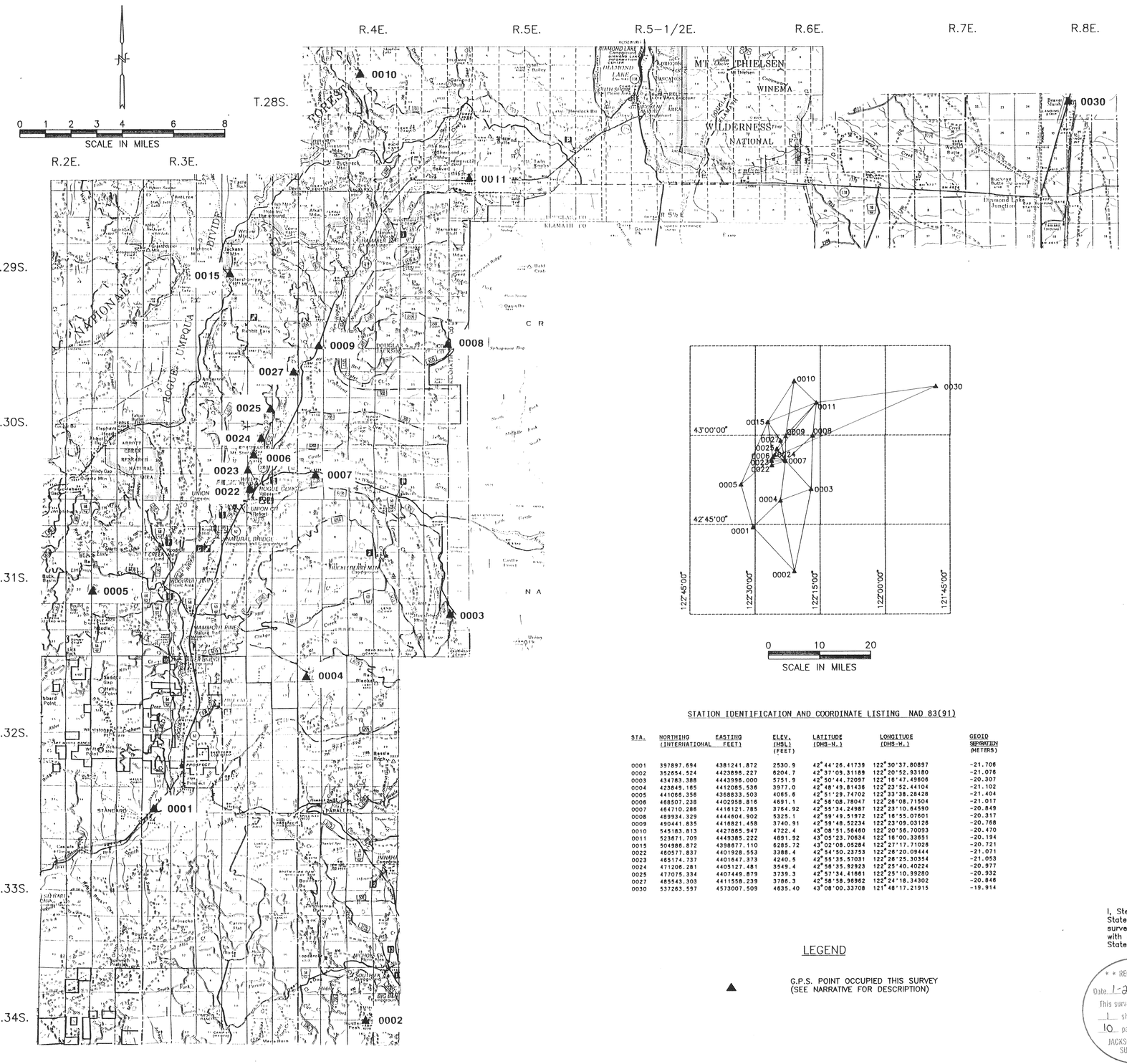
13324

SURVEY NO. _____



SUMMARY OF COVARIANCES
NETWORK = ROGUE92

FROM	TO	GRID AZIMUTH	1.00σ	GRID DISTANCE INT.FEET	1.00σ M	MSL DELTA H FEET	1.00σ M	HOR PREC
0001	0002	136°41'13"	0.00	62179.89	0.0000	+3673.80	0.0324	1= CONTROL
0001	0003	59°33'14"	0.13	72791.72	0.0107	+3221.00	0.0353	1: 2071530
0001	0004	49°55'23"	0.15	40308.94	0.0078	+1446.90	0.0247	1: 1584915
0001	0005	343°57'48"	0.16	44916.60	0.0154	+1535.60	0.0325	1: 890993
0001	0006	17°05'46"	0.10	73873.77	0.0121	+2160.20	0.0349	1: 1864832
0001	0007	27°34'01"	0.10	75369.30	0.0116	+1234.02	0.0365	1: 1988121
0001	0008	34°32'44"	0.11	111739.05	0.0151	+2794.20	0.0459	1: 2120646
0001	0009	21°01'47"	0.10	99148.00	0.0231	+1210.01	0.0365	1: 1310072
0001	0010	17°33'55"	0.08	154489.50	0.0207	+2191.50	0.0550	1: 2279092
0001	0011	28°26'55"	0.08	143047.61	0.0173	+2361.02	0.0365	1: 2518776
0001	0015	9°14'50"	0.09	108499.21	0.0184	+3754.82	0.0365	1: 1801078
0001	0022	18°15'53"	0.12	66005.60	0.0137	+ 857.50	0.0371	1: 1473143
0001	0023	16°52'22"	0.12	70303.52	0.0112	+1709.60	0.0383	1: 1513295
0001	0024	18°02'48"	0.11	77101.69	0.0136	+1018.50	0.0415	1: 1733450
0001	0025	18°18'53"	0.10	83402.39	0.0139	+1208.49	0.0432	1: 1825391
0001	0027	19°04'49"	0.14	92740.69	0.0298	+1256.30	0.0576	1: 949905
0001	0030	53°59'32"	0.00	237058.88	0.0000	+2110.50	0.0365	30=CONTROL
0002	0003	13°45'07"	0.10	84552.65	0.0131	- 452.80	0.0413	1: 1959973
0002	0004	350°34'51"	0.07	72167.65	0.0091	-2227.70	0.0351	1: 2422607
0002	0030	38°55'42"	0.00	237307.15	0.0000	-1569.30	0.0514	2= CONTROL
0003	0004	251°05'09"	0.25	33731.81	0.0093	-1774.90	0.0268	1: 1101710
0003	0005	274°46'42"	0.16	75424.64	0.0133	-1686.30	0.0395	1: 1734752
0003	0006	309°24'17"	0.15	53116.37	0.0127	-1060.80	0.0346	1: 1275240
0003	0007	317°02'02"	0.17	40897.32	0.0123	-1986.98	0.0321	1: 1010009
0003	0008	0°37'57"	0.17	55154.30	0.0156	- 426.80	0.0383	1: 1078368
0003	0009	333°58'36"	0.17	61938.02	0.0223	-2010.99	0.0321	1: 847581
0003	0010	351°41'15"	0.09	111572.54	0.0199	-1029.50	0.0488	1: 1707241
0003	0011	3°28'10"	0.10	89051.54	0.0166	- 859.98	0.0321	1: 1630446
0003	0015	327°09'23"	0.12	83560.34	0.0177	+ 533.82	0.0321	1: 1443010
0003	0022	301°30'55"	0.19	49345.96	0.0132	-2363.50	0.0370	1: 1141487
0003	0023	305°39'54"	0.18	52125.24	0.0140	-1511.40	0.0383	1: 1136185
0003	0024	313°08'22"	0.15	53267.15	0.0145	-2202.50	0.0398	1: 1116038
0003	0025	319°10'06"	0.15	55894.79	0.0145	-2012.60	0.0412	1: 1176910
