

Town of Plymouth Data Sheet

Station:	Point 212	FORGES FIELD		NGS PID#		ID#	
Town:	Plymouth		Quad: Man				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2775553.516	908352.525	(Survey Ft)	314884.143	852050.397		
(meters)	845990.404	276866.403	(meters)	95976.879	259705.480		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	122.159/37.234		Sketch				
NAVD29	122.995/37.489		Recov. Date:	Aug, 2012			
Marked by:	Spike Set						
Description:	Spike set 3' off Tire						
Reference Marks:							
Azimuth Data:							
Geodetic:	<p>FILE: 50372430.12o OP1346763409794 NGS OPUS SOLUTION REPORT =====</p> <p>All computed coordinate accuracies are listed as peak-to-peak values. For additional information: http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: September 04, 2012 RINEX FILE: 5037243m.12o TIME: 12:58:03 UTC SOFTWARE: page5 1108.09 master72.pl 082112 START: 2012/08/30 12:45:00 EPHEMERIS: igr17034.eph [rapid] STOP: 2012/08/30 19:29:00 NAV FILE: brdc2430.12n OBS USED: 16067 / 16221 : 99% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 45 / 49 : 92% ARP HEIGHT: 1.603248 OVERALL RMS: 0.011(m) REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2012.6630) X: 1582229.557(m) 0.009(m) 1582228.741(m) 0.009(m) Y: -4486538.834(m) 0.022(m) -4486537.391(m) 0.022(m) Z: 4234081.129(m) 0.007(m) 4234081.103(m) 0.007(m) LAT: 41 51 37.73943 0.011(m) 41 51 37.77410 0.011(m) E LON: 289 25 32.82517 0.006(m) 289 25 32.81262 0.006(m) W LON: 70 34 27.17483 0.006(m) 70 34 27.18738 0.006(m) EL HGT: 8.958(m) 0.022(m) 7.725(m) 0.022(m) ORTHO HGT: 37.234(m) 0.040(m) [NAVD88 (Computed using GEOID12A (Beta))]</p> <p style="text-align: center;">UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4635483.980 845990.403 Easting (X) [meters] 369341.014 276866.404 Convergence [degrees] -1.05065209 0.62187618 Point Scale 0.99981007 0.99998207 Combined Factor 0.99980867 0.99998067</p>						

To convert meters to US survey feet
 Multiply by 3.280833333

	<p>US NATIONAL GRID DESIGNATOR: 19TCG6934135483(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 109231.5 DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 86825.6 DI0884 ACU6 ACUSHNET 6 CORS ARP N414435.676 W0705311.720 29043.3 NEAREST NGS PUBLISHED CONTROL POINT LW5794 10313 N415133.306 W0703506.765 922.0 This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.</p>
Grid Azimuth:	



To convert meters to US survey feet
Multiply by 3.2808333333