

Opal Creek Wilderness
Willamette National Forest

I hereby certify that the legal boundary description and maps herewith represent the location of the boundary of the Opal Creek Wilderness on the Willamette National Forest as entered into the National Wilderness Preservation System by the Omnibus Parks and Public Lands Management Act of 1996.

Date

2/24/99

Signed



ROBERT WILLIAMS
Regional Forester

Definition of Intent

The boundary of the Opal Creek Wilderness is as generally depicted on the map dated July, 1996 on file in the office of the Chief of the USDA Forest Service and as generally described in the Omnibus Parks and Public Lands Management Act of 1996. The approximate courses of the map boundaries are identified on the attached maps and legal description. Where the boundary is described as following a topographical feature, the actual location of the feature will control the approximate course identifying that part of said boundary. Unless specified in the description, calls to a stream shall be to the thread and calls to a ridge shall be to the crest. Section, Township, and Range lines, and Section corners established by the United States Public Land Survey, shall determine the actual location of these portions of the boundary so described. Section subdivision lines and corners will be established under the rules of the United States Public Land Survey.

Data Collection Process

The data base for the Opal Creek Wilderness is a series of 7.5 minute, 1:24,000 scale quadrangle maps published by the United States Forest Service as identified on the attached index map. The various boundaries were manuscripted on stable-base film overlays by Forest Service personnel. Paper maps were color-coded to identify straight versus non-straight/sinuuous segments of the boundary. The overlays and paper maps were then sent to a contractor (AverStar, Inc.) where the overlays were scanned on a 1998 Eagle Anatech 1040 scanner at resolution of 800 dpi. Scan files were then pre-processed and vectorized in a batch process within LT4X. Every attempt was made to maintain the distance between vertices for non-straight segments at or over 100 ft. while preserving source copy accuracy. All straight segments were vertex thinned to ensure that segments were truly straight between nodes. After file registration was complete, project traverse features and boundaries were appropriately cleaned, attributed, and edgematched in order to produce seamless and topologically correct data sets. Traverse files and ARC/INFO coverages were then produced from the final files. Traverse files are published as the attached metes and bounds description accompanied by text description provided by the Forest Land Surveyor.

OPAL CREEK WILDERNESS
BOUNDARY DESCRIPTION

All bearings and distances shown in the following description are based on the Oregon State Plane coordinate grid system, North Zone. International, State, Indian Reservation, National Park, Mineral Claim, or Sectional land boundaries have been included although record bearing, distance, and monuments will prevail.

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
ELKHORN	1		Southwest corner of Section 28, T. 8 S., R. 4 E.
	N01/56/26.1E	2634.77	Along the West line of said Section 28
	2		West 1/4 corner of said Section 28.
	N89/18/43.2W	2702.72	Along the E-W centerline of Section 29, T. 8 S., R. 4 E.
	3		Center 1/4 corner of said Section 29.
	N03/51/33.3E	2681.46	Along the N-S centerline of said Section 29.
	4		North 1/4 corner of said Section 29.
	S88/41/37.1E	2612.42	Along the south line of Section 20, T. 8 S., R 4 E.
	5		Southeast corner of said Section 20.
	N05/06/19.1E	2586.53	Along the East line of said Section 20.
	6		East 1/4 corner of said Section 20.
	S89/24/19.8E	2500.43	Along the E-W centerline of Section 21, T. 8 S., R 4 E
	7		Center 1/4 corner of said Section 21
	N00/57/29.0E	2612.61	Along the N-S centerline of said Section 21.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	8			North 1/4 corner of said Section 21.
		N89/28/41.4E	2411.91	Along the South line of Section 16, T. 8 S., R 4 E
	9			Southeast corner of said Section 16.
		S89/18/27.8E	2725.78	Along the South line of Section 15, T. 8 S., R. 4 E.
	10			South 1/4 corner of said Section 15.
		N00/21/01.3E	2642.47	Along the N-S centerline of said Section 15.
ROOSTER ROCK	11			Center 1/4 corner of said Section 15.
		S89/28/22.1E	2695.30	Along the E-W centerline of said Section 15.
	12			East 1/4 corner of said Section 15.
		S88/52/47.7E	2589.52	Along the E-W centerline of Section 14, T. 8 S., R. 4 E.
	13			Center 1/4 corner of said Section 14.
		N00/11/06.9W	2630.00	Along the N-S centerline of said Section 14.
	14			North 1/4 corner of said Section 14.
		S89/42/02.5E	2605.60	Along the North line of said Section 14.
	15			Northeast corner of said Section 14.
		S89/41/01.7E	1314.05	Along the South line of Section 12, T. 8 S., R 4 E