0003	0027	327°25'11"	0.30	60239.33	0.0233	-1965.60	0.0546	1: 787992
0003	0030	51°32'17"	0.06	164760.93	0.0109	+1116.50	0.0321	1: 4589421
0004	0005	291°42'21"	0.21	46552.87	0.0112	+ 88.60	0.0315	1: 1262801
0004	0006	348°26'58"	0.11	45581.14	0.0105	+ 714.10	0.0276	1: 1323764
0004	0007	5°38'29"	0.12	41059.99	0.0100	- 212.08	0.0270	1: 1250285
0004	0008	26°12'04"	0.14	73652.96	0.0145	+1348.10	0.0377	1: 1553205
0004	0009	4°04'04"	0.11	66760.86	0.0227	- 236.09	0.0270	1: 894904
0004	0010	7°24'36"	0.08	122356.52	0.0188	+ 745.40	0.0465	1: 1983890
0004	0011	20°29'19"	0.09	106563.63	0.0154	+ 914.92	0.0270	1: 2106920
0004	0015	350°38'59"	0.10	82238.15	0.0167	+2308.72	0.0270	1: 1505394
0004	0022	344°32'30"	0.16	38107.21	0.0123	- 588.60	0.0306	1: 947747
0004	0023	345°49'28"	0.16	42623.450	0.0126	+ 263.50	0.0320	1: 1031885
0004	0024	351°38'29"	0.13	47865.55	0.0125	- 427.60	0.0345	1: 1162664
0004	0025	355°01'21"	0.12	53427.66	0.0125	- 237.70	0.0362	1: 1298552
0004	0027	359°03'37"	0.22	61696.39	0.0275	- 190.70	0.0519	1: 685072
0004	0030	54°49'29"	0.03	196872.33	0.0077	+ 658.40	0.0270	1: 7802563
0005	0006	51°11'47"	0.19	43789.71	0.0101	+ 625.50	0.0273	1: 1320085
0005	0007	63°26'07"	0.17	52869.81	0.0100	- 300.68	0.0293	1: 1615566
0005	0010	29°33'08"	0.09	119688.24	0.0178	+ 656.80	0.0459	1: 2046541
0005	0011	44°16'44"	0.10	115378.61	0.0160	+ 826.32	0.0293	1: 2200368
0005	0015	25°01'38"	0.12	70544.12	0.0144	+2220.12	0.0293	1: 1491105
0005	0030	64°46'21"	0.04	225700.98	0.0110	+ 569.80	0.0293	1: 6233068
0006	0007	106°05'26"	0.28	13699.66	0.0045	- 926.18	0.0138	1: 931086
0006	0009	32°17'34"	0.32	25948.01	0.0185	- 950.19	0.0138	1: 428285
0006	0010	17°59'44"	0.10	80620.48	0.0153	+ 31.30	0.0336	1: 1601551
0006	0011	40°05'02"	0.11	72100.83	0.0119	+ 200.82	0.0138	1: 1845482
0006	0015	353°18'20"	0.17	36730.05	0.0135	+1594.62	0.0138	1: 826456
0006	0022	187°24'11"	0.47	7996.05	0.0077	-1302.70	0.0165	1: 316053
0006	0023	201°28'52"	1.26	3581.26	0.0079	- 450.60	0.0170	1: 137682
0006	0024	38°46'54"	1.48	3462.36	0.0059	-1141.70	0.0207	1: 178553
0006	0025	27°39'42"	0.45	9673.77	0.0069	- 951.80	0.0226	1: 427819
3006	0030	67°59'06"	0.05	183422.99	0.0101	- 55.70	0.0138	1: 5525081
0007	0008	48°28'21"	0.25	38046.55	0.0114	+1560.18	0.0284	1: 1017683
3007	0009	1°33'27"	0.22	25741.06	0.0206	- 24.01	0.0000	1: 380431
0007	0010	8°18'11"	0.10	81325.97	0.0156	+ 957.48	0.0307	1: 1589755
0007	0011	29°25'47"	0.11	67697.16	0.0116	+1127.00	0.0000	1: 1772078
