

GPS - 3

All values are referenced to the North American Datum NAD 83 (1995)

Latitude: **36° 27 ft 23.98466 inches** TN Northing: **240025.304 m**
Longitude: **82° 53 ft 12.35190 inches** TN Easting: **879028.538 m**

Elevation: **381.081 m (1,250.26 ft)**

Convergence: **+1° 49 ft 21.4 inches** Scale Factor: **1.00000734**

Monument Set by: **NGS** Date: **1987**

County: **Hawkins** Nearest Town: **Surgoinsville**

USGS QUAD: **Burem** TVA Designation: **180-NW**

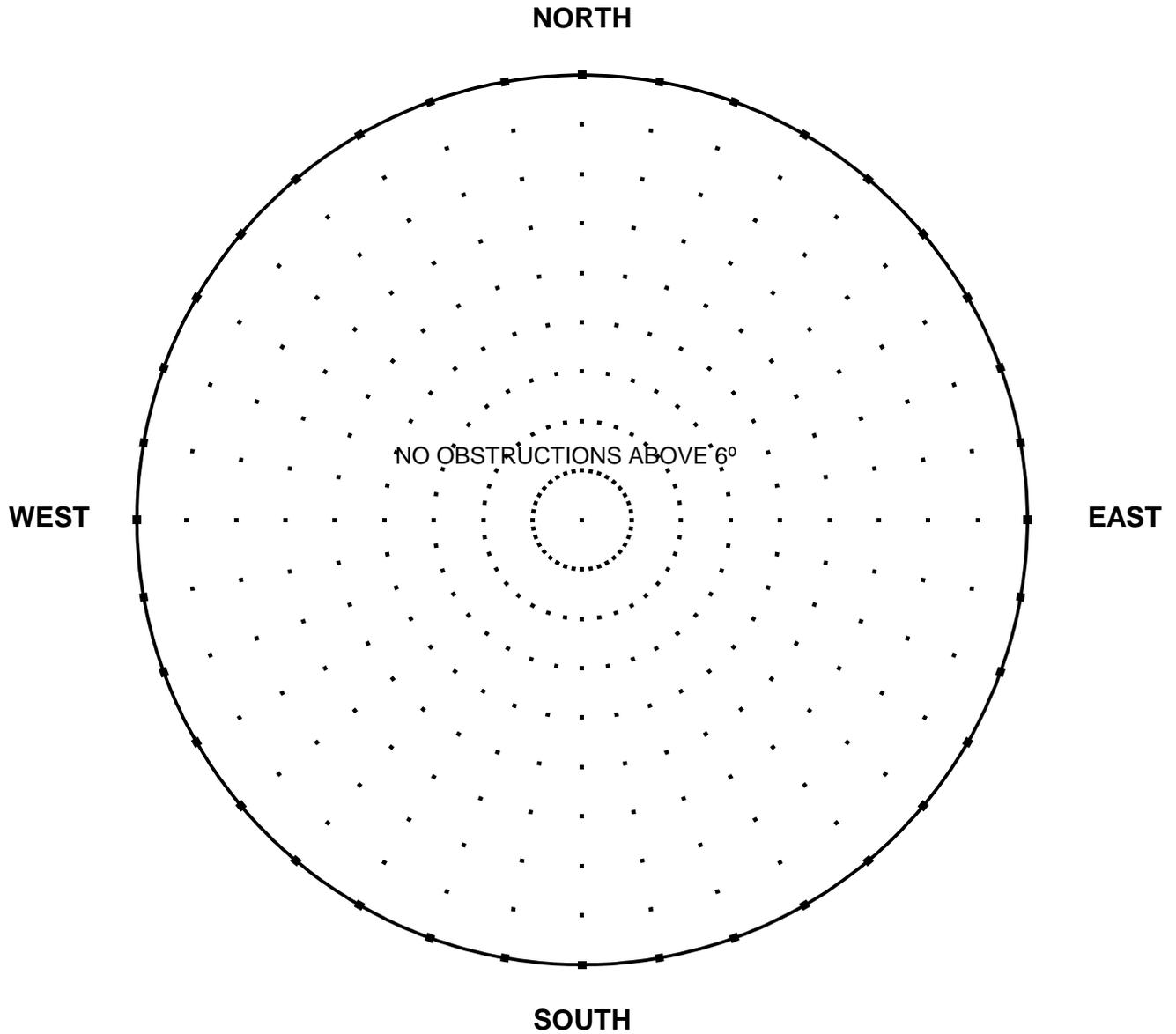
Description:

