

**GPS - 24**

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

Latitude:	<b>36° 0 ft 18.93229 inches</b>	TN Northing:	<b>185612.552 m</b>
Longitude:	<b>85° 30 ft 12.08369 inches</b>	TN Easting:	<b>644773.926 m</b>
Elevation:	<b>314.526 m (1031.91 ft)</b>		
Convergence:	<b>+0° 17 ft 26.7 inches</b>	Scale Factor:	<b>0.99995285</b>
Monument Set by:	<b>NGS</b>	Date:	<b>1987</b>
County:	<b>White</b>	Nearest Town:	<b>Cookeville</b>
USGS QUAD:	<b>Burgess Falls</b>	TVA Designation:	<b>326-SE</b>

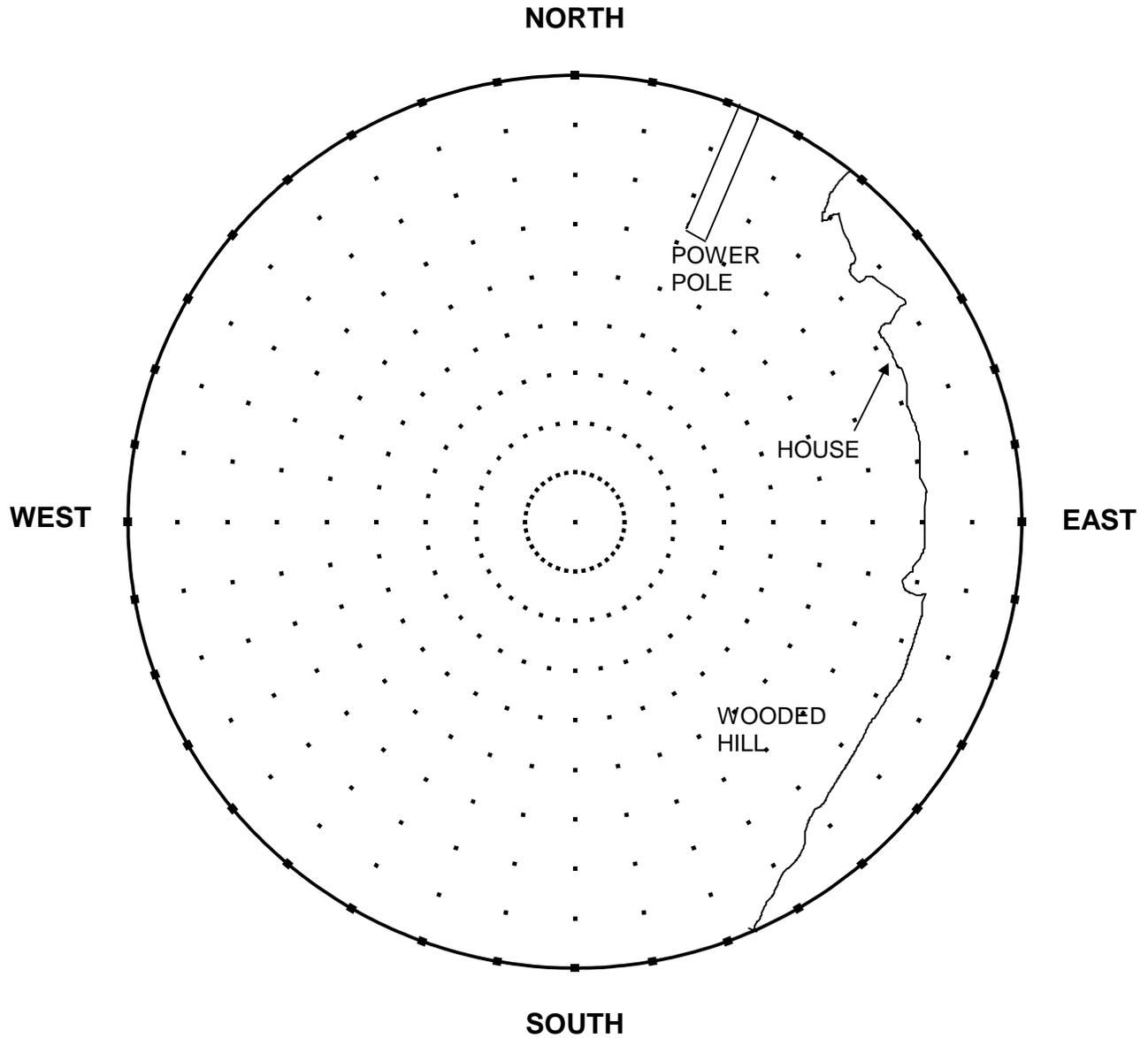
Description:

The station is located about 16.1 km (10 mi.) south of Cookeville, in a bedrock outcrop on the east right-of-way of Old State Route 111 just west-southwest of an elaborate house partly built of stone. Ownership--State Right-of Way.

To reach the station from the junction of Interstate 40 and State Route 111 southeast of Cookeville go south for 6.6 km (4.1 mi.) on State Route 111 to the Putnam/White County Line. Continue straight ahead and go south for 6.8 km (4.2 mi.) on State Route 111 to the O'Connor Rd. Exit. At the intersection of O'Connor Rd. and the State Route 111 exit ramp turn left and go east for 0.4 km (0.25 mi.) to the junction of Old State Route 111 (Roberts-Matthews Highway). Turn right and go south 1.5 km (0.9 mi.) to the station on the left.