0007	0015	336°34'53"	0.16	43892.14	0.0130	+2520.80	0.0000	1: 1027370
0007	0022	253°46'00"	0.39	14782.59	0.0068	- 376.52	0.0199	1: 665270
0007	0023	271°50'16"	0.43	14481.86	0.0078	+ 475.58	0.0215	1: 563425
0007	0024	300°34'36"	0.35	12769.99	0.0077	- 215.52	0.0221	1: 503785
0007	0025	324°57'26"	0.29	15102.86	0.0078	- 25.62	0.0239	1: 589771
0007	0027	347°38'40"	0.65	21326.99	0.0237	+ 21.38	0.0447	1: 274055
0007	0030	65°10'53"	0.05	172849.97	0.0100	+ 870.48	0.0000	1: 5257602
0008	0011	8°503453	0.26	34074.36	0.0132	- 433.18	0.0284	1: 786268
0008	0030	69°45'58"	0.09	136847.69	0.0154	- 689.70	0.0284	1: 2703377
0009	0010	11°24'24"	0.14	55845.01	0.0227	+ 981.49	0.0307	1: 750152
0009	0011	44°25'12"	0.23	46525.51	0.0175	+1151.01	0.0000	1: 811374
0009	0015	308°43'00"	0.58	23254.58	0.0159	+2544.81	0.0000	1: 446620
0009	0030	73°18'44"	0.10	163053.24	0.0147	+ 894.49	0.0000	1: 3370572
0010	0011	134°59'26"	0.26	30427.78	0.0114	+ 169.52	0.0307	1: 815557
0010	0015	215°59'06"	0.16	49676.78	0.0132	+1563.32	0.0307	1: 1145755
0010	0030	93°07'24"	0.10	145357.50	0.0178	- 87.00	0.0307	1: 2493471
0011	0015	249°46'20"	0.18	54041.06	0.0113	+1393.80	0.0000	1: 1459031
0011	0022	216°56'56"	0.11	78949.17	0.0139	-1503.52	0.0199	1: 1731427
0011	0023	219°13'01"	0.12	75503.63	0.0142	- 651.42	0.0215	1: 1620309
0011	0024	220°08'59"	0.14	68639.41	0.0125	-1342.52	0.0221	1: 1674340
0011	0025	221°59'11"	0.14	62688.08	0.0123	-1152.62	0.0239	1: 1552808
0011	0027	224°46'21"	0.24	53708.99	0.0276	-1105.62	0.0447	1: 594005
0011	0030	83°43'33"	0.10	124367.24	0.0154	- 256.52	0.0000	1: 2464010
0015	0022	175°48'45"	0.17	44527.90	0.0154	-2897.32	0.0199	1: 878860
0015	0023	175°44'00"	0.20	39922.78	0.0155	-2045.22	0.0215	1: 785447
0015	0024	169°11'22"	0.21	34390.92	0.0151	-2736.32	0.0221	1: 696334
0015	0025	162°33'06"	0.25	29257.74	0.0146	-2546.42	0.0239	1: 611775
0015	0027	146°28'34"	0.72	23323.29	0.0196	-2499.42	0.0447	1: 362973
0015	0030	79°30'38"	0.07	177293.19	0.0147	-1650.32	0.0000	1: 3684925
0022	0023	356°29'54"	1.03	4605.49	0.0084	+ 852.10	0.0193	1: 166394
0022	0030	65°51'21"	0.05	187479.91	0.0114	+1247.00	0.0199	1: 5030062
0023	0030	67°11'03"	0.05	185906.16	0.0123	+ 394.90	0.0215	1: 4595063
0024	0025	21°35'20"	0.81	6311.84	0.0081	+ 189.90	0.0260	1: 237748
0024	0030	68°31'17"	0.06	180408.63	0.0112	+1086.00	0.0221	1: 4890782
0025	0030	70°01'17"	0.06	176158.89	0.0117	+ 896.10	0.0239	1: 4599206
0027	0030	72°14'14"	0.10	169531.28	0.0240	+ 849.10	0.0447	1: 2154319

