8	82 47 24.1	5,765

## SAVANNAH QUADRANGLE.

Northeast along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Little Ogeechee River, center of short girder span over.....	32 00 02.4	81 11 59.2	.....
Switchstand, at south end of siding.....	32 00 39.4	81 10 49.1	7,100
Road crossing.....	32 00 52.3	81 10 24.7	2,465
Road crossing, under grade.....	32 01 08.9	81 09 53.2	3,195
Milepost "Savannah 5," opposite.....	32 01 39.1	81 08 56.0	5,790
Road crossing.....	32 02 15.6	81 07 46.8	7,010
Savannah, street crossing, Montgomery Street.....	32 02 57.1	81 06 28.1	7,960
Street railroad crossing, near Bull Street, Whittaker Street line.....	32 03 08.3	81 06 06.9	2,150
Savannah, tower of post office building.....	32 04 40.33	81 05 35.51	9,680

Magnetic declination for line, 2° 15' E.

Station 1, computed by triangulation.....	32 04 36.0	81 05 33.2	480
Railroad crossing, at Acid Phosphate Mills, Seaboard Air Line and Central of Georgia railroads.....	32 05 06.2	81 08 02.4	13,201
Central Junction, Atlantic Coast Line and Central of Georgia railroads.....	32 05 25.2	81 09 15.0	6,531
Central Junction, 41 feet west from crossing of Central of Georgia and Atlantic Coast Line railroads, 14 feet south of Central of Georgia track and 13 feet northeast of center of Seaboard Air Line track; iron post stamped "Prim. Trav. Sta. No. 54, 1917 Mac."; azimuth of tangent in Central of Georgia Ry., 107° 02' 45".....	32 05 25.2	81 09 15.5	40
Second-class road crossing.....	32 06 22.0	81 09 45.6	6,302
Intersection of tangents.....	32 07 06.8	81 10 04.5	4,805
Public-road crossing.....	32 07 35.7	81 10 15.4	3,065
Road crossing.....	32 08 33.5	81 10 37.4	6,135
Crossing of lumber company railroad and Atlantic Coast Line R. R. Road crossing.....	32 09 11.0	81 10 51.6	3,990
Monteith flag station.....	32 09 51.2	81 11 06.9	4,260
Center of track opposite milepost Sav. 14.....	32 10 41.4	81 11 24.2	5,291
Switch stand at spur turnout.....	32 11 33.5	81 11 20.7	5,272
South end of long girder trestle.....	32 12 34.8	81 10 33.8	7,385
South end girder trestle Savannah River bridge.....	32 13 01.2	81 09 57.2	4,130
	32 13 28.5	81 09 19.4	4,265

Southeast along Seaboard Air Line Ry. (By E. L. McNair in 1917.)

Exley station, public-road crossing.....	32 14 52.5	81 13 45.9	.....
Road crossing.....	32 14 19.9	81 13 40.6	3,325
Milepost 152.....	32 13 18.0	81 13 30.6	6,313
Second-class road crossing.....	32 12 48.6	81 13 25.9	2,997
Milepost 151.....	32 12 26.2	81 13 22.2	2,290
Meinhard siding, road crossing at north end of.....	32 11 10.2	81 12 49.9	8,166
Meinhard station, 80 feet north of public-road crossing, 18 feet east of center of track, 10 feet north and 10 feet west of northwest corner of station building; azimuth to switch stand about 1,900 feet north is 152° 10' 00"; iron post stamped "Prim. Trav. Sta. No. 85, 1917 Mac.".....	32 10 53.9	81 12 39.8	1,862
Road crossing.....	32 09 58.3	81 12 06.9	6,292
Do.....	32 09 45.0	81 11 58.9	1,510
Overhead crossing of Savannah & Atlanta Ry.....	32 08 50.9	81 11 26.6	6,131
Road crossing.....	32 08 24.3	81 11 10.8	3,009
Public-road crossing.....	32 07 34.3	81 10 40.9	5,670
Second-class road crossing.....	32 06 52.2	81 10 15.8	4,775
Central Junction, 1.25 miles north of, level bench mark, 46 feet west of center of track, just north of public-road crossing.....	32 06 18.2	81 09 56.1	3,826
Savannah, about 3 miles northwest of, at Central Junction; post stamped "Prim. Trav. Sta. No. 54" (previously located).....	32 05 25.2	81 09 15.5	6,398

Only two observations for magnetic declination along railroad, 0.0' E. and 0.9' E.

## SAVANNAH QUADRANGLE—Continued.

Northeast along Savannah &amp; Atlanta Ry. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Meinka road, "Prim. Trav. Sta. 85, Mac. 1917" (previously described).....	32 10 53.9	81 12 39.8	.....
Keller, road crossing.....	32 11 07.4	81 12 51.8	1,708
Road crossing.....	32 12 37.3	81 13 39.3	9,960
Do.....	32 13 43.4	81 14 14.2	7,320
Coldbrook, road crossing.....	32 14 16.4	81 14 31.6	3,660
Road crossing.....	32 14 48.9	81 14 48.7	3,600
Savannah post-office building, U. S. C. & G. S. station.....	32 04 40.32	81 05 35.53	.....
Midland station, in front of, center of concrete water stand.....	32 04 43.4	81 06 38.6	5,438
Reliance Fertilizer Plant, intersection of Central of Georgia and Seaboard Air Line railroads.....	32 05 06.2	81 08 02.5	7,579
Central Junction, "Prim. Trav. Sta. No. 54, Mac. 1917".....	32 05 25.2	81 09 15.5	6,576
Second-class road crossing.....	32 05 39.2	81 10 08.8	4,800
Clifton, road crossing.....	32 06 04.4	81 11 45.5	8,700
South end of small trestle.....	32 06 13.3	81 12 19.4	3,050
Center of small culvert.....	32 06 29.9	81 13 23.4	5,750
Windburn, road crossing at brickyard.....	32 06 39.9	81 14 01.8	3,460
Pooler station, 60 feet east of, 28 feet south of track; iron post stamped "Prim. Trav. Sta. No. 1, 1918 J".....	32 06 53.9	81 14 56.7	4,934

## SESSOMS QUADRANGLE.

Northwest along Atlanta, Birmingham &amp; Atlantic Ry. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Beach, road crossing at.....	31 26 22.6	82 30 12.8	.....
Center of trestle at milepost 87.....	31 26 59.0	82 30 47.0	4,609
Center of track opposite milepost 86.....	31 27 40.2	82 31 27.0	5,420
Ware-Bacon county line.....	31 28 04.5	82 31 50.7	3,200
Murray, road crossing.....	31 28 19.3	82 32 04.9	1,940
Center of small trestle.....	31 29 21.9	82 33 05.6	8,220

## SHIRLEY QUADRANGLE.

Northwest along Savannah &amp; Atlanta Ry. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 30 21.1	81 26 02.5	.....
Do.....	32 31 04.5	81 26 38.7	5,370
Kildare, 50 feet west of station, 10 feet north of public road; iron post stamped "Prim. Trav. Sta. No. 9, 1918 J".....	32 32 00.7	81 27 25.9	6,974

East along highways near south border of quadrangle.

Center of wooden bridge.....	32 32 12.8	81 26 50.4	3,275
Road fork at mail box 24.....	32 32 46.7	81 25 52.8	6,005
Crossroads.....	32 32 59.1	81 25 21.7	2,943
Road fork.....	32 33 00.5	81 24 38.3	3,714
Do.....	32 32 59.8	81 24 21.5	1,439
Well at church and school.....	32 32 55.4	81 24 10.9	1,016
Road fork at three corners.....	32 33 04.3	81 23 26.7	3,892
Center of wooden bridge.....	32 33 07.4	81 23 02.3	2,107
Crossroads.....	32 33 07.3	81 22 37.8	2,100
Road fork.....	32 32 54.0	82 21 45.9	4,805
Creek crossing.....	32 32 25.7	81 21 17.4	3,652
Crossroads.....	32 32 16.8	81 20 37.7	3,513
Road fork at R. F. Morel's mail box.....	32 31 49.1	81 19 57.7	4,419
Center of wooden bridge.....	32 31 31.5	81 19 39.3	2,377
Do.....	32 31 18.9	81 19 08.1	2,982
Crossroads.....	32 30 46.0	81 17 58.8	6,801
Road fork.....	32 30 27.4	81 17 49.5	2,039
Do.....	32 30 14.1	81 16 56.9	4,699

## SHIRLEY QUADRANGLE—Continued.

## West along highways.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Kildare, Prim. Trav. Sta. No. 9 (previously described).....	32 32 00.7	81 27 25.9	.....
Crossroads.....	32 31 41.6	81 27 46.2	2,583
Crossroads, at three mail boxes.....	32 31 31.7	81 28 50.4	5,588
Road fork.....	32 31 16.0	81 29 53.4	5,628

Magnetic declination for east border of quadrangle,  $0.1^{\circ}$  E.; for west border of quadrangle,  $0.9^{\circ}$  E.

## Along highways near west border of quadrangle. (By E. L. McNair in 1918.)

Road crossing, Savannah & Atlanta Ry.....	32 35 02.9	81 29 57.6	.....
T road south.....	32 35 24.5	81 29 04.3	5,057
T road west.....	32 35 37.5	81 28 16.9	4,267
Road fork.....	32 36 03.1	81 27 43.1	3,890
T road west.....	32 36 27.4	81 27 07.7	3,899
Crossroads, old Savannah and Augusta road.....	32 37 01.6	81 26 40.4	4,176
Road fork.....	32 37 47.0	81 27 07.4	5,136
Do.....	32 38 45.7	81 27 44.0	6,704
Crossroads.....	32 39 28.1	81 28 05.7	4,676
T road west at schoolhouse.....	32 40 19.4	81 28 21.7	5,367
Road fork.....	32 40 45.7	81 28 23.0	2,670
Do.....	32 41 12.6	81 28 22.0	2,720
Hunters station, 6 miles east of, 3.5 miles west of Poor Robbins Landing, 80 feet south of crossroad fs, 15 feet east of center of road, 3 feet from wire fence; iron post stamped "Prim. Trav. Sta. No. 119, 1918 Mac.;" azimuth to southwest edge of chimney on George E. Boddifore's house, $118^{\circ} 47' 15''$ .....	32 41 51.7	81 28 37.8	4,185

## Along highways near north border of quadrangle. (Spur line unchecked.)

T road fork.....	32 41 40.2	81 28 00.3	.....
Road fork.....	32 41 26.2	81 27 12.1	4,362
Do.....	32 41 29.7	81 26 32.9	3,362
Do.....	32 41 44.0	81 26 21.6	1,747
Poor Robbins Landing, 110 feet southwest of storehouse, in oak tree 2.5 feet above ground, 2 feet above spike in cross cut in tree; spike.....	32 42 08.1	81 25 45.2	3,952

## Along Savannah &amp; Atlanta Ry.

Road crossing.....	32 34 38.5	81 29 37.1	4,412
Do.....	32 33 46.0	81 28 53.4	6,488
Do.....	32 32 53.9	81 28 10.0	6,450
Kildare, 50 feet west of station, 10 feet north of public road; iron post stamped "Prim. Trav. Sta. No. 9, 1918 J".....	32 32 00.7	81 27 25.9	6,568

## Along highways near west border quadrangle.

Crossroads.....	32 42 51.5	81 29 18.5	6,971
T road.....	32 43 24.3	81 29 48.8	4,210

## Along highways to Hudson Ferry. (Spur line unchecked.)

Center of bridge at creek crossing.....	32 37 15.8	81 26 01.0	.....
Hudson ferry, U. S. Engineers concrete bench-mark post at.....	32 37 04.2	81 24 45.7	6,546

Magnetic declination for west border of quadrangle,  $0^{\circ} 15'$  E.; for north border of quadrangle,  $0^{\circ} 10'$  E.