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	16			East 1/16 corner of Section 12 and 13, T. 8 S., R 4 E.
		N00/58/58.2E	2673.44	Along the N-S centerline of the SW 1/4 of said Section 12
	17			Center West 1/16 corner of Section 12.
		S89/19/52.1E	1336.35	Along the E-W centerline of said Section 12.
	18			Center 1/4 corner of said Section 12.
		N00/59/51.9E	1351.76	Along the N-S centerline of said Section 12.
	19			Center North corner 1/16 of said Section 12.
		S89/42/35.3E	2598.20	Along the E-W centerline of the Northeast 1/4 of said Section 12.
	20			North 1/16 corner of said Section 12.
		N02/16/17.5E	412.95	Along the East line of said Section 12.
	21			Ridge top and Forest boundary common to the Mt. Hood and Willamette National Forests.
		N85/08/56.2E	60.50	
	22			
		S67/12/10.9E	120.63	Along ridgetop and Forest boundary.
	23			
		S60/48/43.1E	120.49	
	24			
		N74/51/46.1E	45.86	
	25			
		N54/09/09.5E	149.35	
	26			
		N58/00/09.5E	243.19	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	27	N56/38/20.8E	241.12	
	28	N68/11/26.1E	249.25	Along ridgetop and Forest boundary.
	29	N76/10/29.7E	141.16	
	30	N79/31/56.0E	206.64	
	31	S80/07/34.5E	113.57	
	32	S65/21/48.3E	72.67	
	33	S74/25/34.8E	44.70	
	34	----- Top of Burnt Mountain. -----		
		S74/25/33.7E	63.61	
	35	S81/32/08.4E	90.59	
	36	S78/52/40.2E	205.07	
	37	S84/57/02.0E	248.32	
BAGBY HOT SPRINGS	38	S78/35/54.5E	113.64	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	39	S63/04/20.9E	66.62	
	40	S66/00/11.6E	292.74	
	41	S69/50/41.1E	237.84	
	42	S74/49/51.1E	255.04	
	43	S68/16/33.1E	192.13	
	44	S45/18/38.4E	207.13	
	45	S38/38/10.7E	393.36	
	46	S42/50/06.4E	298.57	
	47	S40/48/16.9E	85.38	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	48	S36/42/53.7E	101.02	
	49	S49/11/40.7E	666.71	
	50	S39/45/41.4E	345.86	
	51	S33/37/01.9E	122.41	
	52	S43/15/55.0E	176.76	
	53	S45/07/52.7E	329.25	
	54	S52/37/23.3E	139.20	
	55	S64/39/31.1E	147.86	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	56	S80/05/25.1E	182.14	
	57	S74/18/00.3E	208.78	
	58	S61/51/00.5E	176.97	
	59	S50/30/12.6E	160.11	
	60	S20/04/45.0E	337.42	
	61	S38/45/37.3E	137.47	
	62	S48/01/53.5E	473.61	
	63	S39/20/58.0E	229.19	
	64	S30/56/25.2E	435.07	
	65	S20/01/03.6E	165.28	
	66	S03/09/07.2W	190.26	
	67	S03/10/10.5E	143.08	
	68	S26/21/00.7E	204.14	
	69	S43/20/09.0E	73.19	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	70	S64/53/15.5E	123.96	
	71	S62/15/33.6E	376.95	
	72	S77/32/15.8E	227.24	
	73	S77/29/33.6E	230.35	
	74	S68/17/06.8E	384.75	
	75	S64/04/12.7E	247.09	
	76	S76/41/29.0E	229.62	
	77	S81/00/57.1E	141.78	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	78	S62/56/08.6E	69.28	
	79	S45/04/42.3E	250.63	
	80	S45/12/32.0E	288.27	
	81	S59/45/47.8E	77.34	
	82	S82/18/10.4E	67.79	
	83	N69/29/11.4E	290.18	
	84	N56/00/37.1E	140.73	
	85	N64/18/12.4E	90.30	
	86	S80/17/53.9E	91.38	
	87	S64/44/43.6E	231.10	
	88	S48/26/28.0E	213.38	
	89	S37/22/14.0E	99.13	
	90	S35/35/30.2E	117.64	
	91	S64/20/31.3E	193.52	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	92	S76/31/21.6E	208.15	
	93	N88/49/07.5E	201.93	
	94	N74/57/44.1E	282.41	
	95	S86/37/42.6E	179.87	
	96	S71/13/50.1E	189.18	
	97	S60/12/18.6E	127.08	
	98	S51/50/53.5E	514.92	
	99	S62/34/26.8E	151.85	
	100	S77/45/46.1E	206.44	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	101	N88/58/17.0E	111.73	
	102	N85/02/09.6E	203.85	
	103	N88/39/00.8E	157.77	
	104	S76/32/48.3E	276.71	
	105	S68/28/09.5E	263.43	
	106	S56/06/48.1E	427.30	
	107	S67/36/00.5E	96.50	
	108	S74/05/00.1E	209.35	
	109	S78/13/49.5E	228.91	
	110	S83/19/47.0E	196.42	
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	111			A point on said ridge which is 200 feet Westerly of and perpendicular to the centerline of USFS road 7020.
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QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	112	S22/35/16.0W	53.04	
	113	S31/13/56.6W	68.71	
	114	S25/15/06.2W	172.91	
	115	S07/31/29.1W	181.22	Paralleling USFS Road 7020, 200 feet Westerly of centerline.
	116	S06/29/37.6E	158.20	
	117	S06/24/48.6W	159.20	
	118	S14/28/30.5W	208.11	
	119	S23/34/51.5W	364.20	
	120	S27/54/28.4W	201.38	
	121	S32/43/46.0W	422.68	
	122	S34/00/14.4W	230.46	
		S53/40/42.2W	125.40	
BATTLE AX	123			A point on a ridge which is the boundary common to the Mt. Hood and Willamette National Forests and is 200 feet westerly of and perpendicular to the centerline of USFS Road 7020.
	124	S79/07/58.5W	151.48	
	125	S78/56/39.7W	207.84	
	126	S81/18/20.0W	114.12	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	127	S79/44/08.2W	91.73	
	128	S57/42/18.4W	42.20	
		S14/43/16.0W	140.24	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	129	S03/30/56.8E	203.29	
	130	S14/35/06.1E	421.53	
	131	S09/08/58.1E	252.71	
	132	S02/59/00.3W	225.22	
	133	S11/09/03.7E	300.48	
	134	S15/31/31.5W	230.36	
	135	S02/49/54.9W	203.58	
	136	S08/07/33.2W	113.28	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	137	S05/21/22.6W	135.78	
	138	S17/05/49.4W	372.41	
	139	S09/56/42.1W	182.89	
	140	S02/17/47.7W	142.29	
	141	S00/58/42.8E	157.79	
	142	S03/28/56.0E	203.91	
	143	S24/43/31.5E	95.25	
	144	S48/33/57.4E	43.07	
	145	S69/01/21.3E	19.09	

	146			Top of Whetstone Mountain, which mountain is on the boundary common to the Mt. Hood and Willamette National Forests.