STATION IDENTIFICATION AND COORDINATE LISTING NAD 83(91)

STA.	NORTHING (INTERNATIONAL FEET)	EASTING FEET)	ELEV. (MSL) (FEET)	LATITUDE (DMS-N.)	LONGITUDE (DMS-W.)	GEOID SEPARATION (METERS)
0001	397897.694	4381241.872	2530.9	42°44'26.41739	122°30'37.80897	-21.708
0002	352654.524	4423896.227	6204.7	42°37'09.31188	122°20'52.93180	-21.076
0003	434783.388	4443996.000	5751.9	42°50'44.72097	122°16'47.49606	-20.307
0004	423849.165	4412085.536	3977.0	42°48'49.81436	122°23'52.44104	-21.102
0005	441056.356	4388833.503	4085.6	42°51'29.74702	122°33'38.28428	-21.404
0006	468507.238	4402958.816	4691.1	42°56'08.78047	122°28'08.71504	-21.017
0007	464710.286	4416121.785	3764.92	42°55'34.24987	122°23'10.64590	-20.849
0008	489934.329	4444604.902	5325.1	42°59'49.51972	122°16'55.07601	-20.317
0009	490441.835	4416821.458	3740.91	42°59'48.52234	122°23'09.03128	-20.768
0010	545183.813	4427865.947	4722.4	43°08'51.56460	122°20'56.70093	-20.470
0011	523671.709	4449385.222	4891.92	43°05'23.70834	122°16'00.33651	-20.194
0015	504986.872	4398677.110	8285.72	43°02'08.05284	122°27'17.71028	-20.721
0022	460577.837	4401928.553	3388.4	42°54'50.23753	122°26'20.09444	-21.071
0023	465174.737	4401647.373	4240.5	42°55'35.57031	122°26'25.30354	-21.053
0024	471206.281	4405127.481	3549.4	42°56'35.92923	122°25'40.40224	-20.977
0025	477075.334	4407449.879	3739.3	42°57'34.41661	122°25'10.99280	-20.932
0027	485543.303	4411558.239	3786.3	42°58'58.96862	122°24'18.34302	-20.848
0030	537263.597	4573007.509	4635.40	43°08'00.33708	121°48'17.21915	-19.914

LEGEND

▲ G.P.S. POINT OCCUPIED THIS SURVEY (SEE NARRATIVE FOR DESCRIPTION)

CERTIFICATE OF SURVEY

I, Stephan L. Barott, No. 2332, Registered Professional Land Surveyor, State of Oregon, hereby certify that this plat correctly represents a survey made by me or under my direct supervision in conformance with the laws of the State of Oregon at the request of the United States Forest Service.

