Bonneville Power Administration Geodetic Control Data Sheet

Station: Project: Section: County: Surveyor:	MJ009 (109) Wallula-Smiths Harbor-M SW 1/4 9 Umatilla M R Heidecke	Township:	5 North OR	Range: USGS Quad: Date Surveyed:	_28 East Umatilla, Oreg _July, 2001		_Willamette
Instrument: The horizontal coordinates and orthometric elevation were established by GPS observations using six Trimble 4000 SSI dual frequency receivers with Compact L1/L2 antennae with ground plane.							
Adjustment: The Basis of Coordinates for this survey is the Oregon State Coordinate System, North Zone, NAD 83 (1998). The horizontal component of the least squares adjustment was constrained by holding NGS Stations B 340 (A), B 502 (B), PENDLETON (B), STANFIELD EAST BASE RESET (B), and BURDEN (B). The vertical component of the least squares adjustment was constrained by holding NGS Benchmarks B 340 (First Order Class II), B 502 (First Order Class II), BURDEN (Second Order Class II), V 203 (Second Order Class 0), G 640 (First Order Class I). The elevation for point 106, 201, 249, and 255 were determined by differential leveling from G 640, D 502, E 525 and F 431 respectively and held.							
Horizontal Dat		· _	Linear Unit: Linear Unit:	_International Fed_ _U.S. Survey Fed			
Northing: Orthometric Combined F	Factor: 0.99997026 : 95% Confidence ("1.96 : Northing-0.008	Easting Sigma") Value Easting-0.0	006	one - 3601 235.19 0-50-17 Elevation-0.105	-4		
Monumentation: BPA 31⁄4-inch Aluminum Cap on 5/8-inch aluminum rod flush with ground.							

To-Reach Description:

Stamping: Punched not stamped

Begin at Umatilla Post Office, Umatilla, OR. 97882. Drive east on Highway 730, 0.9 miles to junction of Highway 730 and Highway 395. Turn left (north) at stop light. Drive 0.7 mile, on Denore Road, cross railroad tracks to stop sign. Turn left drive 0.2 miles to junction with 3rd Street. Turn left (west) onto 3rd Street, drive 1.0 miles (past McNary Substation). Turn left (south) onto 15' gravel drive. Station is 300 feet south on gravel drive, 15 feet right of edge of gravel. Witness post is a yellow carsonite marker inscribed with BPA logo, bearing and distance to station, and marked "West Base Mon. (HPP-04)."

NOUNTED 22
Own 183 County Scarner
Date
Redd By
in 02-199