

MOUNT THIELSEN WILDERNESS

Deschutes National Forest  
Umpqua National Forest  
Winema National Forest

I hereby certify that the legal boundary description and map herewith represent the location of the boundary of the Mount Thielsen Wilderness on the Deschutes, Umpqua, and Winema National Forests as entered into the National Wilderness Preservation System by the Act of June 26, 1984.

Signed

5/4/87  
(Date)

John F. Torrence  
JFT JAMES F. TORRENCE  
Regional Forester

### Definition of Intent

The legal description of the Mount Thielsen Wilderness is as shown on the map dated September 1986 on file in the office of the Chief of the USDA Forest Service and as generally described in Public Law 98-328. The approximate courses of the map boundaries are identified in the following 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.

The data base for the Mount Thielsen Wilderness is a series of quadrangle maps published by the United States Geological Survey as identified on the attached index map. The various boundaries were marked on the map and the information was collected with a Hewlett-Packard 9020 Interactive Graphics System. The data is published as the attached metes and bounds description. Courses in the description are shown as grid bearings and grid distances.

# MOUNT THIELSEN WILDERNESS BOUNDARY DESCRIPTION

All bearings and distances shown in the following description are based on the Oregon State Plane coordinate grid system, South 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
SUMMIT LAKE SE Map No. 1	1		Summit of Tenas Peak, elevation 6530 feet. Unsurveyed. W.M. Latitude 43-19-27.02 North, Longitude 122-02-06.32 West. Oregon grid coordinates south zone X=1,591,548, Y=607,803.
	2	N84-30E 104 (31.7)	
	3	N81-42E 97 (29.6)	
	4	N72-43E 94 (28.7)	
	5	N46-20E 61 (18.6)	Along ridge.
	6	N35-03E 164 (50.0)	
	7	N29-58E 196 (59.7)	
	8	N30-36E 165 (50.3)	
	9	N31-10E 201 (61.3)	
	10	N40-41E 150 (45.7)	
	11	N33-01E 95 (29.0)	
	12	N46-16E 95 (29.0)	
		N59-02E 152 (46.3)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
-----------------------	----------------	---------	------------------------------	-------------

SUMMIT LAKE	13			
SE		N71-53E	116	(35.4)
Map No. 1	14	N79-23E	98	(29.9)
	15	S79-14E	145	(44.2)
	16	S77-49E	180	(54.9)
	17	S79-52E	296	(90.2)
	18	S75-07E	265	(80.8)
	19	S70-04E	217	(66.1) Along ridge.
	20	S60-43E	303	(92.4)
	21	S69-34E	218	(66.4)
	22	S69-56E	277	(84.4)
	23	S68-06E	220	(67.1)
	24	S59-37E	134	(40.8)
	25	S69-54E	175	(53.3)
	26	S83-50E	149	(45.4)
	27	S85-29E	152	(46.3)
	28	N82-21E	135	(41.1)
	29	N74-49E	145	(44.2)
	30	N73-37E	142	(43.3)
	31	N65-53E	147	(44.8)
	32	N76-29E	163	(49.7)
	33	N84-59E	114	(34.7)
	34	N81-04E	142	(43.3)

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE SE Map No. 1	35	S79-02E	100	(30.5)	
	36	S59-52E	143	(43.6)	
	37	S52-22E	121	(36.9)	Along ridge.
	38	S49-48E	152	(46.3)	
	39	S68-45E	116	(35.4)	
	40	S57-35E	149	(45.4)	
	41	S65-23E	158	(48.2)	
	42	S86-25E	160	(48.8)	
	43	S54-28E	69	(21.0)	
	44				A point on the crest of the Cascade Range. The boundary common to Klamath and Douglas Counties. Also the boundary common to the Deschutes and Umpqua National Forests.
		S07-46W	133	(40.5)	
	45	S03-43W	154	(46.9)	
	46	S05-38E	143	(43.6)	Along crest of Cascade Range.
	47	S02-52E	120	(36.6)	
	48	S25-16E	197	(60.0)	
	49	S20-49E	183	(55.8)	
	50	S35-25E	110	(33.5)	
	51	S01-00E	49	(14.9)	
	52	S17-39E	92	(28.0)	
	53	S01-47E	192	(58.5)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE SE Map No. 1	54			
		S07-23E	327 (99.7)	
	55			
		S05-45E	300 (91.4)	Along crest of Cascade Range.
	56			
		S07-20E	141 (43.0)	
	57			
		S27-45E	86 (26.2)	
	58			
		S18-26E	57 (17.4)	
	59			
		S39-48E	16 (4.9)	
	60			The summit of Tolo Mtn. Elevation 7046 feet.
		S34-54E	105 (32.0)	
61		S44-30E	163 (49.7)	
62		S65-27E	178 (54.3)	
63		S66-34E	131 (39.9)	
64		S83-14E	119 (36.3)	Along crest of Cascade Range.
65		S88-41E	130 (39.6)	
66		S79-37E	144 (43.9)	
67		S72-42E	128 (39.0)	
68		S61-28E	222 (67.7)	
69		S52-28E	207 (63.1)	
70		S48-14E	150 (45.7)	
71		S49-52E	133 (40.5)	
72		S43-36E	406 (123.7)	
73		S39-36E	210 (64.0)	
74		S42-43E	265 (80.8)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE SE Map No. 1	35	S79-02E	100	(30.5)
	36	S59-52E	143	(43.6)
	37	S52-22E	121	(36.9) Along ridge.
	38	S49-48E	152	(46.3)
	39	S68-45E	116	(35.4)
	40	S57-35E	149	(45.4)
	41	S65-23E	158	(48.2)
	42	S86-25E	160	(48.8)
	43	S54-28E	69	(21.0)
	44	A point on the crest of the Cascade Range. The boundary common to Klamath and Douglas Counties. Also the boundary common to the Deschutes and Umpqua National Forests.		
	45	S07-46W	133	(40.5)
	46	S03-43W	154	(46.9)
	47	S05-38E	143	(43.6) Along crest of Cascade Range.
	48	S02-52E	120	(36.6)
	49	S25-16E	197	(60.0)
	50	S20-49E	183	(55.8)
	51	S35-25E	110	(33.5)
	52	S01-00E	49	(14.9)
	53	S17-39E	92	(28.0)
	54	S01-47E	192	(58.5)