* * RECEIVED * *
Date. 1-21-93 By BC
This survey Consists of:
1 sheet(s) Map
10 page(s) Narrative
JACKSON COUNTY SURVEYOR

REGISTERED PROFESSIONAL LAND SURVEYOR
Stephan L. Barott
OREGON JULY 14, 1966 STEPHAN L. BAROTT No. 2332
(expires 12/31/93)

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION 6 – ROGUE RIVER NATIONAL FOREST

RECORD OF G.P.S. SURVEY
FOR
ROGUE RIVER NATIONAL FOREST
PROSPECT RANGER DISTRICT
JACKSON COUNTY OREGON
PROJECT NO. 92-22
SURVEY COMMENCED JUNE 15, 1992
SURVEY COMPLETED DECEMBER 14, 1992

REVIEWED BY: _____ DATE: 1/20/93
APPROVED BY: _____ DATE: 1/21/93

13324

SURVEY NO. 13324

SURVEY NARRATIVE
to comply with
PARAGRAPH 209.250, OREGON REVISED STATUTES

SURVEY FOR:

ROGUE RIVER NATIONAL FOREST
P.O. BOX 520
MEDFORD, OREGON 97501

PURPOSE OF THIS SURVEY:

The purpose of this survey was to provide horizontal and vertical control by Global Positioning System (GPS) techniques between the survey stations shown on the Record of G.P.S. Survey. GPS points 0022, 0023, 0025, and 0027 from this GPS net were used to control portions of the Upper Rogue Wild & Scenic River Boundary, as surveyed by Stephan L. Barott and Harold L. Center, on file with the Jackson County Surveyor as Record Survey No. 13302.

PROCEDURE & EQUIPMENT USED ON THIS PROJECT:

Trimble Navigation 4000ST & 4000SE single frequency GPS receivers were used in the static mode for simultaneous collection of NAVSTAR satellite signals at each station as shown on the Geodetic Control Survey diagram. Trimvec version "E" software was employed for primary data reduction. Final network adjustment and coordinate values were developed from Trimnet Adjustment software. Oregon High Precision GPS Network "B Order" stations PROS, RUST RM-4, and BEAVER MARSH, were held for horizontal control as published by NGS on the NAD 83(91) datum on April 26, 1991. Vertical control stations held for control were GPS 0007, 0009, 0011, 0015, and BEAVER MARSH. The orthometric height (NGVD 29) of each vertical control station was determined by the following methods: (1) GPS 0007 elevation was determined by differential leveling from USC&GS BENCH MARK H-60. (2) GPS 0009 elevation was determined by differential leveling from Bureau of Public Roads-USDA BENCH MARK 43-3. (3) GPS 0011 elevation was determined by differential leveling from USGS BENCH MARK TT5Y. (4) GPS 0015 elevation was determined by differential leveling from USGS BENCH MARK 21-M. (5) GPS 0030 (Beaver Marsh) elevation was determined by differential leveling by NGS in 1991. The Geoid Height was determined by GEOID90. State Plane coordinate conversion [NAD83(91)] for the final product was computed utilizing U.S. Army Corps of Engineers "CORPSCON Ver. 2.1" software.

DESCRIPTION OF MONUMENTS

HORIZONTAL CONTROL STATIONS

GPS 0001 "PROS"---The monument is an ORDOT primary GPS disk stamped

PROS
.
1989

as described on page 218 of the Oregon High Precision Network book.

GPS 0002 "RUST RM4"---The monument is a standard reference mark disk stamped

RUST 1904

•

NO.4 1967

as described by COAST & GEODETIC SURVEY on page 240 of the Oregon High Precision Network book.

GPS 0030 "BEAVER MARSH"---The monument is a standard disk set in a concrete monument, stamped

BEAVER MARSH

•

1953

as described by COAST & GEODETIC SURVEY on page 44 of the Oregon High Precision Network book.

VERTICAL CONTROL STATIONS

GPS 0030 "BEAVER MARSH"---Station Beaver Marsh, previously described, was used for horizontal & vertical control.

GPS 0007---The monument, set this survey, is a 2½ ins. diam. by 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam. brass cap attached, marked:

USFS GPS
T30SR4E30

•

1992
LS 2332

from which,

USC&GS BM H-60 bears westerly, 800 feet distance, on the north side of Highway 62 near Union Creek Trail access road. Found monument in good condition and as described by USC&GS. (Elevation 3729.120 feet MSL).

To reach the GPS monument from the intersection of Highways 230 & 62, follow Highway 62 (Crater Lake Highway) easterly for 3 miles, approximately 800 feet east of Union Creek Trail access road 6200-600. Monument lies in a flat open area, 20 feet below and 200 feet south of Highway 62.

