

Town of Plymouth Data Sheet

Station:	Point 153	Fresh Pond 1		NGS PID#		ID#	
Town:	Plymouth		Quad: Man				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2790091.338	913061.723	(Survey Ft)	329421.804	856759.795		
(meters)	850421.541	278301.770	(meters)	100407.967	261140.908		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	44.977/13.709		Sketch				
NAVD29	45.817/13.965		Recov. Date:	July 6,2009			
Marked by:	PK						
Description:	PK set in paved apron						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371820.090 000072129 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: July 08, 2009 RINEX FILE: 50371820.090 TIME: 12:56:36 UTC SOFTWARE: page5 0810.20 master40.pl 081023 START: 2009/07/01 14:17:00 EPHEMERIS: igr15383.eph [rapid] STOP: 2009/07/01 18:21:00 NAV FILE: brdc1820.09n OBS USED: 7635 / 8111 : 94% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 40 / 43 : 93% ARP HEIGHT: 1.551432 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.4977) X: 1582642.343(m) 0.062(m) 1582641.592(m) 0.062(m) Y: -4483249.103(m) 0.029(m) -4483247.661(m) 0.029(m) Z: 4237352.814(m) 0.015(m) 4237352.744(m) 0.015(m) LAT: 41 54 0.84458 0.013(m) 41 54 0.87774 0.013(m) E LON: 289 26 37.18122 0.066(m) 289 26 37.17133 0.066(m) W LON: 70 33 22.81878 0.066(m) 70 33 22.82867 0.066(m) EL HGT: -14.456(m) 0.014(m) -15.701(m) 0.014(m) ORTHO HGT: 13.709(m) 0.029(m) [NAVD88 (Computed using GEOID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4639870.567 850421.541 Easting (X) [meters] 370904.865 278301.770 Convergence [degrees] -1.03952152 0.63388446 Point Scale 0.99980507 0.99997822 Combined Factor 0.99980734 0.99998049 US NATIONAL GRID DESIGNATOR: 19TCG7090539871(NAD 83)						

To convert meters to US survey feet
Multiply by 3.280833333

	BASE STATIONS USED				
	PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
	DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171	W0712630.865	85663.8
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669	60328.7
	DI0884	ACU6 ACUSHNET 6 CORS ARP	N414435.676	W0705311.720	32509.5
	NEAREST NGS PUBLISHED CONTROL POINT				
	LW1533	N 43	N415400.	W0703259.	548.8
	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:					



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