Bonneville Power Administration Geodetic Control Data Sheet

WM001 (201) Station: Project: Wallula-Smiths Harbor-McNary Section: NW 1/4 34 Township: 8 North Range: 31 East Meridian: Willamette Walla Walla County: State: USGS Quad: Humorist, Washington M R Heidecke Surveyor: Date Surveyed: July, 2001

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 Washington State Coordinate System, South 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 Datum:	NAD83 (1998)	Linear Unit:	U.S. Survey Feet
Vertical Datum:	_NAVD88	Linear Unit:	U.S. Survey Feet

			Longitude: W 118-55-47.34242			
US State Plane Coordinate System:			Washington South Zone - 4602			
Northing: 2	97,594.199	Easting	2,038,423.995			
Orthometric E	levation: 381.84		Ellipsoid Height:	310.81		
Combined Fac	otor: 0.99992996		Convergence: -			
Confidence: 95% Confidence ("1.96 Sigma") Values						
	Northing-0.013		009	Elevation-0.000		

Monumentation: BPA 31/4-inch Aluminum Cap on 5/8-inch aluminum rod, flush with ground. Stamping: U.S.D.O.E. Bonneville Pwr. Adm., WM001 - FEC-01 - ATB - GPS

To-Reach Description:

Begin at Wallula Post Office in Wallula, WA. 99363. Drive north on Columbia Way (County Road #1870) 0.2 miles, to intersection of Columbia Way and Washington State Highway #12. Drive north on Washington State Highway #12, 3.8 miles to intersection of Highway #12 and Dodd-Iowa Beef Road. Turn right and drive east on Dodd-Iowa Beef Road 0.2 miles to the station on right. Station is 45 feet south of centerline of Dodd-Iowa Beef Road in centerline of canal bank road 125 feet east of the canal crossing of Rainier Lane, private road.

Witness post is a yellow carsonite marker inscribed with BPA logo, bearing and distance to station.