## South along Seaboard Air Line Ry.

Savannah River, center of swing-span bridge, Georgia-South Carolina State line.....	32 31 29.2	81 15 46.3	.....
Public-road crossing.....	32 30 56.5	81 16 04.7	3,669
Second-class road crossing.....	32 30 06.0	81 16 13.7	5,157

## SHOULDER QUADRANGLE.

Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Highway crossing over railroad.....	33 16 09.2	83 00 36.2	.....
Milepost 27.....	33 15 50.9	83 01 15.5	3,815
Glenford, road crossing just west of.....	33 15 19.2	83 02 05.4	5,312
Second-class T road southeast.....	33 28 55.2	83 00 18.0	.....
White Plains, 1.5 miles east of, crossroads (Kendall 1911).....	33 28 38.0	83 00 44.2	2,821

## SPARKS QUADRANGLE.

From middle of south border of quadrangle northwest along Georgia Southern &amp; Florida Ry. to north border of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Private-road crossing.....	31 00 01.1	83 22 37.5	.....
Road crossing.....	31 00 50.2	83 22 54.7	5,185
Road crossing, 243 feet northwest of point opposite milepost 136.....	31 01 16.3	83 23 03.8	2,745
Berrien-Lowndes county-line post.....	31 01 46.1	83 23 14.3	3,145
Cecil, road crossing at north end of station.....	31 02 45.2	83 23 35.0	6,245
Second-class road crossing.....	31 03 40.9	83 23 54.6	5,870
Milepost 132.....	31 04 34.4	83 24 13.4	5,653
Private-road crossing.....	31 04 57.1	83 24 21.4	2,387
Road crossing, 840 feet northwest of milepost 131.....	31 05 32.5	83 24 33.8	3,740
Milepost 130.....	31 06 14.6	83 24 48.6	4,440
Public-road crossing.....	31 07 13.8	83 25 09.5	6,250
Adel, street crossing at north end of station.....	31 08 11.4	83 25 29.8	6,085
Second-class road crossing.....	31 08 52.3	83 25 44.3	4,320
Public-road crossing.....	31 09 31.6	83 25 58.2	4,150
Sparks, 390 feet northwest of point opposite station, 40 feet west of center of main track, 90 feet north of center of street, on ground about 2 feet higher than track; iron post stamped "Prim. Trav. Sta. No. 47, 1917 Mac."; azimuth of long tangent, 163° 04'.....	31 10 01.0	83 26 09.1	3,120
Crossing of Georgia and Florida Ry. with Georgia Southern & Florida Ry.....	31 10 09.5	83 26 11.6	882
Intersection of long tangents; deflection, plus 4° 38'.....	31 11 10.4	83 26 33.2	6,428
Road crossing.....	31 11 55.3	83 26 44.6	4,645
Public-road crossing, 800 feet northwest of road crossing at turn-pentine still.....	31 12 47.0	83 26 57.8	5,350
Second-class road crossing near switch stand, south end of siding.....	31 14 06.6	83 27 18.0	8,230
Road crossing.....	31 14 53.7	83 27 30.0	4,865

## SPARTA QUADRANGLE.

Southwest along Georgia R. R. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Public-road crossing.....	33 21 44.9	82 45 40.0	.....
Highway crossing over railroad.....	33 21 34.3	82 46 13.6	3,050
Public-road crossing.....	33 21 30.2	82 47 18.5	5,520
Center of iron truss on bridge over Ogeechee River.....	33 21 23.5	82 47 52.3	2,949
Mayfield station, 136 feet S. 31° 30' W. from semaphore post, 35 feet south of center of track, 12 feet northwest of well on bank, 3 feet above track; iron post stamped "Prim. Trav. Sta. No. 156, 1918 Mac."; azimuth to church steeple, 179° 00'.....	33 21 15.0	82 48 03.8	1,301
Public-road crossing.....	33 21 09.4	82 48 12.4	933
Second-class road crossing.....	33 20 41.6	82 48 52.4	4,405
Do.....	33 20 05.9	82 49 43.5	5,645
Highway crossing overhead.....	33 19 21.6	82 51 29.1	10,023
Milepost 18.....	33 18 52.6	82 52 44.9	7,070
Culverton station, road crossing at.....	33 18 33.9	82 53 33.8	4,560
Public-road crossing.....	33 18 16.1	82 54 20.2	4,335
Center of creek crossing, high trestle over.....	33 17 52.6	82 55 21.6	5,730
Granite Hill station, road crossing at.....	33 17 34.0	82 56 10.4	4,555
Road crossing.....	33 17 26.7	82 56 29.3	1,770
Center of creek crossing, high trestle over.....	33 17 19.5	82 56 48.0	1,750
Road crossing.....	33 17 08.7	82 57 16.4	2,650
Sparta station, 126 feet N. 34° E. from, on bank about 35 feet north of railroad track; iron post stamped "Prim. Trav. Sta. No. 157, 1918 Mac."; azimuth to top of steel water tank, 235° 34'.....	33 16 48.9	82 58 09.1	4,900
Center of track at overhead highway bridge.....	33 16 48.8	82 58 33.2	2,479
Road crossing, Milledgeville-Sparta road (B. 551, p.106).....	33 16 43.0	82 59 23.5	3,892

No magnetic bearings taken.

## SPARTA QUADRANGLE—Continued.

East along highways near south border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
Sparta, "Prim. Trav. Sta. No. 157, 1918 Mac." (previously described).....	33 16 48.9	82 58 09.1	Feet.
Second-class road south.....	33 16 15.2	82 57 36.7	4,376
Road fork.....	33 16 06.6	82 57 08.5	2,552
Second-class road south.....	33 15 45.4	82 56 20.0	4,647
Fork of road, center of intersection.....	33 15 15.3	82 54 52.1	8,067
Fork of road.....	33 15 11.3	82 54 16.0	3,097
Sparta, 7.3 miles east of, on road to Shoals, 100 feet east of Little Ogeechee Creek, in triangle at fork of road, locality known as Culvers Mill Pond; iron post stamped "Prim. Trav. Sta. No. 158, 1918 Mac."; azimuth, to base of iron rod supporting mail boxes, 66° 33' 00"; azimuth to nail in pine tree 5 feet above ground, 66° 50' 35".....	33 15 26.2	82 51 27.8	14,369
Fork of road.....	33 15 30.3	82 50 55.8	2,746
Crossroad.....	33 15 27.0	82 50 29.1	2,300
Fork of road, straight line of road northwesterly.....	33 15 09.1	82 49 29.8	5,357
Shoals, center of bridge over Ogeechee River.....	33 15 11.4	82 45 21.4	.....
Fork of road.....	33 15 31.3	82 45 18.5	2,019
Shoals, 1.33 miles north of, on road to Warrenton, 15 feet west of center of road, at corner of yard fence of tenant house of Mr. Long; iron post stamped "Prim. Trav. Sta. No. 159, 1918 Mac." (No azimuth).....	33 16 23.6	82 45 12.0	5,311

## North along highways near east border of quadrangle.

Fork of road, 25 feet west of persimmon tree, in line with road southeast and northwest, 15 feet north of road.....	33 17 49.2	82 45 10.5	.....
Jewell, 0.25 mil east of, fork of road.....	33 17 43.8	82 46 17.9	5,745
Center of bridge over Long Creek.....	33 18 33.3	82 46 07.6	4,777
Crossroads.....	33 19 08.4	82 46 30.2	4,296
Center of creek crossing, on bridge over.....	33 19 33.7	82 46 42.3	2,755
Do.....	33 20 19.9	82 47 04.5	5,031
Fork of road.....	33 21 13.3	82 47 21.1	5,580
Ogeechee River, bridge over.....	33 21 19.9	82 47 51.4	2,652
Mayfield, "Prim. Trav. Sta. No. 156, 1918 Mac." (previously described).....	33 21 15.0	82 48 03.8	1,162
Public crossroads.....	33 21 29.7	82 48 59.5	4,952
Fork of road about 400 feet southeast of church.....	33 21 51.4	82 50 04.4	5,926
Fork of road.....	33 21 54.3	82 50 35.1	2,617
Do.....	33 23 04.8	82 52 03.7	10,340
Creek crossing.....	33 24 11.1	82 52 15.8	6,778
Road fork, 30 feet southeast of mail box.....	33 24 23.0	82 52 21.4	1,290
Fork of road, about 350 feet north of church.....	33 25 27.7	82 52 42.1	6,779
Powelson, northwest end of town, on Baptist Church grounds, 55 feet west of church tower; iron post stamped "Prim. Trav. Sta. No. 160, 1918 Mac."; azimuth to top of Veazy monument, 80 feet distant, 358° 45' 00"; azimuth to 1 ft edge of chimney on house 400 feet distant, 29° 49' 30".....	33 25 44.1	82 52 14.7	2,855
Millers Mill, center of Ogeechee River bridge.....	33 26 13.7	82 50 50.0	7,785
Road fork.....	33 26 44.0	82 50 22.0	3,886
Do.....	33 27 20.6	82 49 57.6	4,250
Road fork, at mail boxes.....	33 27 37.6	82 49 50.9	1,812
Crossroads.....	33 28 09.5	82 49 09.6	4,767
Bridge over creek crossing.....	33 28 25.9	82 48 59.2	1,890
Do.....	33 29 27.8	82 48 35.7	6,565

## West along highways near north border of quadrangle.

Powelson, Prim. Trav. Sta. No. 160, 1918 Mac.....	33 25 44.1	82 52 14.7	.....
County line between Taliaferro and Hancock counties, bridge over creek crossing.....	33 26 47.4	82 52 23.4	6,444
Fork of road, 47 feet N. 8° W. to concrete sign "Crawfordsville 6.5 miles," 28 feet west to concrete sign "Crawfordsville 7 miles".....	33 27 57.8	82 52 55.6	7,610
Crossroads, 20 feet north 22° east to sign "Crawfordsville 6.5 miles".....	33 28 10.4	82 53 10.3	1,782
Fork of road.....	33 27 56.2	82 53 52.6	3,861
Do.....	33 28 06.3	82 54 38.5	4,025
Fork of road, 30 feet N. 40° W. to concrete signpost.....	33 29 16.6	82 55 56.5	9,697
Fork of road, 20 feet N. 36° E. to concrete sign painted "White Plains 5 miles".....	33 29 24.7	82 57 15.2	6,717
T road north opposite concrete signpost marked "White Plains 4.5 miles".....	33 29 27.7	82 58 14.0	4,996
County line between Taliaferro and Greene counties, center of road at.....	33 29 23.7	82 59 09.6	4,724

Magnetic declination near south and east borders of quadrangle, 1° 10' E.; near north border of quadrangle, 1° 02' E.