	147	S69/01/22.1E	84.16	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
		S72/26/46.2E	164.51	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	148	N88/01/15.3E	269.93	
	149	S80/47/48.0E	137.44	
	150	N85/30/09.8E	225.22	
	151	N85/36/01.9E	452.88	
	152	S83/45/38.4E	158.03	
	153	S77/00/39.9E	205.94	
	154	S79/53/31.6E	273.50	
	155	N82/54/00.9E	90.42	
	156	N77/21/27.0E	140.01	
	157	N60/22/43.3E	202.32	
	158	N50/52/29.8E	164.24	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	159	N52/02/36.7E	250.06	
	160	N58/10/12.0E	189.33	
	161	N74/17/02.9E	92.78	
	162	S79/42/42.2E	93.17	
	163	S81/16/46.7E	90.20	
	164	S79/35/35.3E	203.56	
	165	S89/21/08.0E	157.63	
	166	N84/50/15.7E	363.31	
	167	N83/12/35.6E	180.88	
	168	N89/17/30.8E	180.72	
	169	S74/00/27.1E	256.17	
	170			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	171	S63/31/14.7E	371.46	
	172	S71/55/47.8E	164.45	
	173	S83/31/13.4E	270.68	
	174	N77/50/13.8E	92.80	
	175	N84/45/11.6E	90.73	
	176	S80/59/31.5E	272.24	
	177	S84/01/56.2E	157.98	
	178	N79/41/24.3E	91.37	
	179	N79/48/20.9E	185.82	
	180	N70/39/37.3E	336.97	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	181	N51/27/05.8E	292.91	
	182	N68/27/19.9E	92.56	
	183	N66/15/12.5E	74.44	
	184	N58/10/17.3E	94.67	
	185	N31/35/29.5E	120.98	
	186	N52/18/33.8E	150.81	
	187	N75/10/55.1E	258.88	
	188	N72/59/36.3E	381.10	
	189	N79/35/34.3E	206.41	
	190	S83/32/16.2E	69.08	
	191	S69/36/42.8E	141.06	
	192	S60/51/51.8E	278.62	
		S66/06/54.0E	170.57	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	193	S83/45/01.1E	225.23	
	194	N82/24/56.2E	273.83	
	195	S77/15/59.9E	458.45	
	196	S72/26/13.2E	444.30	
	197	S80/21/15.1E	83.31	
	198	N87/07/00.7E	180.69	
	199	S77/59/03.8E	137.80	
	200	S60/54/48.5E	185.01	
	201	S67/21/07.3E	192.63	
	202	S80/03/14.2E	181.89	
	203	N88/24/42.4E	248.06	
	204	N88/22/32.1E	157.86	
	205	N69/49/31.6E	219.15	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	206	N69/33/57.8E	380.52	
	207	N63/48/55.8E	204.73	
	208	N68/26/21.1E	342.74	
	209	N77/08/05.1E	233.56	
	210	N89/17/38.9E	179.48	
	211	S79/19/09.7E	318.92	
	212	S79/30/07.0E	250.46	
	213	S77/47/48.7E	458.32	
	214	N85/20/14.0E	89.79	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	215	N60/05/54.8E	63.78	
	216	N23/06/30.4E	49.14	
	217	N09/39/28.9W	92.78	
	218	N07/50/41.8E	68.54	
	219	N34/33/33.0E	41.90	
	220	N68/08/39.6E	90.68	
	221	N68/00/34.5E	268.19	
	222	N53/51/44.4E	74.54	
	223	N54/40/02.8E	58.61	
	224	S81/10/19.4E	24.15	
	225	S53/04/04.6E	145.93	
	226	S65/13/35.4E	366.60	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	227	S51/05/49.6E	281.09	
	228	S48/44/07.8E	170.92	
	229	S50/22/20.2E	147.13	
	230	S61/59/04.4E	250.27	
	231	S57/14/47.5E	185.09	
	232	S64/19/18.3E	121.81	
	233	S81/49/45.1E	114.23	
	234	N81/03/47.1E	91.20	
	235	N84/19/38.1E	181.43	
	236	N84/37/07.0E	295.70	
	237			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	238	S79/17/04.4E	455.16	
	239	S80/04/52.1E	114.09	
	240	N78/35/16.2E	253.73	
	241	N87/35/44.7E	202.13	
	242	S74/34/00.0E	94.09	
	243	S78/44/42.1E	273.13	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	244	S78/47/18.5E	350.06	
	245	S81/50/23.8E	226.46	
	246	N84/55/09.1E	181.89	
	247	S82/38/59.4E	90.38	
	248	S74/11/39.2E	207.85	
	249	S52/26/16.0E	166.09	
	250	S35/10/31.0E	106.60	
	251	S24/57/52.3E	125.19	
		S35/46/03.4E	139.58	
	252			Top of Silver King Mtn., which mountain is on the boundary common to the Mt. Hood and Willamette National Forests.
	253	S14/25/40.6E	244.57	
	254	S09/36/10.2E	136.70	Along the ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	255	S14/54/50.1E	165.82	
	256	S12/23/47.1E	115.52	
		S00/49/40.1E	292.52	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	257	S06/33/55.8W	183.01	
	258	S00/01/17.6W	246.01	
	259	S16/34/26.9E	142.41	
	260	S27/26/43.8E	258.30	
	261	S22/45/32.2E	198.13	
	262	S28/23/20.7E	148.50	
	263	S08/25/11.1E	205.96	
	264	S19/13/46.0E	455.56	
	265	S32/15/37.0E	66.88	
	266	N88/06/59.3W	58.15	
	267	S71/51/44.0W	239.53	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	268	S64/19/47.7W	117.51	
	269	S45/33/08.8W	137.86	
	270	S75/02/06.3W	65.99	
	271	S68/54/50.3W	464.41	
	272	S70/40/04.7W	362.11	
	273	S64/06/36.1W	255.07	
	274	S58/26/01.6W	295.62	
	275	S42/27/49.7W	334.29	
	276	S44/08/11.2W	167.63	
	277	S62/19/41.2W	129.34	
	278	S55/29/00.3W	397.46	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	279	S64/11/56.3W	223.17	
	280	S43/41/34.7W	83.39	
	281	S28/41/39.9W	173.00	
	282	S33/49/32.1W	193.81	
	283	S04/26/05.0W	46.32	
	284	S23/07/11.4W	40.07	
	285	S05/56/48.3E	67.10	
	286	S27/44/32.5E	146.14	
	287	S07/36/55.7E	92.09	
	288	S04/02/28.7W	225.11	