The station is located about 12.9 km (8 mi.) northeast of Rogersville, at the west edge of Surgoinsville, on the Rogersville/Hawkins County Airport, near the junction of the runway and the taxiway. Ownership--- Airport Manager is Mr. Earl Hayborn telephone (615) 345-0219.

To reach the station from the junction of TN 70N, State Route 347E, and U.S. Highway 11W at the northeast edge of Rogersville, go northeast for 8.7 km (5.4 mi.) on U.S. Highway 11W to the junction of State Route 346N on the right. Turn right and go southeast for 2.66 km (1.65 mi.) on State Route 346N to a paved road on the left leading to the airport, turn left and go north for 0.16 km (0.1 mi.) on the paved road to the airport office and hangar building. Pass on paved road west of hangar/office building through a gate and go west for 0.08 km (0.05 mi.) to the station.

The station is a 3-D mark with stainless rod driven 5.8 m (19 ft.). The logo cap is stamped---GPS 3 1987---, and a steel spike is set in the concrete. Located 23.6 m (77.5 ft.) south-southeast from the runway centerline, 14.9 m (49 ft.) north from the taxiway centerline, 6.7 m (22 ft.) east from the blue taxiway light at the junction of the runway and the taxiway, 0.4 m (1.3 ft.) east from a fiberglass witness post.

