

Town of Plymouth Data Sheet

Station:	Point 194	GURNET 4		NGS PID#		ID#	
Town:	Plymouth		Quad: Dux				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2828325.385	900100.149	(Survey Ft)	367655.818	843798.840		
(meters)	862075.302	274351.074	(meters)	112061.717	257190.401		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	5.804/1.769		Sketch				
NAVD29	6.64/2.024		Recov. Date:	August 25, 2011			
Marked by:	SB/Dh						
Description:	Stone Bound drill Hole in marsh up 1'						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50372370.110 000306991 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: August 25, 2011 RINEX FILE: 5037237n.11o TIME: 19:11:55 UTC SOFTWARE: page5 1108.09 master11.pl 060711 START: 2011/08/25 13:52:00 EPHEMERIS: igu16504.eph [ultra-rapid] STOP: 2011/08/25 17:14:00 NAV FILE: brdc2370.11n OBS USED: 7436 / 7555 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 30 / 32 : 94% ARP HEIGHT: 1.258824 OVERALL RMS: 0.011(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.6484) X: 1576432.442(m) 0.002(m) 1576431.657(m) 0.002(m) Y: -4477138.424(m) 0.017(m) -4477136.987(m) 0.017(m) Z: 4246043.146(m) 0.018(m) 4246043.084(m) 0.018(m) LAT: 42 0 19.92799 0.009(m) 42 0 19.96155 0.009(m) E LON: 289 23 51.11036 0.008(m) 289 23 51.09892 0.008(m) W LON: 70 36 8.88964 0.008(m) 70 36 8.90108 0.008(m) EL HGT: -26.292(m) 0.020(m) -27.534(m) 0.020(m) ORTHO HGT: 1.769(m) 0.035(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4651632.871 862075.301 Easting (X) [meters] 367296.965 274351.074 Convergence [degrees] -1.07253247 0.60289708						

To convert meters to US survey feet
Multiply by 3.280833333

	Point Scale 0.99981669 0.99997032 Combined Factor 0.99982081 0.99997444 US NATIONAL GRID DESIGNATOR: 19TCG6729651632(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 37475.5 DI0966 XMTS MTS FOX COOP CORS ARP N420350.018 W0711501.669 54047.7 DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 76706.1 NEAREST NGS PUBLISHED CONTROL POINT MY3956 GURNET DAT 1940 RM 1 RES N420017.302 W0703558.726 247.2 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