

Town of Plymouth Data Sheet

Station:	Point 185	Eel River 1		NGS PID#		ID#																					
Town:	Plymouth		Quad: Plym																								
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																						
(Survey Ft)	2793940.211	888389.232	(Survey Ft)	333271.052	832087.447																						
(meters)	851594.679	270781.579	(meters)	101581.220	253620.761																						
						Order																					
Elevation	Vert. Datum f/m	Order	Stamping:																								
NAVD88	95.318/29.053		Sketch																								
NAVD29	96.142/29.304		Recov. Date:	May 12, 2011																							
Marked by:	Iron Rod																										
Description:	3' Iron Rod set																										
Reference Marks:																											
Azimuth Data:																											
Geodetic:	FILE: 50371320.110 000226436 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 ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: http://www.ngs.noaa.gov/OPUS/about.html#accuracy USER: RFIRTH@TOWNHALL.PLYMOUTH.MA.US DATE: May 12, 2011 RINEX FILE: 5037132m.11o TIME: 19:11:06 UTC SOFTWARE: page5 1009.28 master.pl 0512113 START: 2011/05/12 12:49:00 EPHEMERIS: igu16354.eph [ultra-rapid] STOP: 2011/05/12 17:42:00 NAV FILE: brdc1320.11n OBS USED: 10062 / 10248 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 40 / 41 : 98% ARP HEIGHT: 1.563624 OVERALL RMS: 0.008(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.00000) ITRF00 (EPOCH:2011.3606) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">X: 1575286.915(m) 0.012(m)</td> <td style="width: 50%;">1575286.135(m) 0.012(m)</td> </tr> <tr> <td>Y: -4484964.375(m) 0.026(m)</td> <td>-4484962.936(m) 0.026(m)</td> </tr> <tr> <td>Z: 4238295.005(m) 0.039(m)</td> <td>4238294.941(m) 0.039(m)</td> </tr> <tr> <td>LAT: 41 54 41.43392 0.019(m)</td> <td>41 54 41.46736 0.019(m)</td> </tr> <tr> <td>E LON: 289 21 11.44410 0.018(m)</td> <td>289 21 11.43286 0.018(m)</td> </tr> <tr> <td>W LON: 70 38 48.55590 0.018(m)</td> <td>70 38 48.56714 0.018(m)</td> </tr> <tr> <td>EL HGT: 0.769(m) 0.038(m)</td> <td>-0.477(m) 0.038(m)</td> </tr> </table> ORTHO HGT: 29.053(m) 0.065(m) [NAVD88 (Computed using GE0ID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Northing (Y) [meters] 4641262.582</td> <td style="width: 50%;">851594.679</td> </tr> <tr> <td>Easting (X) [meters] 363423.340</td> <td>270781.579</td> </tr> <tr> <td>Convergence [degrees] -1.10021660</td> <td>0.57310474</td> </tr> </table>							X: 1575286.915(m) 0.012(m)	1575286.135(m) 0.012(m)	Y: -4484964.375(m) 0.026(m)	-4484962.936(m) 0.026(m)	Z: 4238295.005(m) 0.039(m)	4238294.941(m) 0.039(m)	LAT: 41 54 41.43392 0.019(m)	41 54 41.46736 0.019(m)	E LON: 289 21 11.44410 0.018(m)	289 21 11.43286 0.018(m)	W LON: 70 38 48.55590 0.018(m)	70 38 48.56714 0.018(m)	EL HGT: 0.769(m) 0.038(m)	-0.477(m) 0.038(m)	Northing (Y) [meters] 4641262.582	851594.679	Easting (X) [meters] 363423.340	270781.579	Convergence [degrees] -1.10021660	0.57310474
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To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale 0.99982953 0.99997721 Combined Factor 0.99982941 0.99997709 US NATIONAL GRID DESIGNATOR: 19TCG6342341262(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DE6262 URIL U OF RI COOP CORS ARP N412920.158 W0713139.778 87058.2 DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 78659.7 DI0966 XMTS MTS FOX COOP CORS ARP N420350.018 W0711501.669 52807.9 NEAREST NGS PUBLISHED CONTROL POINT LW4623 JENX N415345.272 W0703802.223 2037.9 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 3.2808333333