	289	S06/04/19.7E	362.49	
	290	S12/23/45.9E	257.29	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	291	S25/51/58.4E	54.65	
	292	S02/57/53.5E	64.44	
	293	S19/02/00.2E	167.13	
	294	S32/59/17.1E	145.65	
	295	S25/15/27.6E	145.03	
	296	S39/14/00.5E	180.48	
	297	S13/26/15.2E	92.08	
	298	S20/27/44.7E	171.21	
	299	S15/05/09.7E	352.90	
	300	S02/33/24.6E	134.36	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	301	S19/27/57.9W	189.63	
	302	S07/05/05.6W	271.15	
	303	S18/08/54.6W	188.33	
	304	S26/55/51.5W	194.51	
	305	S54/36/15.9W	68.93	
	306	S46/46/04.5W	42.88	
	307	S05/40/05.1W	45.49	
	308	S34/05/56.7E	47.44	
	309	S18/34/41.2E	20.76	
	310	S19/43/31.6W	32.79	
	311	S44/43/08.5W	126.83	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	312	S62/37/56.9W	102.30	
	313	S42/56/44.1W	209.61	
	314	S21/34/30.9W	143.74	
	315	S04/04/32.5W	246.84	
	316	S05/56/02.2E	182.43	
	317	S16/53/46.7E	119.06	
	318	S27/34/57.0E	162.92	
	319	S14/36/44.4E	140.89	
	320	S06/21/27.4E	136.51	
	321	S11/01/49.6W	434.66	
	322	S00/08/22.2W	133.84	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	323	S16/30/57.9E	300.98	
	324	S08/18/38.3E	273.79	
	325	S02/39/07.5E	248.78	
	326	S07/54/16.7W	158.02	
	327	S05/14/54.2W	226.02	
	328	S02/28/01.4E	136.08	
	329	S18/51/24.0E	143.23	
	330	S07/35/12.0E	114.69	
	331	S17/47/14.4W	93.31	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	332	S05/41/57.6W	136.33	
	333	S00/36/40.1E	450.72	
	334	S22/22/48.5E	163.43	
	335	S32/53/38.9E	164.38	
	336	S35/24/52.4E	256.91	
	337	S24/52/12.2E	150.88	
	338	S06/50/05.4E	362.51	
	339	S03/50/38.1E	115.17	
	340	S24/24/56.8E	124.59	
	341	S32/16/48.2E	126.98	
	342			Top of Battle Ax, which mountain is on the boundary common to the Mt. Hood and Willamette National Forests.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	343	S39/45/57.2W	145.82	
	344	S18/08/27.1W	44.30	
	345	S35/39/16.2W	253.65	
	346	S35/13/20.4W	205.83	
	347	S40/01/25.3W	138.55	Along ridgetop which is the boundary common to the Mt. Hood and Willamette National Forests.
	348	S47/05/59.6W	335.17	
	349	S59/21/51.9W	86.17	
	350	S44/34/58.6W	132.85	
	351	S30/08/32.0W	126.98	
	352	S20/17/10.1W	165.93	
	353	S20/33/38.5W	213.06	
	354	S32/45/06.2W	73.79	
	355	S61/50/54.1W	107.37	
	356	S18/21/14.2W	136.84	
	357	S25/15/10.7W	172.05	
	358	S04/11/17.0E	91.40	
	359	S19/56/25.1W	188.04	
	360	S21/58/57.6W	430.80	
		S16/07/06.9W	193.92	
	361			Beachie Saddle, on boundary common to Mt. Hood and Willamette National Forests.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	362	S32/33/45.5W	25.86	
	363	S20/08/43.2W	190.88	
	364	S37/24/16.6W	321.80	
	365	S40/04/44.2W	315.19	
	366	S48/38/02.6W	647.57	
	367	S30/35/06.9W	128.11	
	368	S46/37/50.9W	67.79	Along ridgetop which is the boundary common to Mt. Hood and Willamette National Forests.
	369	S43/50/43.4W	69.14	
	370	S10/43/41.0W	50.09	
	371	S14/02/26.3E	188.43	
	372	S31/23/26.3E	142.34	
	373	S07/56/24.7E	140.10	
	374	S16/02/45.6W	160.63	
	375	S11/18/45.7W	251.08	
		S30/12/57.1W	143.89	
	376			Top of ridge and end of boundary common to Mt. Hood Willamette National Forests.
	377	S80/13/19.4W	314.37	
	378	S70/30/36.6W	410.34	
	379	S62/50/59.4W	229.49	Along the hydrographic divide.
	380	S55/20/10.3W	102.21	
	381	S47/15/04.4W	265.05	
		S39/24/33.1W	117.10	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	382			Top of Mount Beachie.
		S02/45/19.4E	71.56	
	383			
		S08/38/07.3E	298.66	
	384			
		S02/36/51.1W	202.24	
	385			
		S04/42/58.8E	158.71	
	386			
		S08/34/32.4W	499.82	
	387			
		S20/07/36.3W	355.17	
	388			
		S28/48/10.2W	278.53	
	389			
		S23/19/55.5W	216.82	
	390			
		S25/58/48.0W	270.01	
	391			
		S34/47/22.3W	270.46	
	392			Along the hydrographic divide.
		S37/07/48.1W	963.57	
	393			
		S31/52/53.8W	286.26	
	394			
		S31/55/31.0W	287.04	
	395			
		S34/59/43.4W	171.35	
	396			
		S34/22/29.4W	234.16	
	397			
		S74/12/04.9W	42.61	
	398			
		N79/53/26.3W	136.07	
	399			
		N69/10/53.5W	404.77	
	400			
		N61/47/59.0W	168.26	
	401			
		N63/24/14.3W	247.25	
	402			
		N63/48/34.0W	271.23	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	403	N85/44/18.3W	90.07	
	404	N80/42/46.7W	248.55	
	405	N81/30/55.6W	340.78	
	406	N68/57/47.6W	167.13	
	407	N86/05/28.2W	87.19	
	408	S69/49/33.2W	44.92	
	409	S34/59/50.2W	98.36	
	410	S17/09/27.1W	116.71	
	411	S31/20/43.2W	233.68	
	412	S20/04/28.6W	212.94	
	413	S14/41/25.2W	161.22	
	414	S17/53/03.5W	374.25	Along the hydrographic divide.
	415	S05/41/29.4W	135.94	
	416	S08/45/38.7E	183.29	
	417	S10/16/10.4W	114.47	
	418	S02/11/57.3W	178.76	
	419	S15/20/52.3W	117.13	
	420	S35/37/53.2W	62.25	
	421	S51/57/30.4W	65.56	