## SPARTA QUADRANGLE—Continued.

West along Georgia R. R. near north border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Public-road crossing.....	33 28 49.6	82 45 15.3	.....
Do.....	33 28 52.7	82 45 50.2	2,970
Second-class road crossing.....	33 28 57.2	82 46 39.9	4,230
Milepost 56.....	33 29 05.4	82 47 34.8	4,721
Road crossing.....	33 29 38.5	82 48 03.3	4,133
Do.....	33 29 50.3	82 48 11.8	1,390

## SPREAD QUADRANGLE.

Along highways near north border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
White church, four corners at.....	33 14 49.9	82 27 03.2	.....
Gin, crossroads at.....	33 14 30.6	82 26 13.8	4,617
H. H. Jackson's house, 400 feet southeast of, 3 miles west of Wrens, on north side of road; iron post stamped "Prim. Trav. Sta. No. 22, 1918 H"; 2,352 feet northwest is nail in hub on north side of road, azimuth, 118° 39' 50'.....	33 13 58.6	82 25 04.0	6,762
Big white house on north side of road, T road north at.....	33 13 05.6	82 23 35.9	9,200

Along Augusta Southern R. R. near north border of quadrangle.

Wren, street crossing, just east of station.....	33 12 31.0	82 23 11.7	4,053
Road crossing, 20 feet northwest to crossing sign.....	33 12 37.2	82 21 36.2	8,133
Milepost 33, second-class road crossing 200 feet east of.....	33 12 37.7	82 20 46.8	4,200
Road crossing, 20 feet north to two mail boxes.....	33 12 38.3	82 19 38.2	5,830

Along highways near north border of quadrangle.

Matthews, road crossing west of station.....	33 12 38.8	82 18 32.2	5,600
Noah, road crossing at station.....	33 12 54.5	82 17 09.7	7,188
Road crossing, 20 feet northwest to crossing sign.....	33 13 05.5	82 16 22.0	4,201

Along Augusta Southern R. R. near north border of quadrangle.

Schoolhouse, on south side of railroad road crossing at.....	33 13 16.9	82 15 41.5	3,632
Road crossing under railroad.....	33 13 48.0	82 15 10.8	4,079

Along highways near west border of quadrangle.

Old store building, northwest corner of.....	33 05 15.7	82 29 27.1	.....
Clarks Mill, west edge of new mill race.....	33 04 41.4	82 28 15.9	6,977
T road northeast, 30 feet east to three mail boxes.....	33 04 11.9	82 27 18.2	5,750
Bridge, center of.....	33 03 01.8	82 26 16.1	8,842
House, road opposite, 20 feet west to W. H. Ratliff's mail box No. 72.....	33 01 58.6	82 24 55.8	9,353
Louisville, three corners, 1 mile northeast of.....	33 01 08.7	82 24 17.0	6,030

Along Augusta Southern R. R. near north border of quadrangle.

Louisville, in northeast part of, 20 feet southwest of corner of Peachtree and West Tenth streets; iron post stamped "Prim. Trav. Sta. No. 24, 1918 H"; 801 feet southwest to center of water plug, azimuth, 45° 47' 20'.....	33 00 23.8	82 24 18.0	4,545
Louisville, water plug at southwest corner of Peachtree and West Ninth streets.....	33 00 18.3	82 24 24.8	800

**SPREAD QUADRANGLE—Continued.**  
**Along highways near south border of quadrangle.**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Louisville, brick culvert 1 mile east of .....	33 00 15.6	82 23 02.6	7,006
T road south, 30 feet southeast to Goodrich signpost .....	33 00 30.1	82 21 51.9	6,197
Louisville, 4 miles east of, at corner where Rosier road leaves Dixie Highway, 10 feet east to Ramsey sign; iron post stamped "Prim. Trav. Sta. No. 25, 1918 H"; 1,120 feet southeast to nail in hub on north side of road, azimuth, 311° 42' 30" .....	33 00 44.0	82 20 44.3	5,923
Middle of wooden bridge .....	33 00 29.1	82 19 17.9	7,513
T road south, 300 feet northwest to house .....	33 00 04.0	82 18 18.4	5,067
Negro schoolhouse, T road south at .....	33 01 07.2	82 19 40.6	.....
T road south, 20 feet southeast to Goodrich sign .....	33 01 18.6	82 18 40.4	5,260
Second-class road south, 500 feet south to house .....	33 01 49.1	82 17 41.1	5,916
Burke-Jefferson county line, crossing of .....	33 02 14.9	82 17 16.6	3,348
Fork in road southeast toward Vidette .....	33 02 49.8	82 16 20.3	5,942
Milepost 15 miles from Waynesboro, road opposite .....	33 03 14.1	82 15 27.4	5,136
Louisville, east end of bridge over Rocky Comfort River, north-west of .....	33 00 16.4	82 25 15.3	.....

Magnetic declination for north border of quadrangle, 1° 16' E.; for west border of quadrangle, 1° 20' W.; for south border of quadrangle, 1° 13' E.

**Along highways. (By O. B. Walsh in 1918.)**

Prim. Trav. Sta. No. 224, 1918 (described previously) .....	33 13 58.6	82 25 01.0	.....
Wren, 4 miles west of, at southeast angle of road crossing at Hart's Grove Church; iron post stamped "Prim. Trav. Sta. No. 1, W 1918". Elev. 491 .....	33 14 49.59	82 27 03.06	11,352

**STILLMORE QUADRANGLE.**

**West along Central of Georgia Ry. near east border of quadrangle. (By Oscar Jones in 1918.)**

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Center of trestle No. 83.6 .....	32 23 37.7	82 00 28.3	.....
Road crossing, at water tank .....	32 23 38.0	82 00 41.9	1,169
Road crossing .....	32 23 42.4	82 01 44.3	5,370
Do .....	32 23 43.9	82 02 04.6	1,750
Do .....	32 23 47.9	82 03 01.1	4,860
Metter, station of Central of Georgia Ry., opposite semaphore, center of track .....	32 23 50.6	82 03 40.0	3,353

**South along highways near east border of quadrangle.**

Road fork .....	32 29 52.7	82 01 07.2	.....
Do .....	32 29 18.8	82 00 31.5	4,587
Crossroad .....	32 29 07.4	82 00 17.7	1,659
Crossroad (in Register quadrangle) .....	32 28 16.7	81 59 43.4	5,895
Do .....	32 27 57.1	81 59 53.9	2,160
Center of bridge .....	32 27 21.1	82 00 40.5	5,431
Road fork .....	32 26 48.7	82 01 22.0	4,838
Do .....	32 26 21.9	82 01 35.7	2,946
Do .....	32 26 00.1	82 01 27.8	2,297
Do .....	32 25 25.8	82 02 04.4	4,677
Center of bridge .....	32 24 54.2	82 02 31.8	3,964
Road fork .....	32 24 24.3	82 02 51.1	3,447
Do .....	32 23 59.3	82 03 21.3	3,619
Metter, station of Central of Georgia Ry., opposite semaphore, center of track .....	32 23 50.6	82 03 40.0	1,826
Metter, 15 feet north of track of Central of Georgia Ry., 100 feet west of station, 2 feet south of crossing sign; iron post stamped "Prim. Trav. Sta. No. 21, 1918J" .....	32 23 51.0	82 03 41.5	132
Crossroads .....	32 23 21.1	82 03 33.6	3,101
Road forks .....	32 22 59.4	82 03 35.1	2,188
Do .....	32 22 15.0	82 03 13.9	4,863
Center of road, opposite well on east side .....	32 21 22.4	82 03 02.7	5,402
Crossroads .....	32 20 57.3	82 03 11.2	2,645
Road forks .....	32 20 50.9	82 02 26.7	3,881
Do .....	32 20 32.0	82 01 35.2	4,817
Crossroads .....	32 20 23.9	82 00 08.4	7,504

Magnetic declination for east part of quadrangle, 0.6° E.

## STILLMORE QUADRANGLE—Continued.

Northwest along Wadley Southern Ry. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Stillmore, Prim. Trav. Sta. No. 130.....	32 26 29.62	82 13 22.97	.....
Crossing of Wadley Southern and Georgia & Florida railroads.....	32 26 52.6	82 13 12.1	2,508
Center of trestle at creek crossing.....	32 27 31.8	82 13 42.8	4,745
Private-road crossing.....	32 27 52.4	82 14 01.2	2,621
Road crossing, in line with road west.....	32 28 23.4	82 14 18.9	3,474
Public-road crossing.....	32 28 55.1	82 14 40.7	3,712

## Northeast along highways near north border of quadrangle.

Stillmore, Prim. Trav. Sta. No. 130, Mac.....	32 26 29.62	82 13 22.97	.....
Stillmore, 2,380 feet east of Georgia & Florida Ry. station, at street intersection.....	32 26 31.6	82 12 43.9	3,356
T road east.....	32 27 02.2	82 12 45.6	3,090
Small creek bridge.....	32 27 19.8	82 12 20.8	2,764
Forks of road, second-class road north.....	32 27 43.6	82 11 46.4	3,800
Forks of road, about 800 feet north of end of bridge over Canoochee River.....	32 28 15.6	82 11 23.0	3,812
Forks of road, second-class road south.....	32 28 31.2	82 10 39.5	4,051
Forks of road.....	32 28 49.8	82 10 15.5	2,784
T road corners, about 18 feet north of fence in front of house.....	32 29 35.2	82 09 27.9	6,136
Stillmore, 6 miles northeast of, at Beulah Church, about halfway between schoolhouse and church, 20 feet west of center of road; iron post stamped "Prim. Trav. Sta. No. 131, Mac. 1918".....	32 29 52.9	82 09 20.7	1,890
(See Garfield quadrangle for additional positions near border.)			

