

GPS Geodetic Network Datasheet

WINW0000-0004

DOWAMISH

AUGUST 25, 2003

Horizontal Datum: NAD 83/91
Vertical Datum: NAVD 88
State Plane units: Washington North Zone
USFEET

WLS84

NAVD88

USFT

USFT

Station Name	Latitude	Longitude	Northing	Easting	Orthometric Height	Scale Factor	Meridian Convergence	Ellipsoidal Height	Geoid Undulation
2000	+47 34 10.963249	-122 20 46.942546	211485.414	1268932.893	14.734	0.9999877254	-1 7 35.359443	-62.7033	-77.4408
2001	+47 32 29.746457	-122 20 8.444231	201180.004	1268372.097	14.108	0.9999825003	-1 7 6.696665	-62.8116	-76.9159
2002	+47 31 42.269224	-122 18 50.674280	196266.924	1274614.259	11.959	0.9999948218	-1 6 8.795356	-64.7013	-76.6632
2003	+47 30 45.807547	-122 18 17.701823	190503.668	1276767.233	16.535	0.9999976507	-1 5 44.246691	-59.7866	-76.3220
2004	+47 30 41.559220	-122 17 48.659470	190035.273	1278752.357	11.827	0.9999978665	-1 5 22.624069	-64.4782	-76.3056
2005	+47 32 8.066810	-122 19 23.760953	198924.159	1272394.666	13.629	0.9999935539	-1 6 33.428056	-63.1889	-76.8174
SY0280	+47 36 13.571650	-122 20 19.183770	223968.840	1269078.984	16.063	0.9999822595	-1 7 14.692470	-61.8175	-77.8804
SY4354	+47 34 16.909910	-122 16 38.067470	211760.039	1284004.857	20.997	0.999974522	-1 4 30.089226	-56.5091	-77.5064
SY4596	+47 35 42.537420	-122 23 14.845970	220964.243	1256980.239	17.060	0.9999836101	-1 9 25.476549	-60.5937	-77.6540
W142	+47 31 24.021090	-122 23 36.880100	194806.379	1254939.334	21.480	0.9999857280	-1 9 41.881406	-54.8752	-76.3548
W2672	+47 29 4.533740	-122 15 16.143460	180009.758	1288038.993	236.486	1.0000028097	-1 3 28.072800	160.6493	-75.8365

TBM #1

TBM #2

TBM #3

TBM #4

11.004

10.568

10.559

15.135

-19.2597 M

Next Seattle right turn bridge
Dumayish
WSDOT
WSBOT

To Calculate Elevation Factor (in North American Continent)
Divide 20,906,000 by 20,906,000 + Ellipsoid Elevation in feet (US or International, error introduced is negligible)
(20,906,000 USft = 6,372,161.54m)
8/25/03