ES302 In-Class Exercise

Name_EPY

Measuring Compass Bearings on the Monmouth 7.5-minute Quadrangle

Examine the Monmouth Quad and locate the following three locations: Wigrich Spur south of Stapleton Road, Benchmark (BM) 266 at intersection of Haley Road and Highway 99W, and Oak Hill approximately 1000 ft east of Johnson Hill.

Using protractor and map skills, measure the following bearings between the landmarks listed, in both the quadrant and azimuth methods.

FROM_TO_LOCATION (1) Wigrich Spur to Oak Hill (3)	Azimuth Bearing
(3) Oak Hill to BM266 (2)	296°
(2)BM266 to Wigrich Spur (1)	61°
(3) Oak Hill to Wigrich Spur (1) IST+1802	3370
(1) Wigrich Spur to BM266 (2) 6 H180=	241
(2) BM266 to Oak Hill (3) 296-180=	

Quadrant Bearing S.23° E.	180-157= 2335
N.64° W.	360-296=64 NA
N. 61°E	0+61=61°ME
N.23°W	360-337= 23 Nu
S. 61° W	241-180=61°00
S. 64°E.	180-116°=64°
	DE