## East along highways near north border of quadrangle.

Forks of road, at angle of 17½° in main road.....	32 29 29.3	82 08 45.9	.....
Fork of road, Swainsboro-Metter road.....	32 29 11.3	82 08 01.9	4,190
Crossroads.....	32 29 18.9	82 06 47.9	6,391
Do.....	32 29 39.8	82 05 53.9	5,084
Center of crossing, Fifteen-mile Creek, near middle of long bridge.....	32 29 23.4	82 05 07.9	4,277
T road southerly.....	32 29 07.9	82 03 54.7	6,467
Angle of 25½° in road.....	32 29 28.8	82 03 34.6	2,724
T road west.....	32 29 46.3	82 03 03.1	3,230

Magnetic declination along north border of quadrangle, 0.8° E.

Along Georgia and Florida Ry. near northwest border of quadrangle. (By E. L. McNair in 1918.)

Road crossing at water tank.....	32 29 54.1	82 12 09.4	.....
Road crossing.....	32 29 25.4	82 12 26.5	3,250
Do.....	32 28 44.9	82 12 50.6	4,580
Do.....	32 28 18.7	82 12 55.3	2,671
Do.....	32 27 52.9	82 12 58.7	2,621
Stillmore, crossing of Georgia & Florida and Midland railroads.....	32 26 52.7	82 13 12.0	6,194
Stillmore station, 1,000 feet west of, 180 feet east of road crossing; iron post stamped "Prim. Trav. Sta. No. 130, 1918 Mac.".....	32 26 29.6	82 13 23.0	2,508
U. S. Coast Survey station Hon.....	32 26 27.27	82 13 16.33	.....

## Along Central of Georgia Ry. east through center of quadrangle.

U. S. Coast Survey station Cline.....	32 26 17.95	82 12 19.29	.....
Emanuel-Candler county-line crossing.....	32 25 59.8	82 11 16.9	5,653
Road crossing.....	32 25 42.2	82 10 16.9	5,441
Do.....	32 25 20.3	82 09 01.9	6,800
Canoe station, road crossing at.....	32 25 09.7	82 08 25.6	3,290
Road crossing.....	32 24 49.0	82 07 14.4	6,450
Do.....	32 24 41.0	82 06 47.3	2,464
Do.....	32 24 10.1	82 05 01.8	9,570
U. S. Coast Survey station "Metter".....	32 23 51.61	82 03 55.03	6,021



## STILLMORE QUADRANGLE—Continued.

West along highways near south border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork southwest to Collins.....	32 16 21.7	82 00 07.6	.....
Road fork.....	32 16 45.5	82 00 37.5	3,526
Crossroads.....	32 17 01.6	82 01 08.2	3,100
Road fork, Swainsboro and Cobbtown.....	32 17 30.9	82 02 06.8	5,845
Center of road, opposite well on north side of road.....	32 17 23.7	82 03 06.6	5,190
Crossroads.....	32 17 05.1	82 04 22.0	6,745
Do.....	32 16 54.5	82 05 10.5	4,280
Road fork.....	32 16 41.7	82 05 27.4	1,967
Center of small bridge.....	32 16 29.4	82 05 59.9	3,051
Road fork.....	32 16 35.2	82 06 41.8	3,650
Center of bridge.....	32 16 37.2	82 07 04.9	1,999
Road fork.....	32 16 56.0	82 07 50.1	4,324
Cobbtown, S. 38° W. 80 feet from southwest corner of Wadley Southern Ry.; iron post stamped "Prim. Trav. Sta. No. 32, J 1918".....	32 16 49.4	82 08 21.2	2,751
Crossing of Vidalia road and Wadley Southern Ry.....	32 17 09.2	82 08 26.3	2,057
Road fork.....	32 17 31.5	82 08 33.8	2,343
Crossroads.....	32 17 37.6	82 10 40.5	10,894
Center of bridge.....	32 17 34.0	82 11 09.4	2,508
T road south.....	32 17 21.2	82 12 00.1	4,546
Crossroads.....	32 17 16.7	82 12 53.5	4,613
Ohoopce River, east end of bridge over.....	32 17 05.7	82 13 42.1	4,314
Ohoopce River, 1.25 miles west of Coleman bridge over, 300 feet southwest of Cowan Church, in southeast corner of crossroads; iron post stamped "Prim. Trav. Sta. No. 37, J 1918.".....	32 16 33.2	82 14 56.1	7,164
Road fork at church.....	32 15 51.5	82 14 39.1	4,497

Magnetic declination along south border of quadrangle, 0° 45' E.

## SYLVANIA QUADRANGLE.

Northwest along Central of Georgia Ry. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 30 31.3	81 30 30.4	.....
Do.....	32 30 51.4	81 31 05.8	3,642
Effingham-Screven county line.....	32 31 01.1	81 31 26.8	2,050
Oliver, road crossing at.....	32 31 16.0	81 31 59.0	3,142
Road crossing.....	32 31 43.8	81 32 58.8	5,838
Do.....	32 31 52.8	81 33 19.3	1,978
Do.....	32 31 54.7	81 33 46.7	2,377
Do.....	32 31 59.2	81 34 29.6	3,680
Do.....	32 32 10.4	81 35 22.3	4,654
Halcyondale station, 100 feet west by 80 feet south of; iron post stamped "Prim. Trav. Sta. No. 5, 1918 J".....	32 32 18.3	81 35 54.7	2,892
Center of trestle 52.1.....	32 32 51.6	81 38 06.2	11,747
Road crossing at section house.....	32 33 13.0	81 39 31.9	7,650
Cameron, road crossing.....	32 33 26.9	81 40 27.4	4,950
Center of trestle 55.1.....	32 33 36.6	81 41 02.0	3,119
Center of trestle 55.6.....	32 33 48.7	81 41 28.7	2,588
Road crossing.....	32 34 12.6	81 42 10.3	4,310
Dover station, opposite semaphore, in center of track; nail.....	32 34 36.9	81 42 52.4	4,357

## Northeast along Central of Georgia Ry.

Road crossing.....	32 31 50.4	81 44 58.5	.....
Do.....	32 32 28.0	81 44 38.7	4,160
Do.....	32 32 42.9	81 44 22.7	2,042
Do.....	32 33 07.6	81 43 48.6	3,840
Donegal, road crossing, 100 feet south of station.....	32 33 29.7	81 43 34.7	2,524
Road crossing.....	32 33 54.0	81 43 26.4	2,558
South end of trestle over Ogeechee River.....	32 34 02.0	81 43 21.4	919
North end of trestle over Ogeechee River.....	32 34 31.1	81 43 01.2	3,412
Dover, 300 feet west of, 3 feet south of switch stand; iron post stamped "Prim. Trav. Sta. No. 6, 1918 J".....	32 34 38.6	81 45 55.7	883
Dover, opposite semaphore, in center of track; nail.....	32 34 36.9	81 42 52.4	331

## SYLVANIA QUADRANGLE—Continued.

West along highways near south border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road fork.....	32 31 17.2	81 30 14.0	.....
Do.....	32 31 18.6	81 31 18.1	5,489
Oliver, road crossing.....	32 31 16.0	81 31 59.0	3,509

Along highways near south border of quadrangle. (By Oscar Jones in 1918.)

Crossroads at schoolhouse.....	32 30 42.9	81 44 09.6	.....
Road forks.....	32 30 35.5	81 43 39.1	2,715
Do.....	32 30 53.5	81 43 25.1	2,182
Eureka, road crossing.....	32 31 03.5	81 42 57.0	2,609
Wooden bridge, center of.....	32 31 08.3	81 42 29.9	2,374
Road forks.....	32 31 27.5	81 41 59.1	3,278
Clito and River roads, crossroads.....	32 31 38.0	81 41 23.7	3,213
Buck Creek, center of wooden bridge over.....	32 31 26.8	81 40 08.5	6,706
Crossroads.....	32 31 00.8	81 39 34.6	3,794
Road fork.....	32 30 23.1	81 38 56.2	5,034

Along Savannah &amp; Atlanta Ry. (By E. L. McNair in 1918.)

Eureka Springs station, road crossing.....	32 36 33.5	81 30 45.9	.....
Road crossing.....	32 35 52.7	81 30 38.8	4,174
Newington station, 900 feet south of, 68 feet north from center of track; iron post stamped "Prim. Trav. Sta. No. 111, 1918 Mac.".....	32 35 14.4	81 30 06.1	4,776
Sylvania station, about 400 feet south of, 30 feet east of a public-road crossing; iron post stamped "Prim. Trav. Sta. No. 109, 1918 Mac.".....	32 44 49.4	81 38 24.0	3,460
Road crossing.....	32 43 54.5	81 38 02.2	5,856
Do.....	32 43 06.0	81 37 43.1	5,175
Do.....	32 42 47.9	81 37 30.0	2,147
Kitson station, road crossing 200 feet north of.....	32 41 58.9	81 36 38.7	6,610
Intersection of railroad tangent.....	32 41 40.9	81 36 19.9	2,430
Road crossing.....	32 41 32.8	81 35 54.5	2,330
Do.....	32 41 09.3	81 34 42.9	6,564
Do.....	32 40 47.3	81 34 18.1	3,068
Do.....	32 39 55.8	81 33 34.0	6,430
Hunters station, 190 feet south of public-road crossing, 25 feet west of track; iron post stamped "Prim. Trav. Sta. No. 110, 1918 Mac.".....	32 39 14.7	81 32 59.2	5,116
Road crossing.....	32 38 43.7	81 32 32.2	3,895
Sheppard station, road crossing south of.....	32 38 12.6	81 32 05.7	3,880
Road crossing.....	32 37 46.6	81 31 34.5	3,740
Do.....	32 37 01.3	81 30 56.2	5,637

Along highway near northeast corner of quadrangle.

Crossroads.....	32 43 46.6	81 30 11.5	.....
Road fork.....	32 44 27.1	81 30 55.6	5,560

Along Central of Georgia Ry. from Millen southeast. (By G. T. Hawkins in 1918.)

Milepost 60, railroad track opposite.....	32 36 14.8	81 44 57.4	.....
Milepost 59, private road crossing, gates north and south.....	32 35 40.9	81 44 20.9	4,630
Dover, road crossing 1 mile west of.....	32 35 06.8	81 43 42.5	4,787
Dover, opposite station, railroad track.....	32 34 36.9	81 42 52.4	5,250

Along highways through center of quadrangle. (By E. L. McNair in 1918.)