	422			Top of Boulder Peak.

		N84/24/12.4W	103.44	
	423	N86/28/54.1W	179.20	Along the hydrographic divide.
	424			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	425	S89/13/47.3W	315.95	
	426	N84/50/01.1W	202.48	
	427	N89/51/13.5W	111.20	
	428	N88/37/09.1W	90.34	
	429	N73/20/44.9W	255.69	
	430	N79/04/32.2W	274.34	
	431	S87/28/43.5W	90.97	
	432	S70/13/00.6W	217.05	
	433	S74/44/54.3W	211.09	
	434	S74/49/58.2W	236.36	Along the hydrographic divide.
	435	S79/05/44.1W	144.79	
	436	S82/02/06.9W	252.90	
	437	S63/05/28.8W	101.50	
	438	S44/50/41.6W	126.76	
	439	S29/02/49.3W	147.65	
	440	S25/24/41.4W	244.96	
	441	S33/00/44.8W	139.42	
	442	S50/54/37.8W	196.73	
	443	S51/01/25.4W	90.73	
	444	S49/02/15.3W	153.59	
	445	S55/10/26.2W	718.20	
	446	S56/04/34.2W	305.96	
		S73/25/50.4W	94.47	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	447	S80/24/12.5W	252.03	
	448	S59/41/53.7W	62.55	
	449	S18/51/01.9W	24.03	
	450	S22/08/19.9E	195.56	
	451	S10/14/21.3E	139.72	
	452	S16/53/01.1W	70.43	
	453	S43/49/13.5W	79.51	
	454	S38/26/47.9W	145.62	
	455	S46/36/09.0W	115.99	
	456	S43/00/51.5W	111.63	Along the hydrographic divide.
	457	S33/53/31.5W	150.50	
	458	S25/30/03.6W	240.91	
	459	S15/16/01.3W	253.81	
	460	S21/34/58.5W	170.94	
	461	S34/45/02.9W	49.69	
	462	S15/26/05.6W	171.06	
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	463			Top of southernmost butte of Marten Buttes.
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		S77/24/09.1W	166.36	
	464	N87/02/19.2W	225.47	
	465	S87/45/11.6W	226.21	Along the hydrographic divide.
	466	S77/10/17.6W	256.20	
	467	S54/40/40.6W	69.59	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	468	S58/50/31.6W	130.11	
	469	S53/48/04.3W	181.37	
	470	S44/34/15.2W	334.66	
	471	S34/13/24.3W	121.94	
	472	S40/14/31.7W	93.79	
	473	S28/03/06.2W	122.96	
	474	S19/15/42.4W	173.91	
	475	S18/44/02.5W	187.80	
	476	S27/37/24.0W	195.61	
	477	S42/18/27.5W	148.75	
	478	S66/16/59.8W	46.25	
	479	N86/25/34.1W	91.25	
	480	N48/54/32.9W	51.05	Along the hydrographic divide.
	481	N56/07/04.4W	74.80	
	482	N52/42/20.7W	74.04	
	483	N56/32/28.2W	335.12	
	484	N64/53/14.1W	194.69	
	485	N84/28/53.3W	68.31	
	486	S69/15/38.7W	96.10	
	487	S52/17/08.0W	244.74	
	488	S56/42/59.6W	175.06	
	489	N81/47/24.2W	292.59	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	490	S88/26/56.4W	361.49	Along the hydrographic divide.
	491	S79/14/14.6W	128.69	

	492			A point which is 200 feet easterly of and perpendicular to the centerline of USFS Road 2207 and on the hydrographic divide.

