

Town of Plymouth Data Sheet

Station:	Point 149	Long Beach		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2814026.24659	889057.89251	(Survey Ft)	353356.91692	832756.4005		
(meters)	857716.91539	270985.38761	(meters)	107703.40368	253824.65852		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	7.808/2.380		Sketch				
NAVD29	8.64/2.633		Recov. Date:	December 23, 2008			
Marked by:	Concrete Bound Drill Hole Flush						
Description:							
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50373580.08o 000493940 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: December 23, 2008 RINEX FILE: 5037358p.08o TIME: 19:35:20 UTC SOFTWARE: page5 0810.20 master23.pl 081023 START: 2008/12/23 15:01:00 EPHEMERIS: igu15112.eph [ultra-rapid] STOP: 2008/12/23 18:56:00 NAV FILE: brdc3580.08n OBS USED: 7840 / 8002 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 43 / 44 : 98% ARP HEIGHT: 1.603248 OVERALL RMS: 0.012(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2008.9773) X: 1574174.951(m) 0.047(m) 1574174.208(m) 0.047(m) Y: -4480998.741(m) 0.109(m) -4480997.300(m) 0.109(m) Z: 4242829.653(m) 0.047(m) 4242829.582(m) 0.047(m) LAT: 41 57 59.79284 0.054(m) 41 57 59.82594 0.054(m) E LON: 289 21 22.95460 0.008(m) 289 21 22.94490 0.008(m) W LON: 70 38 37.04540 0.008(m) 70 38 37.05510 0.008(m) EL HGT: -25.822(m) 0.110(m) -27.063(m) 0.110(m) ORTHO HGT: 2.380(m) 0.113(m) [NAVD88 (Computed using GE0ID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4647375.359 857716.915 Easting (X) [meters] 363805.843 270985.388 Convergence [degrees] -1.09925547 0.57525250						

To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale 0.99982825 0.99997285 Combined Factor 0.99983229 0.99997690 US NATIONAL GRID DESIGNATOR: 19TCG6380647375(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) AF9520 WES2 WESTFORD CORS ARP N423647.975 W0712935.968 100354.8 DF9215 ZBW1 BOSTON WAAS 1 CORS ARP N424408.559 W0712849.518 109780.4 DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 31969.5 NEAREST NGS PUBLISHED CONTROL POINT LW4570 LONG BEACH NORTH 1934 N415802.772 W0703836.933 92.2 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