

FILED JUL 5 2000

HORIZONTAL CONTROL DATA

State Plane in International Feet, Elevations in U.S. Survey Feet  
Retrieval Date and Time: 08/19/1999 08:27:01

Station Number: 165	GEODETIC DATUM: NAD 83/91
Station Name: APOISON	LAT.: 43°12' 27.50131" N
Section: 22 Township: 27S Range: 5W	LONG: 123°17' 04.17865" W
1/4 Section: NW County: DOUGLAS	SPCS DATUM: ORS3602
Date Set: 05/18/1999 State: OR	Northing: 573936.824+/-0.016
Firm: David Evans and Associates, Inc.	Easting: 4179072.117+/-0.013
Addr: 2828 S.W. Corbett	VERTICAL DATUM: NAVD88
Portland, Oregon 97201-4830	GEOID MODEL: GEO96NW
(503) 223-6663	Orthometric Elev.: 1089.568
	+/-0.023
	Ellipsoidal Elev.: 1012.258
GPS: YES Type:	Separation: -77.310
Group: C Order: 1	Convergence: -1°54'18.01537"
PPM: 10	Scale Factor: 0.99989484

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:  
 FROM ROSEBURG TAKE HIGHWAY 138 EAST TO BUCKHORN ROAD. TURN RIGHT (SOUTH) ON BUCKHORN ROAD AND GO 0.10 MILES TO A GRAVEL ROAD ON THE RIGHT. TURN RIGHT ON GRAVEL ROAD AT MAILBOX #211 AND MAILBOX #215. GO OVER METAL BRIDGE AND STAY TO THE RIGHT ON MAIN GRAVEL ROAD FOR 1.1 MILE TO MONUMENT SET AT ANGLE POINT IN EXISTING POWERLINES.

Monument Type: 3 1/4 inch Aluminum BPA cap on Aluminum rod  
 Stamping: APOISON 1999  
 Description of the Monument:

STATION IS A STANDARD BPA ALUMINUM CAP MOUNTED ON A ROD DRIVEN TO REFUSAL AND SET IN CONCRETE.  
 STATION IS LOCATED AT ANGLE POINT IN POWER LINE.  
 NORTHMOST OF NORTH 3 POLES BEARS N 50° E 42 FEET,  
 SOUTHMOST OF NORTH 3 POLES BEARS EAST 31 FEET,  
 NORTHMOST OF SOUTH 3 POLES BEARS S 10° E 66 FEET,  
 SOUTHMOST OF SOUTH 3 POLES BEARS S 5° E 109 FEET,  
 CARSONITE POST BEARS NORTH 4 FEET.



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.

C.S. File No. 65/31-2A