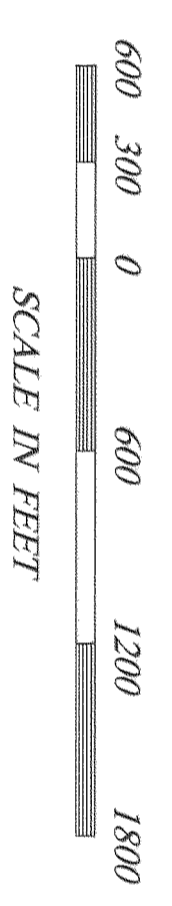


**COLUMBIA GORGE NATIONAL SCENIC AREA BOUNDARY LINE TABLE**

LINE	BEARING	DIST	LINE	BEARING	DIST
L1	S03°18'55\"W	166.51	L31	S5°40'59\"W	145.33
L2	S33°46'54\"W	137.89	L32	S01°12'35\"W	199.07
L3	S28°44'42\"W	274.39	L33	S42°33'56\"W	132.22
L4	S21°32'00\"W	166.27	L34	S55°48'13\"W	105.88
L5	S06°20'00\"W	134.10	L35	S08°36'57\"W	140.22
L6	S14°44'56\"W	113.85	L36	S26°02'24\"W	85.44
L7	S60°06'22\"W	145.70	L37	S50°46'33\"W	212.44
L8	S77°43'09\"W	182.50	L38	S31°51'53\"W	294.44
L9	S68°20'59\"W	61.02	L39	S32°04'08\"W	413.22
L10	S37°03'25\"W	169.61	L40	S18°21'8\"W	622.72
L11	S23°41'30\"W	254.22	L41	S27°33'38\"W	349.50
L12	S16°40'56\"W	96.03	L42	S55°03'22\"W	611.34
L13	S42°53'56\"W	197.31	L43	S45°28'37\"W	160.43
L14	S53°26'36\"W	76.61	L44	S33°25'17\"W	232.86
L15	S64°22'56\"W	104.34	L45	S46°31'7\"W	196.66
L16	N72°50'44\"W	89.00	L46	S26°40'02\"W	199.43
L17	N64°01'29\"W	224.51	L47	S39°41'16\"W	599.86
L18	N44°21'29\"W	262.13	L48	S56°33'02\"W	337.16
L19	S38°27'34\"W	793.74	L49	S85°14'41\"W	179.57
L20	S49°09'04\"W	224.26	L50	N80°03'29\"W	173.29
L21	S63°23'05\"W	105.29	L51	S84°34'13\"W	158.47
L22	S68°39'56\"W	268.07	L52	S58°28'21\"W	250.03
L23	S45°27'11\"W	234.04	L53	S08°38'28\"W	120.59
L24	S79°41'56\"W	249.38	L54	S00°30'27\"W	112.62
L25	N81°39'04\"W	573.61	L55	S23°41'16\"W	199.36
L26	S33°44'54\"W	264.03	L56	S36°58'43\"W	100.61
L27	S07°39'59\"W	564.57	L57	S37°28'53\"W	176.53
L28	S47°18'09\"W	688.59	L58	S03°33'29\"W	259.91
L29	S42°21'44\"W	467.48	L59	S16°07'18\"W	161.58
L30	S39°46'02\"W	232.59	L60	N89°37'44\"W	239.61



BASIS OF BEARING OREGON NAD 83  
 DISTANCES SHOWN ARE GRID. TO CONVERT TO GROUND,  
 MULTIPLY BY 1.00015  
 THETA ANGLE = -1° 30' 04\"

