

Town of Plymouth Data Sheet

Station:	Point 150	Nelson 2		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2814071.33931	881285.41940	(Survey Ft)	353402.11392	824983.95324		
(meters)	857730.65968	268616.33307	(meters)	107717.17976	251455.61186		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	16.988/5.178		Sketch				
NAVD29	17.81/5.43		Recov. Date:	February 25, 2009			
Marked by:	CB/Dh						
Description:	CB/Dh						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50370560.090 000524755 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: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: February 26, 2009 RINEX FILE: 50370560.090 TIME: 13:47:39 UTC SOFTWARE: page5 0810.20 master11.pl 081023 START: 2009/02/25 14:53:00 EPHEMERIS: igu15203.eph [ultra-rapid] STOP: 2009/02/25 20:40:00 NAV FILE: brdc0560.09n OBS USED: 12195 / 14248 : 86% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 81 / 88 : 92% ARP HEIGHT: 1.834896 OVERALL RMS: 0.013(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.00000) ITRF00 (EPOCH:2009.1527) X: 1571932.249(m) 0.033(m) 1571931.503(m) 0.033(m) Y: -4481761.826(m) 0.017(m) -4481760.385(m) 0.017(m) Z: 4242859.102(m) 0.040(m) 4242859.031(m) 0.040(m) LAT: 41 58 0.99636 0.043(m) 41 58 1.02948 0.043(m) E LON: 289 19 40.07695 0.025(m) 289 19 40.06709 0.025(m) W LON: 70 40 19.92305 0.025(m) 70 40 19.93291 0.025(m) EL HGT: -23.071(m) 0.029(m) -24.313(m) 0.029(m) ORTHO HGT: 5.178(m) 0.039(m) [NAVD88 (Computed using GE0ID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4647458.312 857730.660 Easting (X) [meters] 361438.534 268616.333 Convergence [degrees] -1.11838112 0.55605643						

To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale 0.99983625 0.99997283 Combined Factor 0.99983987 0.99997644 US NATIONAL GRID DESIGNATOR: 19TCG6143947458(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 73611.1 DI0966 XMTS MTS FOX COOP CORS ARP N420350.018 W0711501.669 49093.6 DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 30555.3 NEAREST NGS PUBLISHED CONTROL POINT LW4595 PLYMOUTH PURITAN MILLS CON CHY N415741.918 W0704012.286 615.5 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