GPS 0009---The monument is a 2½ ins. diam. brass disk set ½ ins. below the asphalt surface, near the intersection of Highway 230 and forest road 6530. The monument was originally set by the US Forest Service in 1986. I found the monument loose, and therefore stabilized as needed.
NOTE: The elevation difference of the 1992 reset position is 0.040 feet lower than the 1986 reported elevation. Brass cap marked:

U S F S
CONTROL
.
29S4E31
1986

From which,

Bureau of Public Roads, USDA BM 43-3 bears S. 43° W., 125.4 feet distance, on the west side of Highway 230. (Elevation 3738.854 feet MSL).

To reach the GPS monument from the intersection of Highways 62 & 230, follow West Diamond Lake Highway 230 northerly for 6.0 miles to the Jackson-Douglas County line and forest road 6530. The monument is near the east edge of Highway 230 and near the center of the intersection of road 6530. Rogue Wild & Scenic River angle point RWS44 (intersection of forest roads 6530 and 6530-050) bears S. 86° E., 988.7 feet distance.

GPS 0011---The monument is 2½ ins. diam. brass disk set ½ ins. below the asphalt surface of Highway 230. This monument was set by the U.S. Forest Service in 1986. Cap marked:

U S F S
CONTROL
.
28S5E31
1986

From which,

USGS BENCH MARK TT5Y bears N. 4° E., 53.35 feet distance, on the edge of the clearing limits for Highway 230. (Elevation 4892.867 feet MSL).

To reach the GPS monument from the intersection of Highways 62 & 230, follow West Diamond Lake Highway 230 northerly and easterly for 16.25 miles. The monument is on the edge of the asphalt, 70 feet north of the existing centerline.

GPS 0015---(HERSHBERGER)---The monument is a U.S. COAST & GEODETIC

SURVEY standard disk set in a drill hole in a boulder. The second order NAD83 (NAD27 converted to NAD83 utilizing Corpscon Ver. 2.1) as published by the Coast & Geodetic Survey in 1953, are as follows:

LATITUDE	43°02'08.05100"	NORTH
LONGITUDE	122°27'17.72104"	WEST

Cap marked,

U.S. COAST & GEODETIC SURVEY
HERSHBERGER
.
1953

From this monument, U.S. GEOLOGICAL SURVEY Bench Mark "21 M" bears southerly, along the rocky ridge, 1000 feet distance. The Bench Mark is approximately 10 feet east of Hershberger Lookout House. (Elevation 6200.231 feet MSL).

To reach the GPS monument from the intersection of Highways 62 & 230, go northerly along West Diamond Lake Highway 230 approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 westerly and northerly to road 6515. Follow road 6515 to road 6515-530. Continue on road 530 northerly to its end at Hershberger Lookout House. Follow the rocky ridge northerly to the monument.

MONUMENTS FOUND & UTILIZED THIS SURVEY

GPS 0003 "EC 41081"---The monument is a ¾ ins. diam. by 30 ins. long aluminum drive rod set 30 ins. in a rock and concrete mound, inside a 6 ins. diam. by 18 ins. long PVC pipe filled with sand and surrounded with concrete, with a 3¼ ins. diam. aluminum cap attached. This monument was set by the Oregon State Office, Bureau of Land Management, during surveys for Group 1571, Oregon, utilizing Motorolla Eagle GPS receivers. The NAD83(91) coordinates, on file with the BLM, are:

LATITUDE	42°50'44.72271	NORTH
LONGITUDE	122°16'47.49178	WEST

Cap marked,

U.S. DEPT OF THE INTERIOR
EC41081
GPS . 1991
CONTROL SURVEY STATION
BUR. OF LAND MANAGEMENT

To reach monument from the intersection of Highways 230 and 62, go easterly on Crater Lake Highway 62 for 5.8 miles to forest road 60,

which is just past the snow park. Follow road 60 southeasterly for 0.4 miles to the intersection of roads 60 and 6000-900. Continue southeasterly on road 900 for 5.4 miles to the intersection of roads 900 and 800. Follow road 800 (initially up hill) northeasterly and southerly for 1.5 miles to the intersection of road 800 and 835 (which is the access road to Rock Top quarry). Monument lies on a rock outcrop in small, sparse hemlock, 84 feet west from said intersection. Rock Top Butte bears southwest.

GPS 0008 "EC 41082"---The monument is a ¾ ins. diam. by 36 ins. long aluminum drive rod set 36 ins. in the ground, inside a 6 ins. diam. by 24 ins. long PVC pipe filled with sand and surrounded with concrete, with a 3¼ ins. diam. aluminum cap attached. This monument was set by the Oregon State Office, Bureau of Land Management, during surveys for Group 1571, Oregon, utilizing Motorolla Eagle GPS receivers. The NAD83(91) coordinates, on file with the BLM, are:

LATITUDE	42°59'49.52158 NORTH
LONGITUDE	122°16'55.08348 WEST

Cap marked,

U.S. DEPT OF THE INTERIOR
EC41082
GPS . 1991
CONTROL SURVEY STATION
BUR. OF LAND MANAGEMENT

From this GPS monument, the corner for

T 29 S

R4E	R5E
S36	S31
S1	S6

T 30 S

1929

bears (grid) S. 42°14'37" W., 295.35 feet distance.

