

Town of Plymouth Data Sheet

Station:	Point 89	Town Cor 5 W.M.		NGS PID#		ID#	
Town:	Plymouth		Quad: Wareham				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2754011.8669	870174.6658	(Survey Ft)	293343.4178	813872.3665		
(meters)	839424.4959	265229.7686	(meters)	89411.2525	248068.7935		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	50.065/15.26		Sketch				
NAVD29	50.90/15.514		Recov. Date:	August 7,2006			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	NGS OPUS SOLUTION REPORT =====						
	USER: rfirth@townhall.plymouth.ma.us			DATE: August 08, 2006			
	RINEX FILE: 5037219n.06o			TIME: 13:46:08 UTC			
	SOFTWARE: page5 0601.10 master.pl			START: 2006/08/07 13:05:00			
	EPHEMERIS: igu13871.eph [ultra-rapid]			STOP: 2006/08/07 17:21:00			
	NAV FILE: brdc2190.06n			OBS USED: 8474 / 8820 : 96%			
	ANT NAME: TRM33429.00+GP NONE			# FIXED AMB: 41 / 45 : 91%			
	ARP HEIGHT: 1.612392			OVERALL RMS: 0.018(m)			
	REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)			ITRF00 (EPOCH:2006.5990)			
	X: 1572608.873(m) 0.009(m)			1572608.159(m) 0.009(m)			
	Y: -4494459.526(m) 0.009(m)			-4494458.083(m) 0.009(m)			
	Z: 4229261.059(m) 0.016(m)			4229260.986(m) 0.016(m)			
	LAT: 41 48 8.71501 0.015(m)			41 48 8.74776 0.015(m)			
	E LON: 289 17 5.68749 0.012(m)			289 17 5.67895 0.012(m)			
	W LON: 70 42 54.31251 0.012(m)			70 42 54.32105 0.012(m)			
	EL HGT: -13.336(m) 0.007(m)			-14.576(m) 0.007(m)			
	ORTHO HGT: 15.260(m) 0.026(m)			[Geoid03 NAVD88]			
	UTM COORDINATES			STATE PLANE COORDINATES			
	UTM (Zone 19)			SPC (1702 LA S)			
	Northing (Y) [meters]			4629261.287 208738.598			
	Easting (X) [meters]			357519.637 1022972.876			
	Convergence [degrees]			-1.14340697 0.11951822			
	Point Scale			0.99984981 0.99994790			
	Combined Factor			1.00001690 0.99995115			
	US NATIONAL GRID DESIGNATOR: 19TCG5752029261(NAD 83)						

UTM COORDINATES

UTM (Zone 19)

Northing (Y) [meters] 4629261.287

Easting (X) [meters] 357519.637

Convergence [degrees] -1.14340697

Point Scale 0.99984981

Combined Factor 1.00001690

STATE PLANE COORDINATES

SPC (1702 LA S)

208738.598

1022972.876

0.11951822

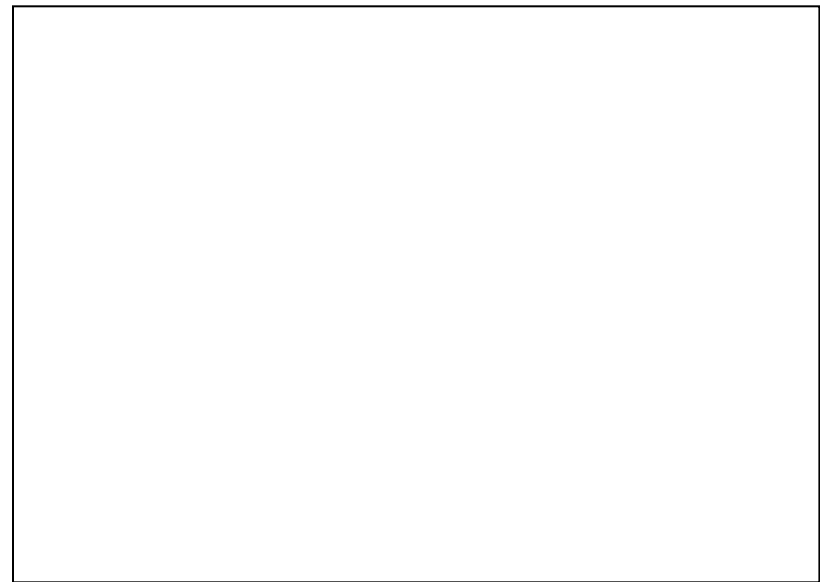
0.99994790

0.99995115

US NATIONAL GRID DESIGNATOR: 19TCG5752029261(NAD 83)

To convert meters to US survey feet
Multiply by 3.280833333

Grid Azimuth:	



To convert meters to US survey feet
Multiply by 3.280833333