

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 08:26:49

Station Number: 121	GEODETTIC DATUM: NAD 83/91
Station Name: LUTS	LAT.: 43°36' 28.75104" N
Section: 2 Township: 23S Range: 9W	LONG: 123°44' 08.62921" W
1/4 Section: NE County: DOUGLAS	SPCS DATUM: ORS3602
Date Set: 06/09/1999 State: OR	Northing: 724064.896+/-0.026
Firm: David Evans and Associates, Inc.	Easting: 4064490.105+/-0.016
Addr: 2828 S.W. Corbett	VERTICAL DATUM: NAVD88
Portland, Oregon 97201-4830	GEOID MODEL: GEO96NW
(503) 223-6663	Orthometric Elev.: 1059.122
	+/-0.052
GPS: YES Type:	Ellipsoidal Elev.: 982.033
Group: C Order: 1	Separation: -77.088
PPM: 10	Convergence: -2°12'49.37893"
	Scale Factor: 0.99992398

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:  
 TO REACH FROM ELKTON OREGON, HEAD WEST ON HIGHWAY 38, 23 MILES TO MILL CREEK ROAD/LOON LAKE, TURN-OFF AT MILEPOST 13-2, TURN LEFT (SOUTH) TOWARD LOON LAKE FOR 5 MILES TO LAMP CREEK ROAD ON LEFT, TURN LEFT AND TRAVEL MAIN PAVED ROAD FOR 11.5 MILES TO GRAVEL LOGGING ROAD ON LEFT, TURN LEFT AND GO UP HILL 0.65 MILES TO CROSSROADS, TURN LEFT AND FOLLOW MAIN GRAVEL ROAD 1.3 MILES, TURN RIGHT AND GO 0.1 MILES TO THE STATION ON TOP OF CLEARED KNOLL.

Monument Type: 3 1/4 inch Aluminum BPA cap on Aluminum rod  
 Stamping: LUTS 1999

Description of the Monument:  
 STATION IS A STANDARD BPA ALUMINUM CAP MOUNTED ON A ROD DRIVEN TO REFUSAL AND SET IN CONCRETE, 3 INCHES ABOVE THE GROUND. STATION IS SET ON TOP OF A LOGGED RIDGE, CLEAR CUT ALL AROUND, 150 FEET SOUTH AND 60 FEET UP FROM GRAVEL ROAD JUNCTION, A 3 FOOT DIAMETER. FIR TREE WITH BROKEN TOP BEARS NORTHEAST 60 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. 65/31-12