

HORIZONTAL CONTROL DATA

State Plane in International Feet, Elevations in U.S. Survey Feet  
Retrieval Date and Time: 08/19/1999 08:27:07

Station Number: 195	GEODETTIC DATUM: NAD 83/91
Station Name: LITTLE AZIMUTH	LAT.: 43°44' 13.93540" N
Section: 17 Township: 21S Range: 5W	LONG: 123°18' 52.02967" W
1/4 Section: SE County: DOUGLAS	SPCS DATUM: ORS3602
Date Set: 06/09/1999 State: OR	Northing: 767108.348+/-0.023
Firm: David Evans and Associates, Inc.	Easting: 4177575.100+/-0.016

Addr: 2828 S.W. Corbett  
Portland, Oregon 97201-4830  
(503) 223-6663

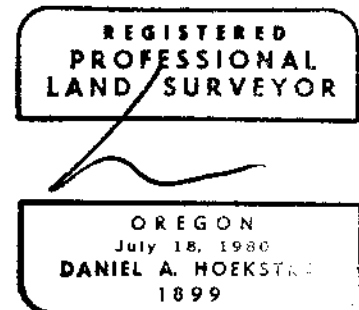
VERTICAL DATUM: NAVD88  
 GEOID MODEL:GEO96NW  
 Orthometric Elev.: 1232.680  
 +/-0.049  
 Ellipsoidal Elev.: 1157.607  
 Separation: -75.073  
 Convergence: -1°55'31.80136"  
 Scale Factor: 0.99994383

GPS: YES Type:  
Group: C Order: 1  
PPM: 10

Statement per ORS 209.250(6)(g)  
Survey was done for Bonneville Power for a proposed line. Equipment used includes Kern tripods, Trimble 4000ssi's 4800's, GPsurvey and Geolab2. Horizontal controls are PID's PC0964, AA5135, QE2665, OA0733, AA5127, PC1116, AA5126, PC1117, vertical controls are PID's AA5127, OA0733, OA0660, OA0616, PC0512, PC0419, PC0689, PC0738, PC0591 and OSHD Benchmarks Y596, M675, J675.

Directions to the Monument:  
STATION IS LOCATED 5.3 MILES NORTH OF DRAIN, 0.7 MILES WEST OF SAND CREEK.  
STATION WAS REACHED BY HELICOPTER BUT COULD PROBABLY BE DRIVEN TO. STATION IS LOCATED NEAR THE TOP OF A HILL.

Monument Type: 3 1/4 inch Aluminum BPA cap on Aluminum rod  
Stamping: LITTLE AZIMUTH 1999  
Description of the Monument:  
STATION IS A STANDARD BPA ALUMINUM CAP MOUNTED ON A ROD DRIVEN TO REFUSAL. STATION IS LOCATED AT THE TOP OF A HILL WITH A 360 DEGREE VIEW.



6-30-2001  
SURVEYOR'S STAMP

1 meter = 3.28083333... U.S. Feet = 39.37 inches exactly  
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54 cm. exactly  
To calculate Elevation Factor (in the North American Continent)  
Divide 20,906,000 by 20,906,000 + Ellipsoid Elevation in feet