	493	N03/49/25.5W	247.04	
	494	N07/52/46.8W	159.94	
	495	N21/02/19.2W	122.91	
	496	N36/24/06.3W	170.71	
	497	N21/41/02.2W	48.47	
	498	N11/47/07.8W	186.49	
	499	N29/39/04.9W	122.02	Paralleling USFS Road 2207 200 feet northerly and easterly of centerline.
	500	N50/23/46.0W	188.36	
	501	N48/36/14.9W	186.19	
	502	N32/20/27.8W	226.92	
	503	N10/15/01.3W	138.00	
	504	N04/42/13.0W	136.38	
	505	N13/55/28.8E	230.07	
	506	N13/57/03.7E	206.93	
	507	N05/48/49.7E	272.59	
	508	N05/04/27.0W	134.29	
	509	N03/27/20.5W	202.92	
		N05/19/25.4E	226.61	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	510	N10/28/23.9E	295.44	
	511	N02/37/14.1W	293.13	
	512	N09/32/09.3W	138.54	
	513	N24/00/31.2W	124.94	
	514	N36/43/13.8W	117.79	
	515	N48/08/57.9W	119.28	
	516	N69/12/53.1W	95.15	
	517	S89/02/08.8W	203.50	
	518	S60/20/08.7W	76.63	
	519	S35/21/20.9W	70.36	
	520	S53/03/13.7W	53.54	
	521	S44/50/41.1W	135.29	
	522	S33/59/31.4W	182.21	
	523	S24/49/06.8W	119.90	
	524	S25/20/16.2W	142.90	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	525	S41/36/33.1W	212.42	
	526	S30/28/22.4W	254.74	
	527	S34/31/45.0W	152.01	
	528	S41/59/45.7W	226.02	
	529	S28/02/08.5W	300.44	
	530	S30/46/50.0W	171.18	
	531	S51/55/32.9W	169.89	
	532			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	533	S62/58/21.0W	123.27	
	534	S77/44/12.6W	208.30	
	535	S70/23/53.4W	339.64	
	536	S63/43/12.8W	151.14	
	537	S47/38/10.7W	519.47	
	538	S58/41/43.8W	237.31	
	539	S69/20/30.0W	170.43	
	540	S63/54/05.7W	280.08	
	541	S73/24/53.9W	189.68	
	542	S80/14/48.3W	139.70	
	543	N83/21/33.7W	67.72	
	544	N48/00/59.2W	46.60	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	545	N56/41/22.3W	227.58	
	546	N42/06/57.4W	75.51	
	547	N19/24/30.1W	144.59	
	548	N05/30/34.6W	272.48	
	549	N07/56/27.8E	317.04	
	550	N09/04/40.9W	226.93	
	551	N25/06/53.3W	170.92	
	552	N31/22/26.1W	259.79	
	553	N13/59/55.6W	219.16	
	554	N24/31/37.0W	145.82	
		N39/52/09.6W	159.45	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	555	N33/31/46.4W	255.55	
	556	N43/01/01.0W	226.17	
	557	N53/37/53.1W	74.93	
	558	N69/08/45.2W	165.58	
	559	N60/35/22.0W	254.43	
	560	N43/20/42.1W	98.08	
	561	N21/14/14.7W	122.01	
	562	N09/32/49.6W	136.41	
	563	N08/02/21.4W	184.31	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	564	N23/29/58.2W	149.77	
	565	N24/51/49.3W	167.86	
	566	N24/00/25.7W	275.32	
	567	N34/10/39.1W	279.01	
	568	N17/37/28.7W	141.93	
	569	N38/56/02.9W	159.39	
	570	N14/53/55.4W	71.43	
	571	N09/53/52.4E	90.52	
	572	N10/02/27.8E	136.50	
	573	N11/10/30.2W	323.62	
	574	N10/31/12.9W	137.90	
	575	N06/20/25.1E	134.93	
	576	N15/08/42.4E	209.29	
	577			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	578	N20/06/11.0E	236.26	
	579	N03/40/23.9E	113.69	
	580	N16/46/04.3W	332.04	
	581	N16/24/49.8W	165.72	
	582	N06/07/31.4W	137.13	
	583	N14/11/05.3W	94.38	
	584	N26/59/54.6W	204.32	
	585	N45/40/02.5W	180.48	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	586	N30/45/50.0W	195.23	
	587	N21/50/55.1W	220.28	
	588	N29/52/48.5W	149.83	
	589	N38/54/24.3W	138.08	
	590	N49/18/19.6W	258.32	
	591	N53/10/45.1W	270.06	
	592	N31/00/16.8W	72.62	
	593	N02/59/51.7W	66.86	
	594	N14/57/06.1E	115.60	
	595	N34/59/13.0E	124.65	
	596	N31/47/39.3E	121.13	
	597	N17/47/34.0E	164.74	
	598	N44/01/17.2E	75.93	
	599	N66/22/37.3E	99.39	
		N62/54/18.2E	94.54	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	600	N70/25/28.3E	160.92	
	601	S86/35/57.3E	180.24	
	602	S77/39/07.2E	113.30	
	603	S62/07/42.3E	201.79	
	604	S71/13/00.6E	117.19	
	605	S82/40/45.1E	271.44	
	606	N80/44/18.6E	183.83	
	607	N69/20/15.7E	242.42	
	608	N49/09/40.2E	220.12	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	609	N29/35/37.8E	127.19	
	610	N14/25/46.1E	138.63	
	611	N03/37/27.9W	134.50	
	612	N14/35/34.4W	94.80	
	613	N31/43/35.1W	126.14	
	614	N39/13/52.3W	169.64	
	615	N57/34/45.2W	104.55	
	616	N46/36/20.0W	196.09	
	617	N38/36/28.0W	260.81	
	618	N43/55/09.8W	122.81	
	619	N38/31/37.1W	239.22	
	620	N59/00/48.1W	71.87	
	621	N44/49/38.3W	93.22	
	622			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	623	N23/08/26.6W	366.97	
	624	N07/47/55.0W	160.30	
	625	N23/19/42.0W	99.95	
	626	N19/59/07.1W	96.23	
	627	N00/58/15.1W	518.12	
	628	N00/39/39.4E	360.65	
	629	N20/20/43.3W	146.97	
	630	N19/43/12.1W	95.63	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	631	N03/33/26.9E	248.43	
	632	N12/36/53.6E	182.75	
	633	N14/55/35.9E	140.76	
	634	N01/54/04.7E	291.08	
	635	N01/26/38.9E	293.01	
	636	N16/35/19.3W	237.41	
	637	N03/08/52.0W	120.17	
	638	N23/49/00.4W	74.46	
	639	N36/02/36.9W	106.47	
	640	N26/21/37.6W	254.97	
	641	N29/02/53.5W	376.26	
	642	N11/12/10.2W	115.34	
	643	N04/07/37.0E	91.19	
	644	N03/53/37.1E	224.54	
		N09/28/23.7W	114.84	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	645	N19/47/24.5W	217.37	
	646	N28/31/31.6W	149.16	
	647	N23/33/11.6W	265.56	
	648	N14/07/59.2W	398.27	
	649	N13/11/22.4W	419.77	
	650	N19/24/13.2W	217.51	Paralleling USFS road 2207 200 feet northerly and easterly of centerline.
	651	N14/43/18.6W	305.48	
	652	N22/32/57.3W	124.32	
	653	N13/55/33.6W	139.80	
	654	N01/02/00.1W	225.48	
	655	N17/14/29.2W	95.33	
	656	N38/10/43.5W	148.55	
	657	N33/58/54.2W	91.26	
	658	N00/33/17.1E	67.58	
	659	N27/27/41.4E	124.84	
	660	N18/56/24.5E	93.05	
	661	N21/27/55.7W	50.28	
	662	N02/55/56.8W	90.40	
	663			A point 200 feet perpendicular to the centerline of USFS Road 2207 which intersects the left bank of a small creek.
		N20/04/21.8E	1485.48	Ascend along a straight line.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	664			A point which is 200 feet southerly of and perpendicular to the centerline of USFS Road 2207-126. Approx. elevation 3500 feet.
		S76/26/09.2E	44.29	
	665	S58/55/57.3E	131.77	
	666	S65/01/39.7E	243.86	
	667	S78/21/12.7E	205.78	
	668	S84/38/02.6E	89.74	
	669	N82/32/56.1E	182.05	
	670	N70/20/02.1E	121.57	
	671	N52/56/45.4E	181.35	
	672	N36/22/38.7E	215.60	
	673	N63/42/29.2E	116.53	Paralleling USFS Road 2207-126 and 2207-130, 200 feet southerly of centerline.
	674	N43/32/00.5E	142.76	
	675	N64/46/21.9E	46.51	
	676	S88/07/17.8E	67.51	
	677	S69/04/10.8E	142.90	
	678	S46/57/52.4E	130.02	
	679	S45/44/15.7E	231.62	
	680	S41/34/15.7E	220.23	
	681	S59/02/04.4E	120.95	
	682	S72/47/19.8E	302.78	
	683	S50/37/29.5E	74.34	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	684	S35/27/16.5E	177.38	
	685	S57/45/19.4E	207.95	
	686	S60/42/35.3E	228.26	
	687	S45/56/58.1E	170.80	
	688	S26/39/05.6E	118.76	
	689	S19/07/24.9E	241.21	
	690	S18/50/50.6E	289.31	
	691	S28/03/25.8E	207.88	Paralleling USFS Road 2207-126 and 2207-130, 200 feet southerly of centerline.
	692	S19/03/18.6E	142.94	
	693	S40/01/01.9E	233.61	
	694	S48/38/28.9E	204.23	
	695	S69/18/53.7E	95.95	
	696	N87/39/04.1E	110.77	
	697	N73/27/09.7E	214.25	
	698	N83/40/25.6E	115.09	
	699	S68/41/50.2E	69.12	
	700	S28/22/16.2E	50.51	
	701	S03/52/27.4E	90.53	
	702	S17/02/56.2W	115.55	
	703	S12/48/42.0W	92.84	
	704	S10/48/03.8W	144.36	
	705	S18/31/28.3W	156.69	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	706			A point on the South line of section 32, T. 8 S., R. 5 E. which is 200 feet westerly of and perpendicular to USFS road 2207-130.
		S88/43/13.5E	2160.44	Along the South line of said Section 32.
	707			The Southeast corner of said Section 32.
		S88/45/55.9E	2678.07	Along the South line of Section 33, T. 8 S., R. 5 E.
	708			The South 1/4 corner of Section 33, T. 8 S., R. 5 E.
		S88/55/17.8E	2693.15	Along the South line of said Section 33.
	709			The Southeast corner of said Section 33.
		N01/50/32.8E	2627.07	Along the East line of said Section 33.
	710			The East 1/4 corner of said Section 33.
		N01/40/50.5E	2657.11	Along the East line of said Section 33.
	711			The Northeast corner of said Section 33.
		N01/10/36.5E	1291.11	Along the West line of Section 27, T. 8 S., R. 5 E.
	712			The South 1/16 corner between Section 27 and 28, T. 8 S., R. 5 E.
		S88/46/27.4E	2633.44	Along the North line of the S 1/2, SW 1/4 of Section 27.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	713			South center 1/16 of said Section 27.
		S88/36/17.6E	1778.09	Along the North line of the S 1/2, SE 1/4 of said Section 27.
	714			A point on a ridge and intersecting with the Bull of the Woods Wilderness boundary.
		N15/33/47.3W	110.61	
	715			
		N15/36/26.6W	48.06	
	716			
		N01/43/05.1E	157.09	
	717			
		N24/15/00.8E	120.97	
	718			
		N41/36/28.4E	136.12	
	719			
		N25/17/44.6E	147.66	
	720			
		N18/45/00.1E	142.30	Descend along a spur ridge, coincident with the Bull of the Woods Wilderness boundary.
	721			
		N01/09/59.1E	270.23	
	722			
		N05/36/01.2E	67.56	
	723			
		N05/33/23.9W	248.84	
	724			
		N14/08/19.0W	234.27	
	725			
		N17/59/46.1W	287.32	
	726			
		N42/49/12.0W	100.87	
	727			A point on a spur ridge, elevation 3200 feet.
		N11/24/19.3W	34.30	
	728			
		N34/57/01.4W	69.39	
	729			Descend.
		N09/47/16.7W	51.03	
	730			
		N08/27/44.0E	249.69	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	731	N02/14/14.8E	270.67	
	732	N13/14/28.1W	278.60	Descend.
	733	N24/42/06.9W	50.36	
	734	N10/24/37.2W	176.68	
	735	N31/49/12.2W	81.20	
	736	N88/07/04.8W	22.51	

