

Town of Plymouth Data Sheet

Station:	Point 151	Nelson Beach		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2814434.58335	881341.96044	(Survey Ft)	353765.35399	825040.49939		
(meters)	857841.37669	268633.56681	(meters)	107827.89555	251472.84716		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	8.248/2.514		Sketch				
NAVD29	9.07/2.766		Recov. Date:	March 13, 2009			
Marked by:	Drill Hole						
Description:	Drill Hole In Granite Block in Sea Wall						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50370720.09o 000004468 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: March 13, 2009 RINEX FILE: 5037072n.09o TIME: 19:24:02 UTC SOFTWARE: page5 0810.20 master10.pl 081023 START: 2009/03/13 13:06:00 EPHEMERIS: igu15225.eph [ultra-rapid] STOP: 2009/03/13 18:28:00 NAV FILE: brdc0720.09n OBS USED: 12987 / 13231 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 51 / 51 : 100% ARP HEIGHT: 1.094232 OVERALL RMS: 0.010(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.00000) ITRF00 (EPOCH:2009.1963) X: 1571924.403(m) 0.008(m) 1571923.656(m) 0.008(m) Y: -4481684.141(m) 0.032(m) -4481682.700(m) 0.032(m) Z: 4242939.516(m) 0.009(m) 4242939.445(m) 0.009(m) LAT: 41 58 4.57934 0.013(m) 41 58 4.61246 0.013(m) E LON: 289 19 40.87206 0.016(m) 289 19 40.86216 0.016(m) W LON: 70 40 19.12794 0.016(m) 70 40 19.13784 0.016(m) EL HGT: -25.733(m) 0.027(m) -26.976(m) 0.027(m) ORTHO HGT: 2.514(m) 0.037(m) [NAVD88 (Computed using GE0ID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4647568.463 857841.377 Easting (X) [meters] 361458.993 268633.567 Convergence [degrees] -1.11825496 0.55620479						

To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale	0.99983618	0.99997276
	Combined Factor	0.99984021	0.99997679
	US NATIONAL GRID DESIGNATOR: 19TCG6145947568(NAD 83)		
	BASE STATIONS USED		
	PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
	AF9520	WES2 WESTFORD CORS ARP	N423647.975 W0712935.968 98628.2
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 49087.0
	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796 W0705313.027 30655.7
	NEAREST NGS PUBLISHED CONTROL POINT		
	LW4602	HOLMES 1934	N415824.300 W0704036.156 724.7
	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:			



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