

Town of Plymouth Data Sheet

Station:	Point 189	Roxy Cahoon Rd		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2751502.946	908978.812	(Survey Ft)	290833.701	852676.323		
(meters)	838659.775	277057.296	(meters)	88646.289	259896.263		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	105.206/32.067		Sketch				
NAVD29	106.05/32.324		Recov. Date:	June 21, 2011			
Marked by:	Iron Rod						
Description:	3' Iron Rod set left range main house.						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> FILE: 50371720.11o 000259530 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: June 21, 2011 RINEX FILE: 5037172o.11o TIME: 22:17:23 UTC SOFTWARE: page5 1009.28 master11.pl 062011 START: 2011/06/21 14:29:00 EPHEMERIS: igu16412.eph [ultra-rapid] STOP: 2011/06/21 19:47:30 NAV FILE: brdc1720.11n OBS USED: 9524 / 10055 : 95% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 49 / 52 : 94% ARP HEIGHT: 1.594104 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.4705) X: 1583959.548(m) 0.045(m) 1583958.767(m) 0.045(m) Y: -4491109.654(m) 0.026(m) -4491108.214(m) 0.026(m) Z: 4228613.867(m) 0.019(m) 4228613.802(m) 0.019(m) LAT: 41 47 40.08243 0.028(m) 41 47 40.11581 0.028(m) E LON: 289 25 37.64668 0.037(m) 289 25 37.63553 0.037(m) W LON: 70 34 22.35332 0.037(m) 70 34 22.36447 0.037(m) EL HGT: 3.721(m) 0.028(m) 2.472(m) 0.028(m) ORTHO HGT: 32.067(m) 0.049(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4628152.191 838659.775 Easting (X) [meters] 369317.957 277057.296 Convergence [degrees] -1.04840767 0.62277583 </pre>						

To convert meters to US survey feet
Multiply by 3.2808333333

Point Scale	0.99981015	0.99998953
Combined Factor	0.99980957	0.99998894
US NATIONAL GRID DESIGNATOR: 19TCG6931728152(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 86486.0
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 63671.6
DH5837	CTPU PUTNAM CORS ARP	N415358.888 W0715320.889 109935.0
NEAREST NGS PUBLISHED CONTROL POINT		
LW4472	OLD BOARD	N414723.029 W0703415.226 552.3
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