Road fork.....	32 44 20.1	81 44 01.2	.....
Do.....	32 43 50.0	81 44 31.9	4,015
Crossroads, 120 feet north of second-class crossroads.....	32 43 11.5	81 44 39.2	3,944
T road southwest.....	32 43 04.7	81 44 13.2	2,340
Creek crossing.....	32 42 54.6	81 43 33.2	3,566
Crossroads.....	32 42 44.4	81 42 55.1	3,418

## SYLVANIA QUADRANGLE—Continued.

Along highways through center of quadrangle. (By E. L. McNair in 1918.)—Continued.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Road fork.....	32 42 25.1	81 42 16.8	3,809
Pine tree at corner of barnyard fence; nail in root.....	32 41 18.1	81 41 49.4	7,164
Road fork.....	32 40 36.7	81 41 33.0	4,423
Creek crossing.....	32 39 41.2	81 41 21.0	5,704
Dover, 5 miles north of, at Double Head Church, 90 feet south and 30 feet east of crossroads; iron post stamped "Prim. Trav. Sta. No. 120, 1918 Mac.".....	32 38 52.8	81 41 25.3	4,892
Crossroads.....	32 38 44.7	81 40 25.9	5,151
Road fork.....	32 37 52.7	81 38 47.3	9,931
Crossroad.....	32 37 30.7	81 38 06.4	4,144
Road fork.....	32 37 20.4	81 36 48.9	6,711
Capitola, road fork at.....	32 37 36.9	81 35 52.9	5,076
Ogeechee Creek crossing.....	32 37 49.9	81 35 49.5	1,349

## East along highways near north border of quadrangle.

Road fork.....	32 44 56.3	81 36 03.7	7,594
T road southwest.....	32 44 47.7	81 33 52.5	4,493
Road fork.....	32 44 58.7	81 32 36.5	6,572
Crossroad at sawmill.....	32 44 58.0	81 31 52.4	3,770

## Along highway through center of quadrangle.

Road fork, sawmill.....	32 39 07.7	81 35 28.9	.....
T road corner near schoolhouse.....	32 39 34.5	81 35 08.0	3,247
Road fork.....	32 39 17.2	81 34 07.9	5,430
Crossroads.....	32 39 22.8	81 33 44.3	2,100

Magnetic declination for north border and through center of quadrangle, 0° 30' E

## TIFTON QUADRANGLE.

Northwest along Georgia Southern &amp; Florida Ry. near east border of quadrangle to Tifton. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Public-road crossing.....	31 26 11.1	83 30 20.1	.....
Tifton, 0.6 mile south of, at intersection of Atlanta, Birmingham & Atlantic and Georgia Southern & Florida railroads.....	31 26 44.4	83 30 32.7	3,530
Tifton, just west of intersection of Atlantic Coast Line and Georgia Southern & Florida railroads, 62 feet north of Atlantic Coast Line R. R., in top of concrete post flush with surface of ground; bronze tablet stamped "Tifton A 1917".....	31 27 14.28	83 30 44.64	3,193

## TOWNS QUADRANGLE.

Near east border of quadrangle. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	<i>Feet.</i>
Windlass, at north ferry landing.....	31 52 11.2	82 45 08.0	.....
Lumber City, 6 miles southwest of, 20 feet northwest of Burkett ferry sign; crossroads.....	31 53 06.0	82 45 45.5	6,404
Road fork to north.....	31 53 25.4	82 45 00.5	4,349

## TRAVISVILLE QUADRANGLE.

From east border of quadrangle, near center, southwest along Atlantic Coast Line R. R. to west border. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost 107.....	31 07 37.5	82 30 25.9	.....
Glenmore, 60 feet southwest of station, road crossing.....	31 07 09.9	82 31 38.8	6,925
Milepost "Sav. 110".....	31 06 34.3	82 33 12.8	8,920
Road crossing (public).....	31 06 16.7	82 33 59.1	4,405
Manor, 150 feet west of station, 50 feet northwest of center of track, in line of roadway northwest; iron post stamped "Prim. Trav. Sta. No. 40, 1917, Mac."; azimuth of long tangent in railway track, 66° 12'.....	31 06 06.8	82 34 26.7	2,603
Public-road crossing.....	31 05 50.7	82 35 07.9	3,929
Public-road crossing, 1,420 feet northeast of milepost 113.....	31 05 36.7	82 35 44.7	3,500
Ware-Clinch county-line crossing.....	31 04 58.8	82 37 24.3	9,465
Public-road crossing, 1,295 feet southwest of milepost S 115.....	31 04 43.6	82 38 04.4	3,815
Argyle, 450 feet northeast of station, road crossing.....	31 04 24.4	82 38 54.6	4,775
Milepost 117.....	31 04 06.4	82 39 41.8	4,490
Private-road crossing, 80 feet northeast of milepost Sav. 118.....	31 03 45.6	82 40 36.5	5,205
Travisville, private-road crossing at spur.....	31 03 34.5	82 41 05.7	2,770
Road crossing, 25 feet southwest of milepost 120.....	31 03 02.8	82 42 28.7	7,905
Private-road crossing.....	31 02 56.3	82 42 45.6	1,605
Private-road crossing, 2,300 feet northeast of milepost Sav. 122.....	31 02 29.7	82 43 55.4	6,640
Homerville, in courthouse grounds, 35 feet south of brick building, just outside of iron fence and 12 feet southwest of gate; iron post stamped "Prim. Trav. Sta. No. 41, 1917 Mac."; azimuth of long tangent, 66° 01'.....	31 02 12.0	82 44 54.8	5,463

## VALDOSTA QUADRANGLE.

From east border of quadrangle southwest along Atlantic Coast Line R. R. to Valdosta, thence northwest along Georgia Southern & Florida Ry. to north border of quadrangle. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	30 50 03.0	83 16 02.7	.....
Valdosta, just west of station, at Patterson Street crossing.....	30 49 47.3	83 16 42.8	3,838
Valdosta triangulation station of the U. S. Coast and Geodetic Survey, on Atlantic Coast Line R. R. right of way, at Valdosta railroad station, 5.5 meters south from main track, 16.58 meters south of southeast corner of passenger station, 13 meters west from middle of Ashley Street. Reference mark: Northeast corner of brick building owned by Armour & Co., distant 17.64 meters. Reference mark: Distance 60.73 meters, standard disk 30 centimeters from south edge of concrete depot platform, 12 meters east from middle of Patterson Street, 10.28 meters south from southwest corner of passenger station.....	30 49 48.09	83 16 40.25	238
Valdosta, 0.6 mile west of station, 51 feet east of intersection of Atlantic Coast Line and Georgia Southern & Florida railroads; iron post stamped "Prim. Trav. Sta. No. 45, 1917 Mac."; azimuth to top of large water tank, about 0.5 mile distant, 307° 34' 30".....	30 49 33.8	83 17 16.7	3,252
Road crossing near north end of siding.....	30 49 48.4	83 17 37.6	2,344
Road crossing.....	30 50 31.3	83 18 37.0	6,755
Private-road crossing.....	30 51 16.8	83 18 57.2	4,919
Withlacoochee River, north end of pile trestle.....	30 51 51.5	83 19 22.0	4,119
Intersection of tangents.....	30 52 39.2	83 20 03.4	6,020
Road crossing at spur track.....	30 53 16.9	83 20 16.5	3,974
Mineola, crossing of lumber company's road, 830 feet southeast of station.....	30 54 13.6	83 20 36.2	5,980
Mineola, 50 feet northwest of point opposite station, road crossing.....	30 54 22.1	83 20 39.2	900
Road crossing.....	30 55 03.7	83 20 53.6	4,385
Road crossing, 365 feet northwest of milepost 143.....	30 55 26.6	83 21 01.6	2,420
Road crossing.....	30 56 05.4	83 21 15.1	4,095
Do.....	30 57 11.3	83 21 38.1	6,950
Do.....	30 58 03.0	83 21 56.2	5,450
Road crossing, 175 feet southeast of point opposite milepost 139.....	30 58 42.0	83 22 09.8	4,115
Hahira, road crossing at city-limit sign.....	30 59 02.3	83 22 16.9	2,140
Hahira, crossing of street, just south of station.....	30 59 27.5	83 22 25.7	2,605
Hahira, 950 feet northwest of point opposite station, 60 feet northeast of center of main track, 120 feet northwest of street crossing tracks, 25 feet north of telephone pole; iron post stamped "Prim. Trav. Sta. No. 46, Mac. 1917"; azimuth of long tangent, 163° 14' 00"; azimuth to Methodist Church, 268° 13' 00"; to Baptist Church, 323° 25' 15"; to center of top of steel water tank, 335° 36' 00".....	30 59 37.6	83 22 28.6	1,046

## VIDALIA QUADRANGLE.

North near east border of quadrangle. (By Oscar Jones in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road east.....	32 04 38.4	82 15 04.0	.....
Driggins crossroads.....	32 04 55.8	82 15 06.4	1,772
Crossroads 300 feet west of schoolhouse.....	32 05 37.7	82 15 28.8	4,645

## WADLEY QUADRANGLE.

Along highways near north border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
New bridge over stream course south, east end of.....	32 59 55.9	82 17 29.2	.....
Jefferson-Burke county line, crossing of.....	32 59 28.0	82 16 47.3	4,546
T road southwest, 20 feet south to L. G. Mosley's mail box.....	32 59 01.2	82 15 47.0	5,815

Along highways near west border of quadrangle.

Louisville, T road west, 1.5 miles southwest of.....	32 59 54.5	82 25 46.9	.....
Three corners, 50 feet southwest to mail box 30.....	32 58 50.8	82 26 41.6	7,954
Small brick bridge.....	32 57 33.8	82 27 48.1	9,630
T road west at house on east side of road.....	32 56 16.5	82 28 08.3	7,994
Crossroads at north edge of woods.....	32 55 31.8	82 28 20.1	4,635
Brick culvert, 150 feet south to sign "Bartow 2 miles".....	32 54 25.4	82 28 24.5	6,716
Bartow, 1 mile north of, forks of road.....	32 53 31.2	82 28 20.4	5,494
Bartow, 350 feet south of station, on west side of railroad, 3 feet north of crossing sign; iron post stamped "Prim. Trav. Sta. No. 27, 1918 H"; 710 feet south is nail in hub on west side of road, azimuth, 12° 08' 50"; 591 feet southeast is point on south rail of railroad, azimuth, 323° 14' 30".....	32 52 42.4	32 28 28.5	4,977

Along Central of Georgia Ry. near center of quadrangle.

