Bonneville Power Administration Geodetic Control Data Sheet

Station: WM008 (208) Project: Wallula-Smiths Harbor-McNary Section: SE 1/4 35 Township: 8 North Range: 31 East Meridian: Willamette County: Walla Walla State: WA **USGS Quad:** Humorist, Washington Surveyor: M R Heidecke 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 FeetVertical Datum:NAVD88Linear Unit:U.S. Survey Feet

	N 46-07-47		Longitude: W 118-53-40.13959		
US State Plane Coordinate System:				_ีWashington Soเ	uth Zone - 4602
	294,624.23	9	Easting	2,047,443.339	
Orthometric	Elevation:	441.43		Ellipsoid Height:	370.52
Combined I	actor:	0.99992829		Convergence: -	1-09-58
Confidence: 95% Confidence ("1.96 Sigma") Values					
	Northing-0.012		Easting-0.008		Elevation-0.103

Monumentation: BPA 3¼-inch Aluminum Cap on 5/8-inch aluminum rod, flush with ground. Stamping: U.S.D.O.E. Bonneville Pwr. Adm., WM008 - FEC-01 - ATB - GPS

To-Reach Description:

Begin at Wallula Post Office at 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-lowa Beef Road. Turn right and drive east on Dodd-lowa Beef Road 2.8 miles to intersection of gravel road running northeast-southwest. Drive southwesterly on gravel road 1.0 miles to intersection of Union Pacific Railroad and railroad access road. Drive northeasterly on railroad access road running on east side of Union Pacific track 0.2 miles to station 70 feet east of railroad centerline and 30 feet west of railroad right-of-way fence. Witness post is a yellow carsonite marker inscribed with BPA logo, bearing and distance to station.

creatile County Survey