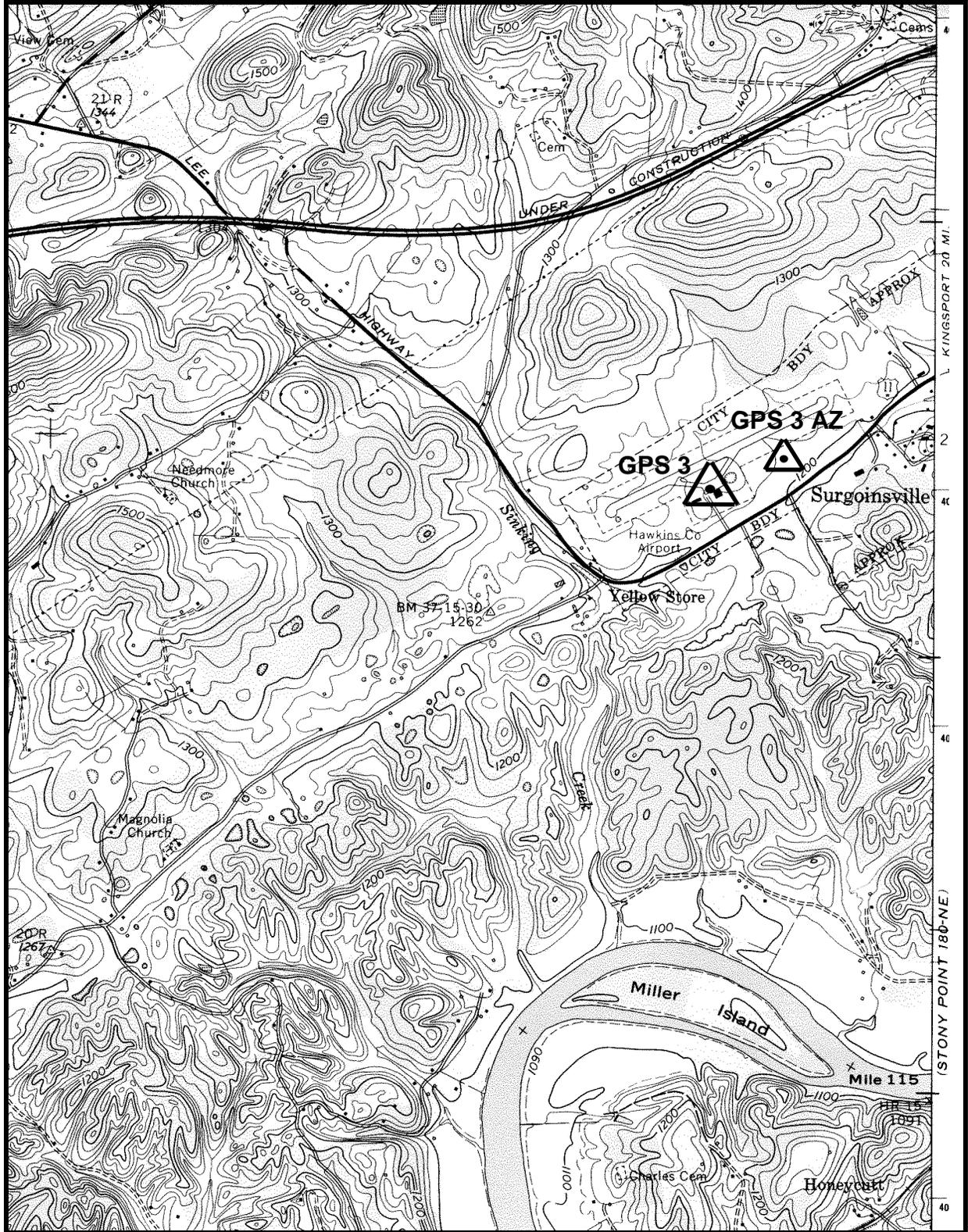
STATION VISIBILITY DIAGRAM



ELEVATION	<u>381.081 m (1,250.26 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 27 ft 24 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>82° 53 ft 12 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 3</u>	MAP SHEET	<u>180-NW, Burem</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 3

180-NW, BUREM

REVISION DATE: --/--/--

GPS - 3 AZ MK

All values are referenced to the North American Datum NAD 83 (1995)

Latitude:	36° 27 ft 30.34068 inches	TN Northing:	240233.539 m
Longitude:	82° 52 ft 56.68910 inches	TN Easting:	879412.111 m
Elevation:	377.239 m* (1,237.66 ft)		
Convergence:	+1° 49 ft 30.6 inches	Scale Factor:	1.00000767
Monument Set by:	NGS	Date:	1987
County:	Hawkins	Nearest Town:	Surgoinsville
USGS QUAD:	Burem	TVA Designation:	180-NW

Description:

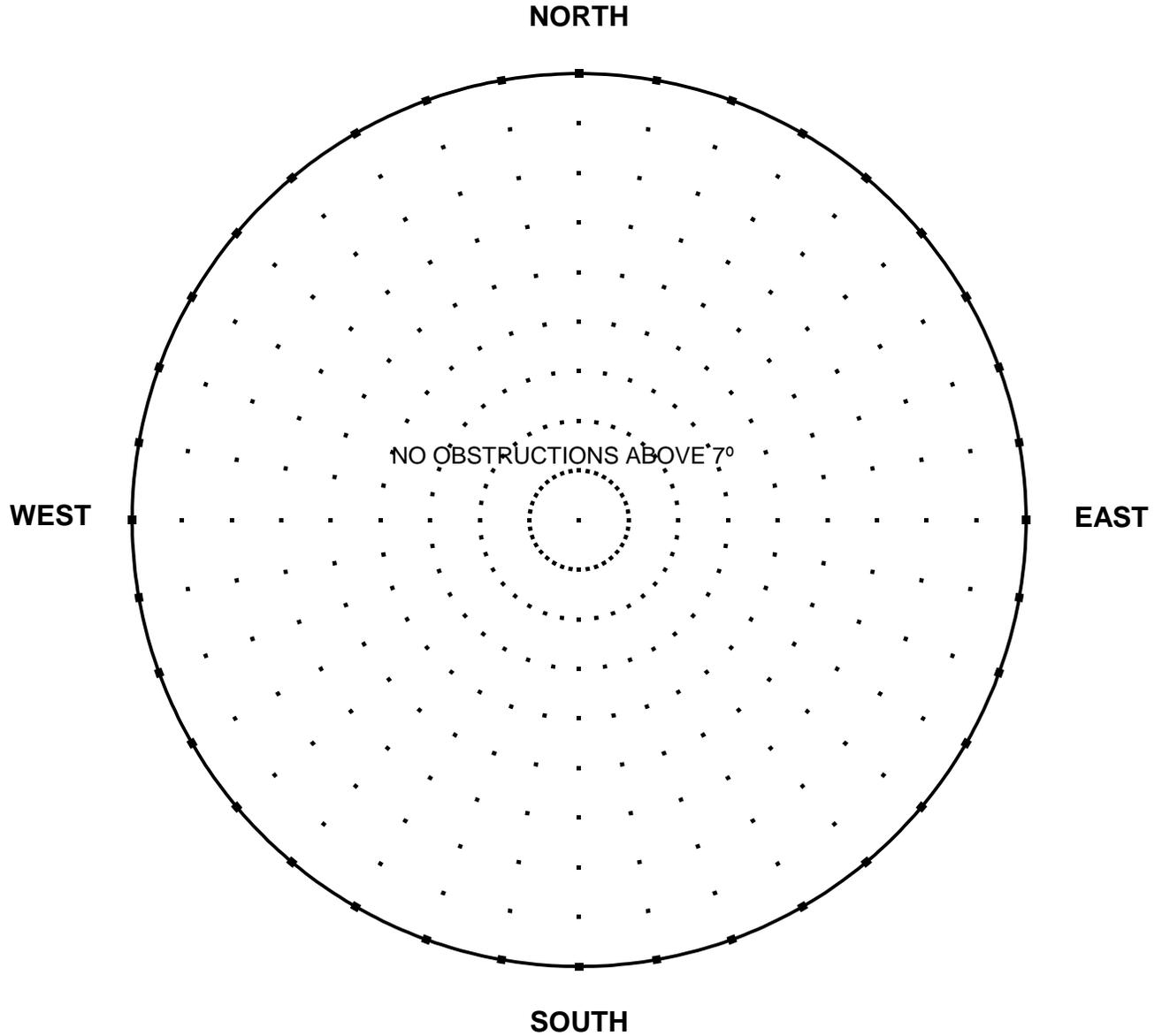
The azimuth mark is located about 12.9 km (8 mi.) northeast of Rogersville, at the west edge of Surgoinsville, on the Rogersville/Hawkins County Airport, near the junction of the runway and the taxiway. Ownership---Airport Manager is Mr. Earl Hayborn, telephone (615) 345-0219.

To reach the azimuth mark from the junction of TN 70N, State Route 347E, and U.S. Highway 11W at the northeast edge of Rogersville, go northeast for 8.7 km (5.4 mi.) on U.S. Highway 11W to the junction of State Route 346N on the right. Turn right and go southeast for 2.66 km (1.65 mi.) on State Route 346N to a paved road on the left leading to the airport, turn left and go north for 0.16 km (0.1 mi.) on the paved road to the airport office and hangar building. Pass on the paved road west of the hangar/office building through a gate and go east for 0.40 km (0.25 mi.) along the taxiway and runway to the mark on the right, 0.16 km (0.1 mi.) east of the Y junction of the taxiway and runway.

The azimuth is a 3-D mark with stainless rod driven 13.1 m (43 ft.). The logo cap is stamped---GPS 3 AZ MK 1987---, and a steel rebar is set in the concrete. Located 6.7 m (22 ft.) south of the south edge of the runway, 18.3 m (60 ft.) east of a runway light, 42.1 m (138 ft.) southwest of a runway light, 28.3 m (93 ft.) north of a pipe culvert under the ground in a ditch, and 0.6 m (2 ft.) west of a fiberglass witness post. The mark is 0.40 km (0.25 mi.) east of GPS 3 1987.

* GPS derived elevation using the Geoid 96 Model and the WGS 1984 Reference Ellipsoid.