Milepost 110, railroad track opposite.....	32 52 11.2	82 27 35.5	5,509
Milepost 109, railroad track opposite.....	32 51 52.9	82 26 37.11	5,310
Road crossing, 20 feet northeast to crossing sign.....	32 51 42.4	82 25 53.1	3,900
Wadley, 30 feet south of main line, 100 feet east of station; iron post stamped "Prim. Trav. Sta. No. 31, 1918 H"; 300 feet east is point on south rail of main line; azimuth, 261° 54' 20"; 290 feet west is point on south rail of main line, azimuth, 96° 28' 30".....	32 51 42.6	82 24 15.6	8,316
Milepost 106, railroad track opposite.....	32 51 43.6	82 23 32.9	3,638
House on north side of railroad, road crossing at.....	32 51 44.7	82 22 08.9	7,161
Milepost 104, road crossing 100 feet east of.....	32 51 45.3	82 21 27.3	3,550
Milepost 103, railroad track opposite.....	32 51 44.8	82 20 26.7	5,163
Road crossing, plank bridge approach north and south.....	32 51 31.6	82 19 50.4	3,399
Ogeechee River, sign on bridge, railroad track opposite.....	32 51 13.3	82 19 07.7	4,080
Jefferson-Burke county line, railroad track on.....	32 50 59.8	82 18 36.4	3,000
Road crossing at station.....	32 50 41.3	82 17 53.1	4,141
Brick retaining wall on south side of railroad, road crossing at.....	32 50 17.2	82 16 57.0	5,360
Midville, second-class road crossing 1 mile west of.....	32 49 23.2	82 15 05.7	10,955

Along highways near west border of quadrangle.

South Bartow, three corners at, 100 feet southwest to shop.....	32 52 07.4	82 28 42.1	.....
South Bartow, 5 miles south of, three corners.....	32 51 40.2	82 28 49.5	2,720
Crossroads.....	32 50 51.2	82 28 50.9	4,992
T road east, 350 feet north to house on east side of road.....	32 49 47.6	82 28 46.9	6,438
Crossroads, 5 mail boxes at northwest corner.....	32 48 28.0	82 29 00.2	8,114
Crossroads, 70 feet southeast to three mail boxes.....	32 47 40.6	82 29 00.1	4,794
Forks of road, 30 feet south to three mail boxes.....	32 46 41.4	82 28 52.1	6,022
T road east, 20 feet west to two mail boxes.....	32 45 40.4	82 28 48.7	6,170
Wiggin's crossing, 40 feet southeast of intersection; iron post stamped "Prim. Trav. Sta. No. 28, 1918 H"; 1,200 feet east is nail in hub on north side of road, azimuth, 278° 56' 00".....	32 45 03.0	82 28 55.4	3,826

## WADLEY QUADRANGLE—Continued.

Along highways near south border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Three corners, 200 feet east to house.....	32 45 42.3	82 18 29.5	.....
Second-class road to south west, 400 feet southeast to house.....	32 45 13.9	82 17 29.3	5,887
Crossroads, 300 feet west to church.....	32 45 05.8	82 15 45.6	.....
Railroad crossing.....	32 46 08.9	82 15 04.9	7,264

Magnetic declination for north edge of quadrangle,  $1^{\circ} 13'$  E.; for west edge of quadrangle,  $1^{\circ} 18'$  E.; for south edge of quadrangle,  $0^{\circ} 50'$  E.; for east edge of quadrangle,  $0^{\circ} 52'$  E.

West from Bartow along highways. (By E. L. McNair in 1918.)

Bartow, Hawkins's Prim. Trav. Sta. No. 27.....	32 52 42.4	82 28 28.5	.....
Road forks.....	32 52 27.0	82 28 36.8	1,711

Magnetic declination for west part of quadrangle,  $1^{\circ} 18'$  E.

Along highways near southwest corner of quadrangle.

T road south.....	32 45 14.3	82 29 44.3	.....
Iron post No. 28, 1918 (Hawkins) at Wiggins crossroads; also station No. 2950, book 10, page 1.....	32 45 03.0	82 28 55.4	4,339

Along Central of Georgia Ry.

Bartow, post No. 27, H 1918.....	32 52 42.4	82 28 28.5	.....
Milepost A182.....	32 53 23.4	82 28 59.3	4,910
Second-class road crossing.....	32 54 05.2	82 29 40.8	5,519

Magnetic declination for southwest part of quadrangle,  $1^{\circ} 08'$  E.

## WARRENTON QUADRANGLE.

Along highways near east border of quadrangle. (By G. T. Hawkins in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Thomson railroad station, track opposite semaphore.....	33 27 56.9	82 30 07.4	.....
Hobbs Mill, 3 miles southwest of three corners, 70 feet northwest to house.....	33 20 50.8	82 30 25.8	.....
White house, road opposite entrance.....	33 20 33.0	82 30 56.4	3,167
T road northwest in front of house, 60 feet northwest to mail box 27..	33 20 10.9	82 32 13.1	6,880
Crossroads 50 feet north to old two story house.....	33 19 38.2	82 33 36.8	7,828
Railroad station, railroad crossing 800 feet east of.....	33 19 01.2	82 33 30.6	3,778
Schoolhouse, on east side of road, road opposite.....	33 18 24.9	82 33 47.2	3,927
David McGaff's cabin, road opposite.....	33 16 46.8	82 33 35.8	10,082
Gibson, 3 miles northeast of, near crossroads, 400 feet southeast of Bill Willford's house, 20 feet northwest to crossroads; iron post stamped "Prim. Trav. Sta. No. 21, 1918 H"; 385 feet north to nail in hub on westside of road, azimuth, $184^{\circ} 22' 50''$ .....	33 15 54.4	82 33 20.9	5,301
Sawmill, center of bridge at.....	33 15 24.5	82 32 47.3	4,158

Magnetic declination for east border of quadrangle,  $1^{\circ} 20'$  E.

## WARRENTON QUADRANGLE—Continued.

Southeast along railroad from Belle Springs. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' 9 "	° ' "	Feet.
Belle Springs station, about 900 feet southwest of, road crossing.....	33 15 34.14	82 39 33.8	.....
Intersection of railroad tangents, angle 18° 50' .....	33 15 31.0	82 39 02.6	2,667
Intersection of railroad tangents, angle 4° .....	33 15 11.9	82 38 33.6	3,121

## West along Georgia R. R. near north border of quadrangle.

Thomson station, 150 feet west of, street crossing.....	33 27 56.3	82 30 09.4	.....
Public-road crossing.....	33 27 28.8	82 31 41.4	8,270
Do.....	33 27 05.7	82 32 58.7	6,950
Do.....	33 26 58.8	82 33 21.7	2,070
Do.....	33 26 52.1	82 34 18.4	4,845
Mesena, road crossing.....	33 27 34.8	82 35 25.9	7,169
Third-class road crossing.....	33 27 44.8	82 36 12.3	4,060
Second-class road crossing.....	33 27 52.8	82 37 00.7	4,174
Road crossing.....	33 28 05.3	82 37 52.6	4,575
Do.....	33 27 48.2	82 38 04.2	1,207
Do.....	33 27 22.5	82 38 34.4	4,425
Camak station, about 350 feet northeast of, 40 feet northeast of water tank, on bank 7 feet above track, about 67 feet southeast of center of track, in line of tangent extending N. 26° E.; iron post stamped "Prim. Trav. Sta. No. 153, 1918 Mac."; azimuth to Methodist Episcopal Church spire, 233° 59' .....	33 27 11.8	82 38 43.4	1,318
Public-road crossing.....	33 26 59.4	82 39 32.5	4,343
Do.....	33 27 05.4	82 39 49.6	1,560
Farm-road crossing.....	33 27 13.2	82 40 37.1	4,103
Public-road crossing.....	33 27 25.6	82 41 48.5	6,180
Norwood, 75 feet north of, road crossing.....	33 27 44.2	82 42 21.3	3,350
Farm-road crossing.....	33 28 06.1	82 43 00.1	3,960
Public-road crossing.....	33 28 30.0	82 43 42.3	4,315
Do.....	33 28 42.1	82 44 07.9	2,488
Road crossing.....	33 28 47.8	82 44 55.2	4,042

## South along Georgia R. R. and highways near center of quadrangle.

Camak, Prim. Trav. Sta. No. 153 (previously described).....	33 27 11.8	82 38 43.4	.....
Public-road crossing.....	33 26 44.0	82 39 04.8	3,351
Intersection of tangents, angle of 8° .....	33 26 28.2	82 38 57.7	1,710
Second-class road crossing.....	33 25 46.6	82 38 46.5	4,300
Public-road crossing.....	33 25 09.0	82 38 53.5	3,856
Road crossing.....	33 24 49.3	82 39 21.2	3,070
Warrenton station, 70 feet N. 60° W. from, 2 feet south of metal crossing-sign post, 35 feet north of center of main track; iron post stamped "Prim. Trav. Sta. No. 154, 1918 Mac."; azimuth to right hand edge of chimney on house seen just by corner of station, 311° 27' 50"; azimuth to right hand edge of west chimney, 14° 10' 50' .....	33 24 34.8	82 39 47.0	2,636
Fork of road.....	33 23 44.5	82 39 38.8	5,132
Creek crossing.....	33 23 28.2	82 39 30.2	1,792
Road fork.....	33 22 47.1	82 39 15.3	4,349
Second-class road east.....	33 22 18.1	82 39 07.5	3,000
Creek crossing.....	33 21 49.9	82 39 00.3	2,924
Fork of road, N. 72° E., 100 feet from road southwest.....	33 21 19.8	82 38 28.7	4,056
Road fork at church.....	33 20 40.2	82 38 00.4	4,658
Warrenton, 5.5 miles south of, 3,500 feet south of church, at fork of road, nearly in line with road south, 15 feet southwest of road southeast; iron post stamped "Prim. Trav. Sta. No. 155, Mac. 1918"; azimuth to west edge of brick chimney on house 1,000 feet distant, 136° 15' 40' .....	33 20 10.9	82 37 37.7	3,536
Fork of road.....	33 19 28.8	82 38 05.3	4,856
Rocky Comfort Creek, main channel near east end of bridge.....	33 18 28.6	82 37 33.4	6,063
Angle in road, directly in front of house.....	33 18 08.9	82 38 25.6	4,856
Crossroads.....	33 17 15.2	82 39 45.6	8,562
Fork of road.....	33 16 43.4	82 39 18.6	3,857
Belle Springs station, 900 feet southwest of, road crossing.....	33 15 34.1	82 39 33.8	7,116
Center of track of Georgia R. R., opposite milepost 55.....	33 15 20.8	82 39 45.5	1,079

Magnetic declination near middle of quadrangle, 1° 10' E.; along north border of quadrangle, 1° 08' E.

## WARRENTON QUADRANGLE—Continued.

From Warrenton along Georgia R. R.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Warrenton station; iron post stamped "Prim. Trav. Sta. No. 154, 1918" (previously described).....	33 24 34.8	82 39 47.0	.....
Second-class road crossing under railroad.....	33 24 24.3	82 40 08.0	2,074
Second-class road crossing.....	33 23 57.7	82 41 03.6	5,435
Road crossing.....	33 23 18.5	82 42 25.7	8,010
Public-road crossing.....	33 22 55.5	82 43 13.8	4,700
Second-class road crossing.....	33 22 05.3	82 44 09.8	6,956
Road crossing.....	33 21 56.5	82 44 51.1	3,619
Small creek crossing, bridge over.....	33 17 04.1	82 44 54.6	.....
Public crossroads.....	33 17 36.1	82 44 40.5	3,441
Fork of road, 25 feet west of oak tree.....	33 15 25.6	82 44 30.3	.....
Angle in road, 47° 40', center line both ways.....	33 15 10.2	82 44 18.9	1,843

(By G. T. Hawkins in 1918.)