To reach the GPS monument from the intersection of Highways 230 and 62, go northerly on West Diamond Lake Highway 230 for 6 miles to forest road 6530 near the Douglas-Jackson County line. Follow road 6530 easterly for 1.1 miles to forest road 6535. Follow road 6535 southerly and easterly for 7.1 miles. Monument lies on nearly level ground in an old clearcut, S. 60° W., 142 feet distance from a location tag on a small fir tree on the west side of the road.

GPS 0004 "PEAVINE"---The monument is a 2½ ins. diam., 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam. brass cap attached. This monument was set by the U.S. Forest Service and is also known as GPS point "ROR051,

1986" . The NAD83 coordinates, on file with Rogue River National Forest and Jackson County Surveyor, are as follows:

LATITUDE	42°48'49.81510 NORTH
LONGITUDE	122°23'52.45480 WEST

Cap marked,

U S F S
CONTROL
GPS
.
32S4E6
1986

To reach monument from the intersection of Highway 62 and forest road 6215 (located at Mile Marker 49.8), go easterly on road 6215 (Mill Creek Road) for 5.3 miles to road 6215-360. Follow road 360 southerly for 0.2 miles to USFS Peavine seed orchard. The monument is inside of the fence, 70 feet east of the centerline of road 360 and 55 feet east of the wire gate. A Forest Service key is needed to open the gate.

GPS 0005 "ROR050"---The monument is a 2½ ins. diam., 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam brass cap attached. This monument was set by the U.S. Forest Service and is also known as GPS point "ROR050, 1986" . The NAD83 coordinates, on file with Rogue River National Forest and Jackson County Surveyor, are as follows:

LATITUDE	42°51'29.74750 NORTH
LONGITUDE	122°33'38.29830 WEST

Cap marked,

U S F S
CONTROL
GPS
.
31S2E22
1986

To reach monument from the intersection of Highway 62 and forest road 68 (Woodruff Meadows Road) go westerly for 1.9 miles to the intersection of roads 68 and 64. Follow road 64 southwesterly for 0.6 miles to road 6470. Follow road 6470 northerly and westerly for 2.2 miles to road 6470-300. Follow road 300 southerly for 2.4 miles to road 350. Follow road 350 for 0.5 miles to road 354. Follow road 354 northerly and westerly for 0.7 miles to a point that is approximately 100 feet east of the end of the road. Monument is 40 feet north of road 354 in a flat, open area in an old clearcut. Road 354 has been blocked off for vehicle traffic.

SURVEY NO. 13324

GPS 0010 "SKOOKUM"---The monument is a 2½ ins. diam., 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam. brass cap attached. This monument was set by the U.S. Forest Service and is also known as GPS point "ROR066, 1986" . The NAD83 coordinates, on file with Rogue River National Forest and Jackson County Surveyor, are as follows:

LATITUDE	43°08'51.56490 NORTH
LONGITUDE	122°20'56.71380 WEST

Cap marked,

U S F S
CONTROL
GPS
.
28S4E9
1986

To reach monument from the intersection of Highways 62 and 230, follow West Diamond Lake Highway 230 northerly for 12.1 miles to forest road 6560. Follow road 6560 northerly for 4.0 miles to the Rogue-Umpqua Forest Boundary. The road then becomes road 37. Follow road 37 northerly for 2.3 miles to forest road 3703-100. Follow road 100 northerly for 1.6 miles to the intersection of roads 100 and 3703. Follow road 3703 northwesterly for 0.3 miles to road 3703-080. Follow road 080 southerly for approximately 300 feet to the intersection of an old skid road. Monument is in the center of the skid road, S. 43° W., 135 feet from this intersection.

MONUMENTS ESTABLISHED THIS SURVEY

GPS 0007---Established this survey and used for vertical control, previously described.

GPS 0006 "EC STELLA"---The monument is a 3 ins. diam. brass disk set in a drill hole in a boulder, marked:

USFS GPS
T30SR3E26
STELLA
.
1992
LS 2332

To reach monument from the intersection of Highways 62 and 230, go northerly on West Diamond Lake Highway 230 for approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 to road 6510-200 (Stella Mt. Lookout road). Follow road 200 toward Stella

Mt. Lookout. The monument is 20 feet northeast of a switchback in road 200, and approximately 700 feet south of Stella Mt. Lookout House. A Forest Service key is needed to open the gate.

