

Town of Plymouth Data Sheet

Station:	Point 146	Fair Oaks Rd		NGS PID#		ID#															
Town:	Plymouth		Quad: Man																		
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																
(Survey Ft)	2799955.93809	911446.56513	(Survey Ft)	339286.37846	855144.79032																
(meters)	853428.27679	277809.46867	(meters)	103414.69498	260648.65339																
						Order															
Elevation	Vert. Datum f/m	Order	Stamping:																		
NAVD88	56.633/17.262		Sketch																		
NAVD29	57.47/17.517		Recov. Date:	Sept. 12, 2008																	
Marked by:	Drill Hole																				
Description:	Drill Hole in flush boulder																				
Reference Marks:																					
Azimuth Data:																					
Geodetic:	FILE: 50372550.080 000430541 NGS OPUS SOLUTION REPORT ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: September 12, 2008 RINEX FILE: 5037255n.080 TIME: 18:22:09 UTC SOFTWARE: page5 0612.06 master23.pl START: 2008/09/11 13:14:00 EPHEMERIS: igr14964.eph [rapid] STOP: 2008/09/11 17:56:00 NAV FILE: brdc2550.08n OBS USED: 9976 / 10499 : 95% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 46 / 47 : 98% ARP HEIGHT: 1.566672 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2008.6958) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1581540.604(m) 0.022(m)</td> <td style="width: 50%;">1581539.865(m) 0.022(m)</td> </tr> <tr> <td>Y: -4481507.067(m) 0.006(m)</td> <td>-4481505.625(m) 0.006(m)</td> </tr> <tr> <td>Z: 4239596.629(m) 0.025(m)</td> <td>4239596.557(m) 0.025(m)</td> </tr> <tr> <td>LAT: 41 55 38.46980 0.017(m)</td> <td>41 55 38.50283 0.017(m)</td> </tr> <tr> <td>E LON: 289 26 17.25878 0.023(m)</td> <td>289 26 17.24936 0.023(m)</td> </tr> <tr> <td>W LON: 70 33 42.74122 0.023(m)</td> <td>70 33 42.75064 0.023(m)</td> </tr> <tr> <td>EL HGT: -10.866(m) 0.019(m)</td> <td>-12.109(m) 0.019(m)</td> </tr> </table> ORTHO HGT: 17.262(m) 0.032(m) [NAVD88 (Computed using GEOID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** Northing (Y) [meters] 4642889.881 Please manually select Easting (X) [meters] 370500.660 SPC zone. Convergence [degrees] -1.04376891 Point Scale 0.99980636 Combined Factor 0.00000000 US NATIONAL GRID DESIGNATOR: 19TCG7050142890(NAD 83) BASE STATIONS USED							X: 1581540.604(m) 0.022(m)	1581539.865(m) 0.022(m)	Y: -4481507.067(m) 0.006(m)	-4481505.625(m) 0.006(m)	Z: 4239596.629(m) 0.025(m)	4239596.557(m) 0.025(m)	LAT: 41 55 38.46980 0.017(m)	41 55 38.50283 0.017(m)	E LON: 289 26 17.25878 0.023(m)	289 26 17.24936 0.023(m)	W LON: 70 33 42.74122 0.023(m)	70 33 42.75064 0.023(m)	EL HGT: -10.866(m) 0.019(m)	-12.109(m) 0.019(m)
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To convert meters to US survey feet
Multiply by 3.280833333

	PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 110154.4 AF9520 WES2 WESTFORD CORS ARP N423647.975 W0712935.968 108215.3 DI1075 NHUN U NEW HAMPSHIRE CORS ARP N430833.179 W0705706.863 138736.2 NEAREST NGS PUBLISHED CONTROL POINT LW1535 L 43 N415515. W0703400. 827.3 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