

Town of Plymouth Data Sheet

Station:	Point 135	Hedges Pond 1		NGS PID#		ID#																																	
Town:	Plymouth		Quad: Sag																																				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																																		
(Survey Ft)	2764269.08637	911489.89256	(Survey Ft)	303599.71771	855187.58394																																		
(meters)	842550.90263	277822.6749	(meters)	92537.37903	260661.69691																																		
						Order																																	
Elevation	Vert. Datum f/m	Order	Stamping:																																				
NAVD88	53.579/16.331		Sketch																																				
NAVD29	54.42/16.588		Recov. Date:	January 10, 2008																																			
Marked by:	Iron Rod																																						
Description:	3' Iron Rod set																																						
Reference Marks:																																							
Azimuth Data:																																							
Geodetic:	FILE: 50370100.08o 000282542 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 RINEX FILE: 5037010n.08o SOFTWARE: page5 0612.06 master22.pl EPHEMERIS: igu14614.eph [ultra-rapid] NAV FILE: brdc0100.08n ANT NAME: TRM33429.00+GP NONE ARP HEIGHT: 1.514856 REF FRAME: NAD_83(CORS96)(EPOCH:2002.00000) DATE: January 10, 2008 TIME: 19:35:55 UTC START: 2008/01/10 13:45:00 STOP: 2008/01/10 18:12:00 OBS USED: 6145 / 7248 : 85% # FIXED AMB: 36 / 36 : 100% OVERALL RMS: 0.013(m) ITRF00 (EPOCH:2008.0264) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">X: 1583856.348(m)</td> <td style="width: 33%;">0.012(m)</td> <td style="width: 33%;">1583855.609(m)</td> <td style="width: 33%;">0.012(m)</td> </tr> <tr> <td>Y: -4488388.845(m)</td> <td>0.064(m)</td> <td>-4488387.404(m)</td> <td>0.064(m)</td> </tr> <tr> <td>Z: 4231497.241(m)</td> <td>0.061(m)</td> <td>4231497.175(m)</td> <td>0.061(m)</td> </tr> <tr> <td>LAT: 41 49 45.92504</td> <td>0.005(m)</td> <td>41 49 45.95814</td> <td>0.005(m)</td> </tr> <tr> <td>E LON: 289 26 12.64659</td> <td>0.016(m)</td> <td>289 26 12.63717</td> <td>0.016(m)</td> </tr> <tr> <td>W LON: 70 33 47.35341</td> <td>0.016(m)</td> <td>70 33 47.36283</td> <td>0.016(m)</td> </tr> <tr> <td>EL HGT: -11.961(m)</td> <td>0.087(m)</td> <td>-13.201(m)</td> <td>0.087(m)</td> </tr> <tr> <td>ORTHO HGT: 16.331(m)</td> <td>0.091(m)</td> <td colspan="2">[Geoid03 NAVD88]</td> </tr> </table> UTM COORDINATES UTM (Zone 19) Northing (Y) [meters] 4632018.645 Easting (X) [meters] 370196.358 Convergence [degrees] -1.04263624 Point Scale 0.99980733 Combined Factor 0.00000000 STATE PLANE COORDINATES *** NOTE *** Please manually select SPC zone.							X: 1583856.348(m)	0.012(m)	1583855.609(m)	0.012(m)	Y: -4488388.845(m)	0.064(m)	-4488387.404(m)	0.064(m)	Z: 4231497.241(m)	0.061(m)	4231497.175(m)	0.061(m)	LAT: 41 49 45.92504	0.005(m)	41 49 45.95814	0.005(m)	E LON: 289 26 12.64659	0.016(m)	289 26 12.63717	0.016(m)	W LON: 70 33 47.35341	0.016(m)	70 33 47.36283	0.016(m)	EL HGT: -11.961(m)	0.087(m)	-13.201(m)	0.087(m)	ORTHO HGT: 16.331(m)	0.091(m)	[Geoid03 NAVD88]	
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To convert meters to US survey feet
Multiply by 3.280833333

	US NATIONAL GRID DESIGNATOR: 19TCG7019632019(NAD 83)			
	BASE STATIONS USED			
	PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
	DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889 110365.5
	AF9520	WES2 WESTFORD CORS ARP	N423647.975	W0712935.968 116099.9
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027 28556.1
	NEAREST NGS PUBLISHED CONTROL POINT			
	LW5802	10348	N414949.234	W0703346.364 104.8
	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