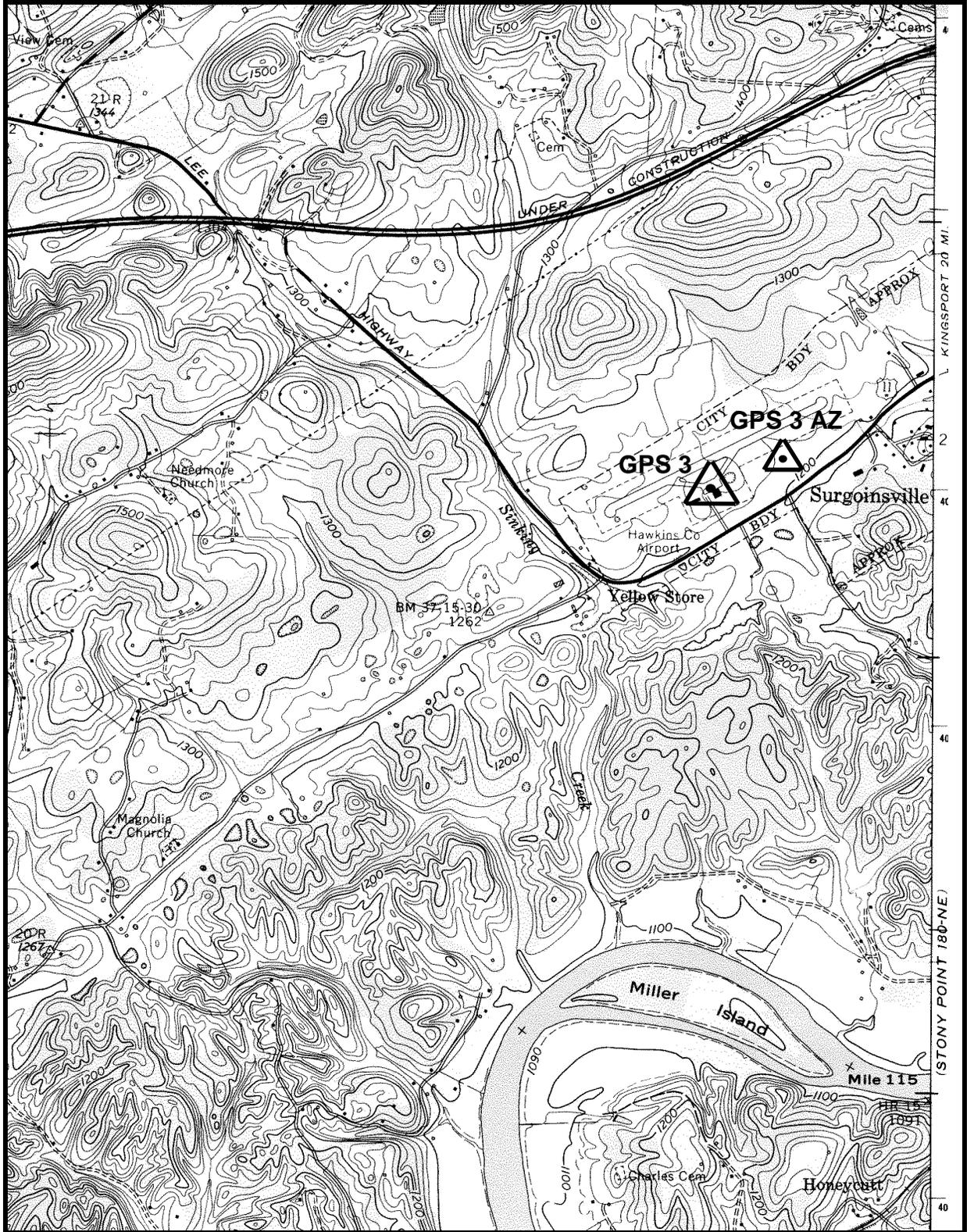
STATION VISIBILITY DIAGRAM



ELEVATION	<u>377.239 m (1,237.66 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 27 ft 30 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>82° 52 ft 57 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 3 AZ MK</u>	MAP SHEET	<u>180-NW, Burem</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

TENNESSEE GEODETIC REFERENCE NETWORK



GPS 3 AZ

180-NW, BUREM