

Town of Plymouth Data Sheet

Station:	Point 118	Bartlett Road 2		NGS PID#		ID#	
Town:	Plymouth		Quad: Man				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2791859.58562	911583.51886	(Survey Ft)	331190.06639	855281.62257		
(meters)	850960.50362	277851.21225	(meters)	100946.93413	260690.35994		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	19.8359/6.046		Sketch				
NAVD29	20.67/6.301		Recov. Date:	January 29, 2007			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:	Bartlett 1, GPS Point # 22						
Azimuth Data:	Bartlett 2 to Bartlett 1 : N. 19-18-31 E., 548.07'						
Geodetic:	<pre> NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us DATE: January 30, 2007 RINEX FILE: 5037029n.07o TIME: 12:49:25 UTC SOFTWARE: page5 0612.06 master23.pl START: 2007/01/29 13:56:00 EPHEMERIS: igu14121.eph [ultra-rapid] STOP: 2007/01/29 19:04:00 NAV FILE: brdc0290.07n OBS USED: 8887 / 9639 : 92% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 52 / 53 : 98% ARP HEIGHT: 1.56362400 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2007.0786) X: 1582100.294(m) 0.010(m) 1582099.571(m) 0.010(m) Y: -4483049.152(m) 0.008(m) -4483047.710(m) 0.008(m) Z: 4237752.518(m) 0.013(m) 4237752.448(m) 0.013(m) LAT: 41 54 18.47365 0.006(m) 41 54 18.50660 0.006(m) E LON: 289 26 17.89224 0.007(m) 289 26 17.88348 0.007(m) W LON: 70 33 42.10776 0.007(m) 70 33 42.11652 0.007(m) EL HGT: -22.119(m) 0.016(m) -23.357(m) 0.016(m) ORTHO HGT: 6.046(m) 0.030(m) [Geoid03 NAVD88] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (1702 LA S) Northing (Y) [meters] 4640422.362 119161.336 Easting (X) [meters] 370470.313 911473.268 Convergence [degrees] -1.04320063 -0.45684242 Point Scale 0.99980646 0.99995359 Combined Factor 0.99966946 0.99995742 US NATIONAL GRID DESIGNATOR: 19TCG7047040422(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 110146.8 DF9215 ZBW1 BOSTON WAAS 1 CORS ARP N424408.559 W0712849.518 119360.1 </pre>						

To convert meters to US survey feet
Multiply by 3.280833333

	DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 32438.1 NEAREST NGS PUBLISHED CONTROL POINT LW1533 N 43 N415400. W0703259. 1144.8 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.
Grid Azimuth:	



To convert meters to US survey feet
Multiply by 3.280833333