The station is a standard NGS disk stamped---GPS 24 1987---, set into a drill hole in bedrock outcrop measuring 0.5 m (1.5 ft.) by 0.9 m (3 ft.) projecting 0.15 m (0.5 ft.). Located 53.6 m (176 ft.) south from the center of the driveway leading to the stone house, 8.5 m (28 ft.) east from the center of Old State Route 111 and 0.3 m (1 ft.) above same, 22.5 m (73.8 ft) south from the center of the driveway leading to the Tenn. Homes model home (3220 Roberts-Matthews Hwy), 22.2 m (72.8 ft.) south-southwest from utility pole with one guy wire, 0.6 meters (1.9 ft.) east from a fiberglass witness post.

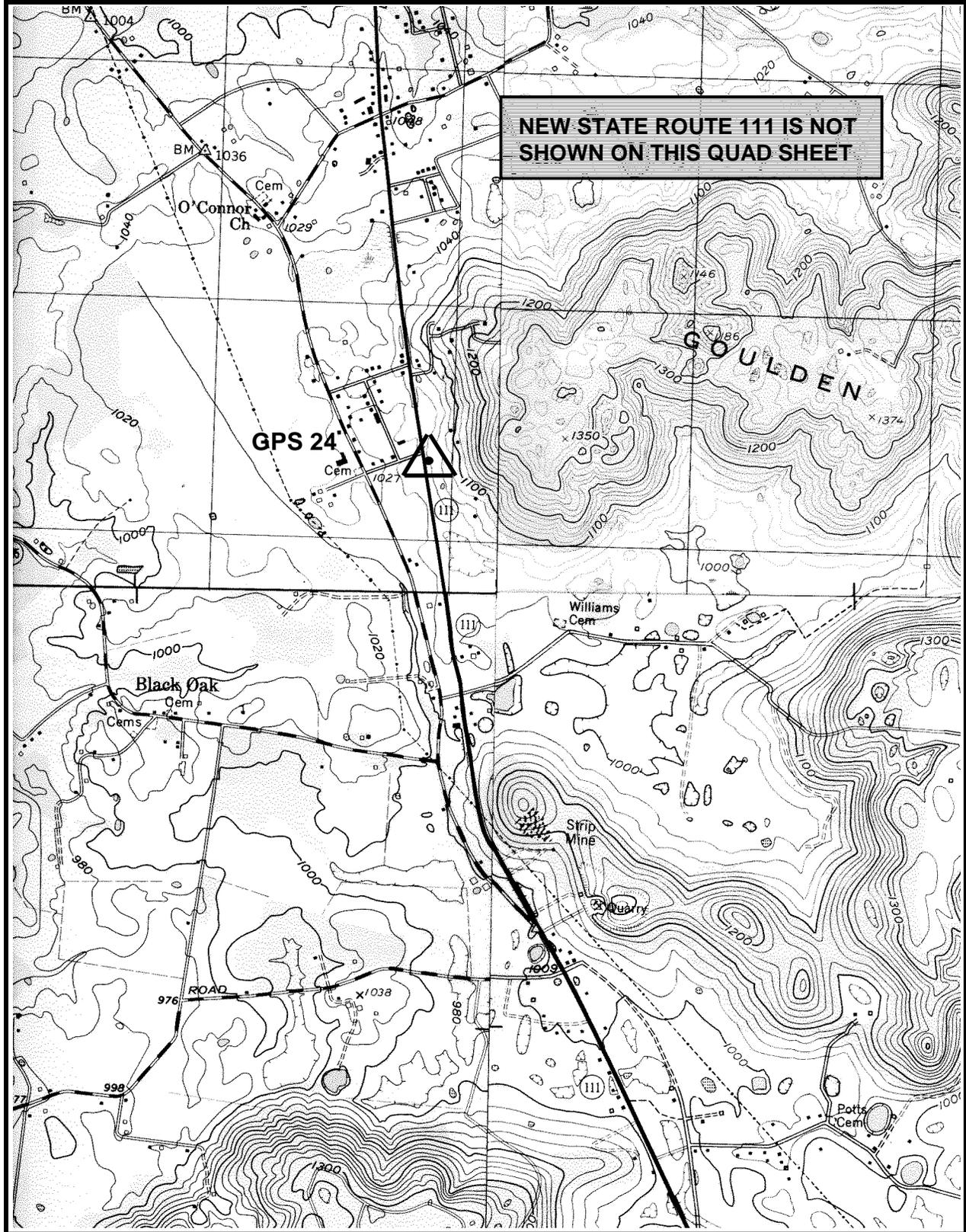
# STATION VISIBILITY DIAGRAM



ELEVATION	<u>314.526 m (1031.91 ft)</u>	DATE	<u>July 1997</u>
LATITUDE	<u>36° 0 ft 19 inches</u>	ORGANIZATION	<u>TDOT</u>
LONGITUDE	<u>85° 30 ft 12 inches</u>	MAP SCALE	<u>7 1/2 ft USGS</u>
STATION NAME	<u>GPS 24</u>	MAP SHEET	<u>326-SE, Burgess Falls</u>
		OBSERVER	<u>CLJ</u>
		Observer's height	<u>6 ft</u>

NOTES:

1. A 1.8 m (6 ft.) tripod may be required for maximum results.



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326-SE, BURGESS FALLS