	737			A point in Battle Ax Creek, approximate elevation 2520 feet.

		N88/07/24.9W	30.01	
	738	S77/05/11.0W	84.92	
	739	S71/11/52.8W	145.21	
	740	S75/11/01.7W	187.52	
	741	N88/01/48.9W	180.33	Descend Battle Ax Creek.
	742	S66/21/50.9W	124.38	
	743	S72/39/26.3W	262.16	
	744	N84/59/50.2W	180.81	
	745	S82/07/44.4W	181.89	
	746	S73/07/54.3W	261.74	
	747	S77/50/10.0W	139.19	
	748	S78/15/05.6W	401.39	
	749	S84/00/46.8W	159.04	
	750	S77/31/04.8W	140.49	
	751	S89/07/53.4W	134.13	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	752	S87/47/32.5W	157.95	
	753	S66/03/22.6W	98.60	
	754	S52/11/09.7W	206.85	
	755	S65/34/15.1W	124.52	
	756	S80/31/09.7W	116.57	
	757	S74/03/02.4W	116.80	
	758	S57/09/42.7W	118.61	
	759	S69/44/06.6W	242.09	
	760	S49/44/52.4W	132.50	
	761	S43/55/07.6W	271.19	
	762	S47/34/23.1W	151.69	
	763	S67/58/30.6W	313.76	Descend Battle Ax Creek.
	764	N85/04/55.3W	67.59	
	765	N85/37/53.5W	111.76	
	766	S74/38/24.9W	73.00	
	767	S73/01/01.6W	211.68	
	768	N89/53/16.8W	159.74	
	769	S75/38/55.2W	163.24	
	770	N83/46/49.9W	136.38	
	771	S72/47/27.5W	69.61	
	772	S53/05/03.7W	183.81	
	773	S67/26/44.5W	320.42	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	774	S67/57/37.3W	247.01	
	775	S82/53/15.1W	90.81	
	776	S79/31/29.2W	284.46	
	777	S87/57/36.5W	180.47	
	778	S67/44/50.4W	114.70	
	779	S87/25/28.0W	325.00	
	780	S70/37/42.0W	115.81	
	781	S70/21/20.4W	164.12	
	782	S85/44/18.2W	137.86	
	783	N85/13/49.1W	112.22	Descend Battle Ax Creek.
	784	N84/48/13.3W	269.76	
	785	S87/21/27.8W	112.54	
	786	S65/13/13.4W	119.39	
	787	S40/52/28.7W	128.27	
	788	S27/48/34.7W	97.93	
	789	S02/48/37.3W	92.27	
	790	S15/12/44.9E	141.30	
	791	S26/17/56.0E	144.82	
	792	S05/32/24.7E	67.18	
	793	S38/54/35.8W	42.31	
	794	S63/22/30.3W	72.54	
	795	S44/17/13.2W	70.03	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	796	S23/13/21.1W	96.71	
	797	S40/30/02.5W	48.03	Descend Battle Ax Creek.
	798	S25/01/43.2W	57.15	
	799	S65/15/50.9W	83.86	
	800			A point in Battle Ax Creek which is 200 feet northeasterly of and perpendicular to the centerline of proposed USFS road 2209-340 right-of-way relocation at Jawbone Flats. Excluding any portion of the Poor Boy Mill Site, location date December 15, 1975, recorded Marion County Book 34, page 1082. (See attached rights-of-way plat, signed January 4, 1983, Bull of the Woods Wilderness description).
	801	N71/39/46.0W	23.37	Paralleling said proposed USFS Road 2209-340 right-of-way relocation, 200 feet northerly of the centerline, excluding any portion of said Poor Boy Mill site.
	802	N56/27/43.5W	379.72	
	803	N64/09/16.4W	147.83	
	804	N74/08/16.8W	91.69	
	805	N89/33/58.8W	113.28	
	806	S74/52/35.8W	141.18	
	807	S58/30/43.2W	170.60	
	807	S76/48/45.7W	87.47	
	808			A point which is 200 feet northerly of and perpendicular to the centerline existing USFS Road 2209 and 200 feet northwesterly of and perpendicular to the centerline of proposed USFS road 2209-340 relocation.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	809	S76/48/34.9W	14.70	
	810	N73/39/34.8W	76.30	
	811	N54/18/54.6W	64.93	
	812	N53/50/28.7W	253.61	
	813	N71/28/55.2W	69.66	
	814	N81/27/47.4W	226.62	
	815	S87/59/15.1W	136.67	
	816	S69/02/08.7W	169.47	
	817	S73/19/05.4W	72.88	
	818	N55/40/23.7W	96.74	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	819	N73/53/08.0W	302.29	
	820	N85/59/52.1W	156.63	
	821	S73/48/52.1W	213.01	
	822	S72/17/25.8W	143.30	
	823	S57/21/08.7W	147.09	
	824	S61/20/17.8W	172.73	
	825	S76/11/22.7W	163.24	
	826	S82/59/17.7W	137.43	
	827	N76/36/44.9W	45.54	
	828	N29/14/16.8W	305.99	
	829	N45/07/05.1W	180.86	
		N53/45/45.6W	148.52	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	830	N70/51/57.9W	376.84	
	831	S89/55/27.0W	112.70	
	832	N80/35/02.3W	114.44	
	833	N63/31/11.0W	122.38	
	834	N50/17/59.6W	125.55	
	835	N31/25/32.9W	208.02	
	836	N22/06/50.9W	73.94	
	837	N32/33/49.7W	108.46	
	838	N46/34/57.7W	84.43	
	839	N74/15/05.1W	209.34	
	840	N77/43/10.9W	343.31	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	841	N88/38/10.7W	90.35	
	842	N85/58/59.9W	112.08	
	843	N60/41/14.0W	93.07	
	844	N40/01/34.7W	151.16	
	845	N32/37/53.5W	95.21	
	846	N34/38/21.2W	93.40	
	847	N51/15/17.8W	225.21	
	848	N31/56/51.8W	243.26	
	849	N39/54/59.2W	151.82	
	850	N22/44/30.7W	173.99	
	851	N43/33/51.4W	115.04	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	852	N53/38/50.3W	146.12	
	853	N72/10/02.9W	280.17	
	854	N60/21/53.2W	93.30	
	855	N58/22/35.2W	181.56	
	856	N51/29/01.5W	188.11	
	857	N70/45/14.2W	117.12	
	858	N70/15/20.7W	283.86	
	859	N78/59/59.0W	250.08	
	860	N66/23/52.4W	93.68	
	861	N36/47/48.7W	120.19	
	862	N43/07/57.4W	228.29	
	863	N49/15/55.9W	135.42	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	864	N66/48/47.1W	241.32	
	865	N42/22/11.9W	132.74	
	866	N56/30/44.5W	76.40	
	867	N76/32/44.7W	160.54	
	868	N74/16/44.3W	185.59	
	869	N67/43/20.8W	192.66	
	870	N78/17/20.2W	160.15	
	871	N67/19/23.8W	67.77	
	872	N38/35/20.0W	135.99	
	873	N68/58/47.7W	93.11	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	874	S88/40/30.7W	248.19	
	875	N77/44/31.0W	159.56	
	876	N61/47/44.9W	127.04	
	877	N70/59/06.5W	140.93	
	878	N84/30/18.3W	135.13	
	879	S85/03/50.3W	136.19	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	880	S60/51/29.4W	140.87	
	881	S89/33/40.4W	42.49	
	882	N66/26/47.9W	98.32	
	883	N48/17/13.0W	129.33	
	884	N62/13/04.7W	132.00	
	885	N63/33/21.1W	169.39	
	886	N36/35/07.0W	29.90	
	887	N59/36/14.7W	330.82	
	888	N39/17/12.3W	118.68	
ELKHORN	889			A point which is 200 feet north-easterly of and perpendicular to the centerline of USFS Road 2209 and 200 feet easterly of and perpendicular to the centerline of USFS Road 2209-330.