GPS 0022 "FAIRWELL BEND"---The monument is a 3 ins. diam. brass disk set in a drill hole in a rock outcrop, marked:

USFS GPS
T30SR3E35
•
1992
LS 2332

From this GPS monument, the corner for:

GENERAL LAND OFFICE
1/4
S34 | S35
1928
SURVEY

bears (grid) N. 14°38'44" W., 1605.76 feet distance.

To reach the monument from the intersection of Highways 230 and 62, go southerly for approximately 0.7 miles to Fairwell Bend Campground. Monument lies 225 feet southwest of campsite #45, and approximately 100 feet east of the Rogue River, near an old log.

GPS 0023 "EC RWS36"---The monument is a 3 ins. diam. brass disk set in a drill hole in a rock outcrop, marked:

USFS GPS
T30SR3E26
•
1992
LS 2332

From this GPS monument, the corner for:

GENERAL LAND OFFICE
T30S | R3E
S27 | S26
S34 | S35
1928
-SURVEY-

bears (grid) S. 7°51'23" W., 406.30 feet distance. This section corner is also known as Rogue Wild & Scenic River Angle Point RWS36.

To reach monument from the intersection of Highways 62 and 230, go northerly on West Diamond Lake Highway 230 for approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 to road 6510-300. Follow road 300 southerly for 0.8 miles to the intersection of roads 300 and 320. Follow road 320 for approximately 2 miles to the location tag and section line crossing near the intersection of roads 320 and 328. Walk east & up hill for 500 feet to a large rock outcrop. The monument is near the northwest edge of the outcrop, where road 300 to the southwest is plainly visible.

GPS 0024 "EC RWS38"---The monument is a 2½ ins. diam. by 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam. brass cap attached, marked:

USFS GPS
T30SR3E23
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1992
LS 2332

To reach monument from the intersection of Highways 62 and 230, go northerly on West Diamond Lake Highway 230 for approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 for approximately 1 mile to where the Rogue River Trail #1034 crosses the road. The monument is 500 feet north of trail crossing, 150 feet west of road 6510, and at the north end of a big land fill.

GPS 0025 "EC RWS40"---The monument is a ⅝ ins. diam. iron pin, 24 ins. long, with a 1½ diam. aluminum cap set 3 ins. below the graveled surface of forest road 6515.

Cap marked,

G P S
.
2 5
LS 2332

From this monument, Upper Rogue Wild & Scenic River Angle Point RWS40, which is a ⅝ ins. diam. iron pin, 24 ins. long, with a 1½ diam. aluminum cap marked RWS40, set 3 ins. below the graveled surface, and at the intersection of roads 6515 and 6520, bears (grid) S. 64°07'42" E., 281.97 feet distance.

To reach monument from the intersection of Highways 62 and 230, go northerly on West Diamond Lake Highway 230 for approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 to the

SURVEY NO. 13324

intersection of 6510 and 6520. Follow road 6520 northerly for approximately 0.5 miles to the intersection of 6520 and 6515. The monument is in the center of road 6515, as described above.

GPS 0027 "EC RWS42"---The monument is a 2½ ins. diam., 30 ins. long iron post set flush with the ground and surrounded by concrete, with a 2½ ins. diam. brass cap attached, marked:

USFS GPS
T30SR3E12

1992
LS 2332

From this monument, Upper Rogue Wild & Scenic River Angle Point RWS42, which is a ⅝ ins. diam. iron pin, 24 ins. long, with a 1½ diam. aluminum cap marked RWS42, set 3 ins. below the surface of road 6520-200, bears (grid) S. 56°38'17" E., 190.18 feet distance.

To reach monument from the intersection of Highways 62 and 230, go northerly on West Diamond Lake Highway 230 for approximately 1 mile to forest road 6510 (Stella Mt. road). Follow road 6510 to the intersection of 6510 and 6520. Follow road 6520 northerly for approximately 3.0 miles to the intersection of 6520 and 6520-200. Road 200 is an old skid road that is closed to motor vehicle traffic. Walk southeasterly down road 200 for approximately 1000 feet to road 210. Walk easterly & up hill to the end of road 210. The monument is on a south-facing ridge near the end of this skid road. Local landmark "Rabbit Ears" is visible to the northwest.

SURVEY COMMENCED ON JUNE 15, 1992.
SURVEY COMPLETED ON DECEMBER 14, 1992.

STEPHAN L. BAROTT
REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON CERTIFICATE NO. 2332
(Expires 12/31/93)

REGISTERED PROFESSIONAL LAND SURVEYOR
Stephan L. Barott
OREGON
JULY 26, 1988
STEPHAN L. BAROTT
2332

* * RECEIVED * *
Date 1-21-93 By BS
This survey Consists of:
1 sheet(s) Map
10 page(s) Narrative
JACKSON COUNTY SURVEYOR