Thomson, 1 mile north of, road forks.....	33 28 53.3	82 30 15.9	.....
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## WAYCROSS QUADRANGLE.

Southwest and northwest along Atlanta, Birmingham &amp; Atlantic Ry. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
South end of trestle at pump house.....	31 14 14.5	82 19 24.8	.....
Road crossing.....	31 13 39.3	82 20 09.1	5,230
Do.....	31 12 56.1	82 21 03.5	6,430
Waycross, 1,900 feet northeast of station, on Atlantic Coast Line R. R., in city of Waycross, 85.82 feet south of south rail of Plant Avenue street car track, 138 feet west from middle of Albany Avenue, 20.8 feet north of north rail of main track leading to Savannah, 122.3 feet south from south corner of Florence Hotel. Station mark: Tablet set in top of concrete post (Plant traverse station by U. S. C. & G. S., azimuth to center pole with balloon top on tower of Union Station, 47° 45' 30").....	31 12 46.25	82 21 16.25	1,476
Waycross, road crossing at junction of Atlanta, Birmingham & Atlantic and Atlantic Coast Line railroads.....	31 12 53.1	82 21 39.8	2,161
Road crossing.....	31 14 08.4	82 22 12.5	8,119
Do.....	31 14 41.1	82 22 24.8	3,470
Waycross, 6 miles east of, 1,230 feet west of road crossing at turpentine still, 85 feet north of railroad track, 25 feet north of wagon road, 60 feet south of a schoolhouse for negroes; iron post stamped "Prim. Trav. Sta. No. 38, 1917 Mac".....	31 11 06.0	82 15 30.8	.....
Private-road crossing.....	31 11 19.0	82 16 18.4	4,330
Road crossing.....	31 11 41.1	82 17 33.7	6,905
Do.....	31 11 48.9	82 18 00.3	2,440
Do.....	31 12 24.0	82 20 00.1	10,985
Waycross, street crossing.....	31 12 38.9	82 20 51.2	4,680
Waycross, 1,900 feet northeast of station, "Plant" U. S. C. & G. S. traverse station: azimuth to center pole with balloon top on tower of Union Station, 47° 45' 30".....	31 12 46.25	82 21 16.25	2,291

From Waycross southwest along Atlantic Coast Line R. R. to west border of quadrangle. (By E. L. McNair in 1917.)

Waycross, about 1,900 feet northeast of, Plant traverse station of U. S. Coast and Geodetic Survey (previously described).....	31 12 46.25	82 21 16.25	.....
Milepost 98.....	31 11 37.2	82 22 42.7	10,249
Road crossing, near switch stand at southwest end of long siding, 1,055 feet northeast of milepost 99.....	31 11 08.9	82 23 18.4	4,220
Intersection of Atlantic Coast Line R. R. with lumber railroad to Okfenokee Swamp.....	31 10 27.1	82 24 11.0	6,220
Road crossing, 1,540 feet northeast of milepost 101.....	31 10 01.2	82 24 43.6	3,860
Road crossing, 880 feet northeast of milepost 102.....	31 09 26.1	82 25 38.1	5,913
Road crossing, 1,910 feet northeast of another road crossing.....	31 09 13.5	82 26 11.6	3,170
Ruskin, 900 feet southwest of station, 30 feet northwest of center of track, 8 feet northeast of milepost S 103; iron post stamped "Prim. Trav. Sta. No. 39, Mac. 1917"; azimuth to semaphore post at station just below arms, 247° 31' 15".....	31 09 01.9	82 26 43.3	2,994
Milepost 104.....	31 08 40.7	82 27 38.5	5,254
Road crossing near switch stand of turnout.....	31 08 05.4	82 29 12.0	8,875



## WILCOX QUADRANGLE.

Northwest along Atlanta, Birmingham &amp; Atlantic Ry. (By Oscar Jones in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	31 30 01.2	82 33 43.7	.....
Do.....	31 30 15.8	82 34 01.2	2,115
Sessoms, junction point.....	31 30 56.3	82 35 04.1	6,807
Sessoms, 3 feet east of southeast corner of freight house, 30 feet north of track; iron post stamped "Prim. Trav. Sta. No. 17"; azimuth of station 129 to post, 180° 45' 30".....	31 30 56.6	82 35 04.0	30

West along northern branch of Atlanta, Birmingham &amp; Atlantic Ry.

Road crossing.....	31 32 50.1	82 30 08.0	.....
Do.....	31 32 49.4	82 30 22.1	1,220
West end of trestle.....	31 32 46.9	82 31 07.5	3,930
Road crossing.....	31 32 45.5	82 31 32.4	2,161
Guysie, road crossing at.....	31 32 39.3	82 31 52.9	1,879
East end of trestle.....	31 32 13.4	82 32 39.4	4,800
Road crossing at old sawmill.....	31 31 53.9	82 33 14.3	3,600
Road crossing.....	31 31 37.2	82 33 44.3	3,100
Do.....	31 31 05.3	82 34 41.5	5,900
Sessoms, junction point.....	31 30 56.3	82 35 04.1	2,157

From Sessoms west along Atlanta, Birmingham &amp; Atlantic Ry. near south border of quadrangle. (By Oscar Jones in 1917.)

Sessoms, Prim. Trav. Sta. No. 17 (previously described).....	31 30 56.3	82 35 04.0	.....
Bacon-Coffee county line, crossing of.....	31 30 54.2	82 35 48.6	3,860
Road crossing.....	31 30 53.4	82 36 07.6	1,640
Do.....	31 30 52.0	82 36 37.6	2,600
Nicholls, road crossing.....	31 30 53.7	82 36 05.2	7,579
East end of trestle.....	31 30 55.6	82 38 46.6	3,590
Road crossing.....	31 30 56.5	82 39 04.7	1,560
Do.....	31 30 56.0	82 40 10.5	5,696
Do.....	31 30 50.4	82 41 15.0	5,610
Road crossing at school.....	31 30 46.4	82 42 00.1	3,920
Road crossing.....	31 30 41.0	82 43 01.2	5,310
Do.....	31 30 38.5	82 43 29.6	2,470
Chatterton, north side of track, 2 feet east of milepost 90; iron post stamped "Prim. Trav. Sta. No. 20, J 1917".....	31 30 35.4	82 44 05.7	3,141
Switch.....	31 30 19.4	82 44 42.6	3,578

From west border of quadrangle northeast along Georgia Southern &amp; Florida Ry. to north border of quadrangle.

Road crossing.....	31 35 48.1	82 44 50.6	.....
Do.....	31 36 17.5	82 44 09.3	4,648
West Green, 65 feet west of northwest corner of station; iron post stamped "Prim. Trav. Sta. No. 22, J 1917".....	31 36 48.8	82 43 52.3	3,493
Road crossing at sawmill, 100 feet south of switch.....	31 37 15.0	82 43 50.7	2,648
Road crossing.....	31 37 58.9	82 43 49.2	4,440
Do.....	31 38 44.4	82 43 46.5	4,603
Do.....	31 39 21.1	82 43 20.7	4,339
Lehigh, at road crossing.....	31 39 53.2	82 42 56.8	3,840
Crossing of Coffee-Jeff Davis county line.....	31 40 17.5	82 42 38.6	2,920
Road crossing at water tank.....	31 40 38.3	82 42 25.8	2,377
Road crossing.....	31 41 11.2	82 42 21.7	3,340
Do.....	31 42 04.3	82 42 15.1	5,400
Do.....	31 42 51.0	82 42 05.9	4,775
Denton, 100 feet north of station, road crossing.....	31 43 13.7	82 41 52.1	2,599
End of trestle.....	31 43 58.0	82 41 24.6	5,070
Road crossing.....	31 44 33.4	82 41 10.5	3,784

## WINOKUR QUADRANGLE.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Milepost "Port Tampa 302", opposite.....	31 00 46.1	82 01 36.2	.....
Winokur, switch stand at south end of siding.....	31 01 49.5	82 01 22.3	6,525
Winokur station, 325 feet north of, opposite switch stand at north end of siding, 80 feet west of center of track, 3.5 feet east of garden fence; iron post stamped "Prim. Trav. Sta. No. 6, 1917 Mac"; azimuth to switchstand, 4° 31' 45".....	31 02 21.3	82 01 16.3	3,246
Road crossing, center of track at.....	31 02 57.1	82 01 07.6	3,702
Do.....	31 03 36.8	82 00 59.0	4,075
Public-road crossing, center of track at.....	31 04 28.9	82 00 47.6	5,355
Milepost "Savannah 94", 935 feet south of, road crossing.....	31 05 12.0	82 00 38.2	4,435
Bachlatt spur, 40 feet south of switch stand, road crossing.....	31 05 36.8	82 00 32.8	2,545
Milepost "Savannah 92", 675 feet south of, public-road crossing, center of tracks.....	31 06 52.2	82 00 16.4	7,750
Public-road crossing, center of track at.....	31 07 24.1	82 00 09.5	3,275
Shea siding, switch stand at north end of.....	31 08 00.4	82 00 01.6	3,736

Magnetic declination for line, 0° 51' E.

Along Atlantic Coast Line R. R. (By E. L. McNair in 1917.)