EQUIPMENT USED:  
 GEOTRONICS MODEL 2102 GPS RECEIVERS  
 GEODIMETER 600M TOTAL STATION

**REGISTERED PROFESSIONAL LAND SURVEYOR**  
 OREGON JULY 15, 1983  
 RICHARD J. ARNOLD  
 0038

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- LEGEND**
- FOUND MONUMENT OF RECORD UNLESS NOTED
  - HOOD RIVER COUNTY FOREST LAND TO BE TRADED TO THE UNITED STATES OF AMERICA
  - COLUMBIA GORGE NATIONAL SCENIC AREA BOUNDARY AS LEGISLATED UNDER THE OREGON ACT (PUBLIC LAW 99-663, NOVEMBER 17, 1986)
  - 5/8\" X 30\" IRON ROD WITH PLASTIC CAP WITH "COUNTY SURVEYOR" AFFIXED
  - CALCULATED POSITION NOT SET
  - APPROXIMATE LOCATION OF UNIMPROVED AND GRAVEL ROADS

**SURVEYOR'S CERTIFICATE**

I, RICHARD J. ARNOLD, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, HEREBY CERTIFY THAT THIS PLAT AND NOTES HEREON, ARE A CORRECT REPRESENTATION OF A SURVEY I PERFORMED DURING SEPTEMBER AND NOVEMBER, 1999 AT THE REQUEST OF THE CRGNSA AND HOOD RIVER COUNTY, IN ACCORDANCE WITH THE STATUTES OF THE STATE OF OREGON.

DATE 12/15/99 RICHARD J. ARNOLD  
 HOOD RIVER COUNTY, SURVEYOR

**NARRATIVE**

THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE HOOD RIVER COUNTY BOARD OF COMMISSIONERS AND THE COLUMBIA RIVER GORGE NATIONAL SCENIC AREA IN ORDER TO LOCATE AND MONUMENT A PORTION OF THE SCENIC AREA BOUNDARY AND TO CALCULATE THE AREA OF A PROPOSED TRIPARTITE EXCHANGE. CONTROL FOR THIS JOB WAS DONE USING SURVEY GRADE GPS RECEIVERS. THE FOLLOWING CORNERS WERE TIED: CORNER COMMON TO SECTIONS 11, 12, 13, AND 14, TOWNSHIP 2 NORTH, RANGE 9 EAST, WILLAMETTE MERIDIAN; THE CORNER COMMON TO SECTIONS 1, 6, 7 AND 12, TOWNSHIP 2 NORTH, RANGE 9 EAST AND TOWNSHIP 2 NORTH, RANGE 10 EAST, WILLAMETTE MERIDIAN; THE NORTHEAST CORNER OF SECTION 1, TOWNSHIP 2 NORTH, RANGE 9 EAST; WILLAMETTE MERIDIAN; AND THE 1/4 CORNER COMMON TO SECTIONS 6 AND 7, TOWNSHIP 2 NORTH, RANGE 10 EAST, WILLAMETTE MERIDIAN. THE REMAINING CORNERS NEEDED WERE CALCULATED FROM PREVIOUS SURVEYS PERFORMED BY THE COUNTY SURVEY DEPARTMENT. THREE PAIRS OF INTER-VISIBLE GPS CONTROL POINTS WERE SET AT APPROXIMATELY ONE MILE INTERVALS ALONG THE LENGTH OF THE PROJECT. THESE POINTS WERE USED TO CONTROL THE TRAVERSE ALONG THE RIDGE THAT DENIED THE BOUNDARY. THE CLOSURE OF EACH LOOP EXCEEDED 1 IN 5000. MONUMENTS SET ALONG THE BOUNDARY WERE 5/8\" X 30\" REBAR WITH RED OR YELLOW PLASTIC CAPS MARKED "COUNTY SURVEYOR".

HOOD RIVER COUNTY SURVEY OFFICE  
 918 18TH STREET  
 HOOD RIVER, OREGON

**CADAstral SURVEY**  
**COLUMBIA GORGE NATIONAL SCENIC AREA BOUNDARY**  
 SECTIONS 1 AND 12, TOWNSHIP 2 NORTH, RANGE 9 EAST, WILLAMETTE MERIDIAN  
 SECTIONS 6 AND 7, TOWNSHIP 2 NORTH, RANGE 10 EAST, WILLAMETTE MERIDIAN  
 HOOD RIVER COUNTY, OREGON  
 NOVEMBER 1999