		N10/36/33.1W	22.96	
	890	N42/51/35.5W	138.28	
	891	N46/39/31.2W	175.49	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	892	N43/26/44.5W	237.81	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	893	N41/45/50.8W	255.94	
	894	N49/08/05.1W	122.45	
	895	N76/42/42.9W	90.31	
	896	N87/13/51.6W	203.04	
	897	S84/58/25.7W	204.14	
	898	S87/05/00.2W	316.62	
	899	S79/57/51.5W	221.14	
	900	S81/25/33.9W	711.95	
	901	S64/31/41.9W	404.57	
	902	S70/16/38.5W	144.17	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	903	S86/40/23.7W	91.07	
	904	N89/47/27.8W	270.35	
	905	S84/04/44.8W	226.83	
	906	N82/35/37.6W	248.38	
	907	N77/05/30.8W	207.55	
	908	N60/32/57.2W	177.96	
	909	N51/11/21.5W	282.02	
	910	N60/21/37.5W	178.28	
	911	N72/49/27.1W	93.42	
	912	N76/45/07.5W	137.60	
	913	N88/14/59.5W	112.86	
	914	N81/42/17.9W	115.60	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	915	N61/20/21.9W	43.76	
	916	N37/34/34.8W	223.86	
	917	N55/54/01.4W	111.73	
	918	N82/45/33.5W	158.36	
	919	S80/29/10.3W	160.77	
	920	S66/46/51.6W	98.03	
	921	S46/17/52.7W	255.14	
	922	S21/18/32.1W	69.10	
	923	S00/16/07.7E	133.79	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	924	S10/31/54.0E	276.69	
	925	S01/57/25.0W	69.29	
	926	S24/30/56.3W	44.39	
	927	S69/32/08.4W	19.45	
	928	N86/26/08.7W	271.00	
	929	S79/49/02.5W	69.47	
	930	S62/57/21.1W	102.39	
	931	S47/16/32.0W	95.29	
	932	S53/39/03.0W	104.53	
	933	S73/21/45.4W	94.96	
	934	N87/21/27.3W	449.74	
	935	S78/48/45.9W	116.29	
	936	S80/31/17.0W	344.20	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	937	S86/39/22.8W	203.76	
	938	N83/03/33.0W	157.56	
	939	N81/31/09.2W	136.77	
	940	N77/42/28.4W	206.13	
	941	N76/21/52.0W	160.64	
	942	S85/13/43.3W	91.10	
	943	S71/54/33.3W	120.00	
	944	S52/04/24.7W	90.79	
	945	S34/46/22.7W	195.39	
	946	S65/46/40.2W	46.39	
	947	S89/38/38.7W	91.00	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	948	S85/21/49.1W	142.50	
	949	S72/20/01.7W	118.40	
	950	S41/33/01.7W	165.52	
	951	S47/33/05.8W	157.19	
	952	S69/24/00.0W	194.86	
	953	S61/23/21.0W	135.10	
	954	S47/17/38.7W	106.16	
	955	S34/28/38.4W	129.69	
	956	S36/48/17.4W	118.58	
	957	S54/14/50.9W	133.55	
	958	S74/10/49.0W	306.75	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	959	S86/14/52.4W	90.82	
	960	N89/16/09.2W	225.18	
	961	N85/11/30.5W	134.64	
	962	N74/28/58.1W	277.50	
	963	N86/12/10.0W	158.40	
	964	S79/16/16.2W	69.21	
	965	S56/05/20.8W	147.91	
	966	S42/41/29.9W	100.73	
	967	S25/43/09.1W	72.22	
	968	S04/52/49.1W	113.25	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	969	S15/21/47.9E	117.41	
	970	S37/05/12.3E	207.91	
	971	S51/22/19.3E	126.61	
	972	S36/16/57.3E	98.05	
	973	S04/07/20.3E	68.77	
	974	S23/02/31.7W	41.43	
	975	S58/19/58.9W	70.92	
	976	S81/45/05.5W	92.38	
	977	N83/57/41.0W	203.23	
	978	N89/48/28.8W	141.22	
	979	S71/44/00.2W	194.31	
	980	S62/01/23.4W	230.87	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	981	S43/02/51.5W	132.98	
	982	S29/28/50.1W	224.25	
	983	S17/24/09.3W	187.44	
	984	S18/55/38.5W	188.54	
	985	S35/19/54.6W	198.69	
	986	S41/32/16.0W	371.94	
	987	S35/13/46.1W	195.50	
	988	S33/30/09.6W	433.29	
	989	S47/27/05.1W	161.62	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	990	S44/00/30.6W	202.19	
	991	S34/08/14.1W	346.52	
	992	S34/54/47.4W	546.71	
	993	S31/46/14.6W	337.97	
	994	S26/18/26.1W	396.93	
	995	S34/13/49.7W	283.10	
	996	S43/00/08.7W	123.30	
	997	S64/13/10.4W	152.41	
	998	S79/20/43.9W	437.69	
	999	S64/21/08.4W	177.18	
	1000	S53/20/54.3W	221.41	
	1001	S75/07/27.0W	94.45	
	1002	N83/43/51.7W	66.55	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	1003	N75/04/12.7W	162.67	
	1004	N56/55/57.1W	122.95	
	1005	N44/39/11.9W	152.07	
	1006	N44/50/05.7W	208.78	
	1007	N59/18/46.8W	232.34	
	1008	N52/57/41.6W	128.68	
	1009	N58/13/45.0W	172.29	
	1010	N71/41/21.0W	188.82	
	1011	N69/45/36.6W	166.17	
	1012	N59/05/38.7W	129.86	
	1013	N64/56/44.7W	121.28	
	1014	N84/54/04.0W	203.31	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	1015	N85/19/54.6W	248.01	
	1016	N81/25/37.9W	91.97	
	1017	N50/48/23.4W	64.00	
	1018	N26/12/20.0W	193.69	
	1019	N45/48/14.6W	233.82	
	1020	N41/42/02.7W	305.73	
	1021	N56/39/53.5W	105.72	
	1022	N48/43/07.6W	150.31	
	1023	N61/34/47.8W	71.08	
	1024	N78/52/43.2W	181.95	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
	1025	N85/27/56.6W	136.28	
	1026	S76/43/18.1W	232.77	
	1027	S65/49/40.9W	258.12	
	1028	S65/18/18.0W	520.58	
	1029	S75/33/46.7W	304.36	
	1030	S83/49/28.6W	272.38	
	1031	S79/54/00.3W	163.13	
	1032	S59/59/45.6W	187.88	
	1033	S45/19/36.5W	77.14	
	1034	S22/57/05.2W	362.62	Paralleling USFS Road 2209, 200 feet northerly of centerline.
	1035	S05/48/32.7W	112.48	
	1036	S08/47/48.2E	115.51	
	1037	S19/14/07.8E	192.02	
	1038	S15/34/07.3E	125.85	
	1039	S23/01/52.0W	72.48	
	1040	S75/08/03.2W	19.82	
	1041	N81/54/52.7W	120.59	
	1042	N69/45/43.0W	261.12	
	1043	N73/22/00.0W	210.33	
	1044	N61/02/06.9W	143.40	
	1045	N62/19/09.6W	125.20	
	1046	N72/00/44.7W	116.58	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
	1047		
	N82/50/50.5W	272.09	
	1048		
	N64/58/17.8W	236.76	
	1049		
	N73/37/45.3W	117.00	
	1050		
	N70/17/51.7W	140.75	
	1051		Paralleling USFS Road 2209, 200 feet northerly of centerline.
	N79/00/42.5W	206.03	
	1052		
	S71/00/26.8W	71.48	
	1053		
	S47/13/51.4W	180.70	
	1054		
	S16/02/58.4W	116.99	
	1055		
	S04/00/14.0W	111.89	
	1056		
	S26/16/40.1W	70.97	
	1057		
	S48/41/50.9W	159.28	
	1058		
	S65/13/54.8W	117.46	
	1059		A point 200 feet northerly of and perpendicular to USFS Road 2209, on the South line of Section 28, T. 8 S., R. 4 E.
	N86/38/55.3W	277.82	Along the South line of said Section 28.
	1060		Point of beginning.