Road crossing.....	31 12 00.9	82 00 35.3	.....
Do.....	31 11 54.5	82 01 19.4	3,890
Public-road crossing.....	31 11 43.7	82 02 32.8	6,466
Milepost 40.....	31 11 39.7	82 03 00.3	2,425
Road crossing.....	31 11 32.3	82 03 51.1	4,475
Milepost 42.....	31 11 22.1	82 05 00.4	6,105
Milepost 43.....	31 11 13.4	82 06 00.2	5,270
Private-road crossing.....	31 11 06.1	82 06 49.3	4,330
Hoboken station, 300 feet east of, 50 feet north of center of track, in line with road north; iron post stamped "Prim. Trav. Sta. No. 37, 1917 Mac"; azimuth to church steeple, 345° 30' 30".....	31 10 56.4	82 07 51.8	5,514
Hoboken, 50 feet west of road crossing, in center of main track; nail in tie.....	31 10 56.3	82 07 56.2	378

## Along highways near center of quadrangle.

Second-class road southeast at corner of field.....	31 09 17.5	82 07 55.2	9,985
T road east.....	31 08 12.6	82 07 54.5	6,560
Angle in road.....	31 07 40.5	82 07 53.8	3,240
Angle in road, at north end of lane.....	31 06 38.9	82 08 29.6	6,959
Intersection of north and south road with a new graded road but little used, going N. 48° 30' E.....	31 06 17.8	82 08 41.1	2,354
Crossroads.....	31 05 43.0	82 08 35.8	3,547
Second-class crossroad.....	31 04 59.8	82 08 23.5	4,498
Near bend in road; 35 feet west of road, 2 feet west of pine tree blazed and marked "U. S." in red; two wire nails in root.....	31 03 48.7	82 07 42.0	8,044
Fork in road.....	31 02 28.0	82 07 16.9	8,436
Fork in road, 15 feet northeast to rail fence at southwest corner of field.....	31 01 25.6	82 07 26.9	6,366
Crossroads, road north and south.....	31 00 25.2	82 07 15.3	6,190

## Along highways near south border of quadrangle.

Lone cypress tree, 50 feet south of roadway, blazed and marked "U. S." in red; two wire nails in root.....	31 00 59.2	82 06 28.4	5,341
Gateway in north and south fence through which road passes, center of.....	31 01 49.2	82 04 21.8	12,106
Fork in road.....	31 02 19.2	82 02 47.5	8,739
Second-class crossroads.....	31 02 27.5	82 02 22.9	2,294
Bridge over large drainage ditch.....	31 02 20.4	82 01 44.0	3,440
Winokur, "Prim. Trav. Sta. No. 6, 1917 Mac" (previously described).....	31 02 21.3	82 01 16.3	2,396

## Spur line to U. S. Coast and Geodetic Survey traverse station Race Pond.

Race Pond railroad station, center of track of Atlantic Coast Line R. R. at road crossing.....	31 00 09.4	82 07 49.9	.....
Race Pond station, 1,500 feet north of, at intersection of railroad tangents, in ditch on east side of track, in top of concrete block; tablet marked C. & G. S. station Race Pond.....	31 00 23.48	82 07 55.30	1,499

Magnetic declination for south border of quadrangle, 1° 09' E.; north and south near center of quadrangle, 1° 03' E.

## WINOKUR QUADRANGLE—Continued.

Along Atlantic Coast Line R. R. from Hoboken west. (By E. L. McNair in 1917.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Station 1319—station 1272.....	31 10 56.3	82 07 56.2	.....
Road crossing.....	31 10 50.5	82 08 35.7	3,480
Do.....	31 10 47.4	82 08 57.2	1,885
Do.....	31 10 38.6	82 09 56.7	5,240
Do.....	31 10 32.2	82 10 40.4	3,845
East end of trestle 400 feet long.....	31 10 27.8	82 11 10.5	2,850
Schlatterville, road crossing.....	31 10 20.4	82 12 00.6	4,410
Private-road crossing.....	31 10 16.2	82 14 06.5	10,939

## WRIGHTSVILLE QUADRANGLE.

South along Wrightsville &amp; Tennille R. R. (By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Road crossing.....	32 44 55.6	82 43 02.2	.....
South end of trestle at creek crossing.....	32 44 30.4	82 43 01.0	2,542
Wrightsville station, 675 feet southwest of, 20 feet southeast of center of track at point 107 feet southwest of switch stand, in line with fence line looking south, on west side of street about 18 feet east of center of street, in small bank; iron post set flush with surface of ground, stamped "Prim. Trav. Sta. No. 141, 1918 Mac."; azimuth to tower on brick high school, 47° 47' 15"; azimuth to lightning rod in hand of statue on courthouse, 156° 32' 15".....	32 43 36.2	82 43 04.0	5,486
Road crossing, private.....	32 42 57.7	82 43 33.1	4,612
Road crossing, public.....	32 42 24.6	82 43 47.8	3,579
Do.....	32 41 40.4	82 43 51.9	4,477
Do.....	32 40 52.2	82 44 32.9	6,003

## East along highways from Meadows.

Crossroads.....	32 39 48.4	82 44 33.7	.....
Road north.....	32 39 45.2	82 43 48.9	3,847
Road forks.....	32 39 31.9	82 43 10.6	3,544
Public crossroads.....	32 39 41.2	82 42 13.2	4,997
Road crossing, second class.....	32 39 33.6	82 41 50.3	2,105
T road southwest, second class.....	32 39 09.5	82 41 02.5	4,757
Road forks.....	32 38 59.4	82 40 16.0	4,112
Ohoopce River, bridge over.....	32 39 22.0	82 39 57.4	2,780
Spann post office, 6.5 miles southeast of, 0.75 mile east of crossing of Ohoopce River, 20 feet east of T road corners at road north to Bartow, 15 feet north of east and west road; iron post stamped "Prim. Trav. Sta. No. 146, 1918 Mac".....	32 39 43.8	82 39 26.5	3,442
T road north, second class.....	32 39 28.6	82 38 36.0	4,586
Center of creek at ford.....	32 38 59.5	82 37 11.2	7,821
Center of creek bridge.....	32 38 51.9	82 36 26.3	3,924
Road forks, just east of small creek.....	32 38 39.9	82 34 53.7	8,011
Road fork.....	32 38 21.9	82 33 36.1	6,883
T road east.....	32 38 11.5	82 33 30.4	1,160
Meeks station on Wadley Southern Ry., 330 feet south of, in line of west rail looking north, 20 feet west of center of track; iron post stamped "Prim. Trav. Sta. No. 136, 1918 Mac."; azimuth to right-hand edge of brick chimney on house 150 feet distant, 326° 34' 03".....	32 37 02.1	82 33 23.3	7,046
Road forks at point of separation of wagon tracks.....	32 37 25.2	82 32 39.1	4,448
T road south.....	32 37 40.2	82 31 31.1	6,010
Sardis Church, 0.8 mile west of, at crossroads.....	32 37 51.4	82 30 44.2	4,175

Magnetic declination for east border of quadrangle, 1° 21' E.

South along highways near east border of quadrangle.

Ohoopce River, center of stream.....	32 41 46.4	82 30 15.0	.....
Kite station, public-road crossing of Wadley Southern Ry.....	32 41 25.1	82 30 50.7	3,727
Fork of road.....	32 41 01.0	82 30 37.4	2,691
Small stream ford.....	32 40 26.0	82 30 13.0	4,106
Road west to house.....	32 39 50.5	82 30 19.0	3,626
T road west.....	32 39 01.4	82 30 25.2	4,989
Fork of road.....	32 38 25.4	82 30 36.4	3,754
Sardis Church, 0.8 mile west of, crossroads.....	32 37 51.4	82 30 44.2	3,503

Magnetic declination along east border of quadrangle, 1° 04' E.

## WRIGHTSVILLE QUADRANGLE—Continued.

East along highways near north border of quadrangle.

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Wrightsville station, about 675 feet southwest of, "Prim. Trav. Sta. No. 141, 1918 Mac." (previously described).....	32 43 36.2	82 43 04.0	.....
Forks of road.....	32 43 50.0	82 42 39.3	2,533
Do.....	32 44 02.7	82 42 21.3	2,008
Little Cedar Creek, bridge over.....	32 44 00.0	82 41 31.3	4,284
Forks of road, 20 feet from end of bridge.....	32 43 55.5	82 40 11.6	6,828
Forks of road.....	32 43 47.8	82 39 24.2	4,128
Crossroads.....	32 43 35.9	82 38 21.4	5,504
Do.....	32 43 39.6	82 36 47.0	8,074
T road south.....	32 43 44.8	82 36 17.4	2,584
Do.....	32 43 51.2	82 35 29.4	4,156
Second-class road north.....	32 43 59.3	82 34 59.2	2,717
Wrightsville, 9 miles east of, 3 miles west of gum log bridge, on road from Wrightsville to Tom, about 1 mile west of Powell's store, 30 feet west and 25 feet north of crossroad, on bank, in line with east end of house 250 feet south; iron post stamped "Prim. Trav. Sta. No. 143, 1918 Mac."; azimuth to chimney on west end of house 1,500 feet distant, 340° 05' 30".....	32 44 15.9	82 34 08.8	4,625
Second-class crossroads.....	32 44 15.3	82 33 41.0	2,380
Public T road north.....	32 44 12.7	82 32 28.6	6,190
Forks of road.....	32 43 50.0	82 31 23.5	6,020

Magnetic declination for north border of quadrangle, 1° 09' E.

West along roads near north border of quadrangle.

Wrightsville station, about 675 feet southwest of, "Prim. Trav. Sta. No. 141, 1918 Mac." (previously described).....	32 43 36.2	82 43 04.0	.....
Forks of road at cemetery.....	32 43 45.1	82 43 55.5	4,490
Forks of road.....	32 44 24.2	82 44 52.5	6,271

Magnetic declination for north border of quadrangle, 1° 04' E.

## WYLEY QUADRANGLE.

(By E. L. McNair in 1918.)

Station.	Latitude.	Longitude.	Distance between stations.
	° ' "	° ' "	Feet.
Meadows station (Spann post office), about 190 feet S. 53° W. from road crossing at, 53 feet northwest from center of railroad track, at south end of advertising billboard, 10 feet southwest of telephone post; iron post stamped "Prim. Trav. Sta. No. 142, 1918 Mac."; azimuth to left edge of chimney on north end of house, about 0.5 mile distant, 42° 24' 02".....	32 39 53.2	82 45 00.1	.....

West along roads.

Creek crossing, 65 feet west of end of bridge.....	32 44 12.6	82 45 52.0	.....
Crossroads.....	32 44 07.6	82 46 36.8	3,870
T road north.....	32 44 08.6	82 47 07.2	2,600
T road south.....	32 44 11.9	82 47 48.2	3,525
Forks of road.....	32 44 21.3	82 48 26.4	3,400
Crossroads.....	32 44 12.0	82 48 56.8	2,770
Creek crossing, bridge over.....	32 44 24.7	82 50 03.8	5,865
Forks of road, road southwest.....	32 44 24.2	82 50 29.2	2,179
T road corners, north, south, and east.....	32 44 19.1	82 51 17.9	4,191
Wrightsville, 8.5 miles west of, 115 feet S. 48° W. from Tarbutton's store, 40 feet north of center of road west to Kittrell, 60 feet west of corner fence post, 15 feet west of center of north and south road; iron post stamped "Prim. Trav. Sta. No. 145, 1918 Mac."; azimuth to right-hand edge of brick chimney on north end of Mr. Tarbutton's house, about 1,100 feet south, 1° 17' 26".....	32 44 28.7	82 51 19.1	980
Forks of road.....	32 44 30.4	82 52 00.1	3,513
West end of long bridge.....	32 44 14.1	82 53 16.7	6,752
Crossroads.....	32 43 59.3	82 54 32.7	6,666
Forks of road, 50 feet north of creek.....	32 44 28.5	82 55 17.0	4,803
Forks of road.....	32 44 58.1	82 55 34.2	3,332

Magnetic declination for quadrangle, 1° 12' E.