

Town of Plymouth Data Sheet

Station:	Point 137	Joslin Center		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2773899.81149	920979.16903	(Survey Ft)	313230.21426	864676.96941		
(meters)	845486.3535	280715.012	(meters)	95472.76025	263554.06739		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	9.472/2.887		Sketch				
NAVD29	10.32/3.144		Recov. Date:	March 3, 2008			
Marked by:	Drill Hole Set						
Description:	Drill Hole Set large Boulder						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> FILE: 50370630.08o 000310767 2005 NOTE: The IGS precise and IGS rapid orbits were not available 2005 at processing time. The IGS ultra-rapid orbit was/will be used to 2005 process the data. 2005 NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us DATE: March 04, 2008 RINEX FILE: 5037063p.08o TIME: 13:18:07 UTC SOFTWARE: page5 0612.06 master28.pl START: 2008/03/03 15:24:00 EPHEMERIS: igu14691.eph [ultra-rapid] STOP: 2008/03/03 19:41:00 NAV FILE: brdc0630.08n OBS USED: 10547 / 10611 : 99% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 43 / 45 : 96% ARP HEIGHT: 1.085088 OVERALL RMS: 0.017(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2008.1714) X: 1585966.110(m) 0.018(m) 1585965.368(m) 0.018(m) Y: -4485579.321(m) 0.005(m) -4485577.881(m) 0.005(m) Z: 4233650.979(m) 0.012(m) 4233650.914(m) 0.012(m) LAT: 41 51 20.01522 0.005(m) 41 51 20.04836 0.005(m) E LON: 289 28 19.43257 0.017(m) 289 28 19.42306 0.017(m) W LON: 70 31 40.56743 0.017(m) 70 31 40.57694 0.017(m) EL HGT: -25.302(m) 0.014(m) -26.540(m) 0.014(m) ORTHO HGT: 2.887(m) 0.029(m) [Geoid03 NAVD88] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** Northing (Y) [meters] 4634867.922 Please manually select Easting (X) [meters] 373172.588 SPC zone. Convergence [degrees] -1.01965820 Point Scale 0.99979793 Combined Factor 0.00000000 </pre>						

To convert meters to US survey feet
Multiply by 3.280833333

	<p>US NATIONAL GRID DESIGNATOR: 19TCG7317334868(NAD 83)</p> <p>BASE STATIONS USED</p> <table border="1"> <thead> <tr> <th>PID</th> <th>DESIGNATION</th> <th>LATITUDE</th> <th>LONGITUDE</th> <th>DISTANCE(m)</th> </tr> </thead> <tbody> <tr> <td>DH5837</td> <td>CTPU PUTNAM CORS ARP</td> <td>N415358.888</td> <td>W0715320.889</td> <td>113096.2</td> </tr> <tr> <td>AF9520</td> <td>WES2 WESTFORD CORS ARP</td> <td>N423647.975</td> <td>W0712935.968</td> <td>115907.2</td> </tr> <tr> <td>DI0876</td> <td>ACU5 ACUSHNET 5 CORS ARP</td> <td>N414436.796</td> <td>W0705313.027</td> <td>32327.4</td> </tr> <tr> <td colspan="5">NEAREST NGS PUBLISHED CONTROL POINT</td> </tr> <tr> <td>LW5753</td> <td>10358</td> <td>N415129.513</td> <td>W0703132.085</td> <td>352.7</td> </tr> </tbody> </table> <p>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>	PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889	113096.2	AF9520	WES2 WESTFORD CORS ARP	N423647.975	W0712935.968	115907.2	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027	32327.4	NEAREST NGS PUBLISHED CONTROL POINT					LW5753	10358	N415129.513	W0703132.085	352.7
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