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE SE Map No. 1	54	S07-23E	327	(99.7)	
	55	S05-45E	300	(91.4)	Along crest of Cascade Range.
	56	S07-20E	141	(43.0)	
	57	S27-45E	86	(26.2)	
	58	S18-26E	57	(17.4)	
	59	S39-48E	16	(4.9)	
	60	The summit of Tolo Mtn. Elevation 7046 feet.			
		S34-54E	105	(32.0)	
	61	S44-30E	163	(49.7)	
	62	S65-27E	178	(54.3)	
	63	S66-34E	131	(39.9)	
	64	S83-14E	119	(36.3)	Along crest of Cascade Range.
	65	S88-41E	130	(39.6)	
	66	S79-37E	144	(43.9)	
	67	S72-42E	128	(39.0)	
	68	S61-28E	222	(67.7)	
	69	S52-28E	207	(63.1)	
	70	S48-14E	150	(45.7)	
	71	S49-52E	133	(40.5)	
	72	S43-36E	406	(123.7)	
	73	S39-36E	210	(64.0)	
	74	S42-43E	265	(80.8)	



QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE SE Map No. 1	75				
		S47-04E	235	(71.6)	
	76				
		S43-12E	225	(68.6)	
	77				
		S44-37E	208	(63.4)	
	78				
		S53-47E	139	(42.4)	Along crest of Cascade Range.
	79				
		S42-48E	147	(44.8)	
	80				
		S29-10E	98	(29.9)	
	81				
		S17-54E	101	(30.8)	
	82				
		S17-42E	99	(30.2)	
	83				
		S05-07E	135	(41.1)	
BURN BUTTE Map No. 2	84				
		S15-44E	148	(45.1)	
	85				
		S02-22E	169	(51.5)	
	86				
		S37-01E	397	(121.0)	
	87				
		S38-56E	228	(69.5)	
	88				
		S33-20E	136	(41.5)	
	89				A high point on the crest of Cascade Range. Approximate elevation 6620 feet.
		S81-33E	259	(78.9)	
	90				
		S86-55E	204	(62.2)	Along ridge between Big Marsh Creek and Little Deschutes River.
	91				
		N87-47E	258	(78.6)	
	92				
		N77-06E	246	(75.0)	
	93				
		S74-12E	158	(48.2)	
	94				
		S85-03E	151	(46.0)	
	95				
		S75-23E	95	(29.0)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	96				
		S75-49E	200	(61.0)	
	97				
		S73-11E	235	(71.6)	
	98				
		S72-02E	191	(58.2)	
	99				
		S70-21E	104	(31.7)	
	100				
		S01-00E	91	(27.7)	
	101				
		S44-24E	67	(20.4)	
	102				
		S34-04E	86	(26.2)	Along ridge between Big Marsh Creek and Little Deschutes River.
	103				
		S17-08E	126	(38.4)	
	104				
		S37-16E	116	(35.4)	
	105				
		S72-39E	34	(10.4)	
	106				
		S85-24E	112	(34.1)	
	107				
		S85-21E	161	(49.1)	
	108				
		S70-18E	86	(26.2)	
	109				
		S70-41E	163	(49.7)	
	110				
		S63-26E	114	(34.7)	
	111				
		S58-18E	80	(24.4)	
	112				
		S64-35E	156	(47.5)	
	113				
		S68-37E	129	(39.3)	
	114				
		S72-39E	117	(35.7)	
	115				
		S70-30E	102	(31.1)	
	116				
		S84-32E	94	(28.7)	
	117				
		N86-21E	94	(28.7)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	118				
		N89-23E	92	(28.0)	
	119				
		N71-27E	148	(45.1)	
	120				
		N69-27E	145	(44.2)	
	121				
		N64-09E	179	(54.6)	
	122				
		N79-29E	71	(21.6)	
	123				
		N59-02E	47	(14.3)	
	124				
		N81-52E	57	(17.4)	Along ridge between Big Marsh Creek and Little Deschutes River.
	125				
		S84-40E	119	(36.3)	
	126				
		S86-16E	138	(42.1)	
	127				
		N76-08E	171	(52.1)	
	128				
		N82-04E	123	(37.5)	
	129				
		N60-15E	73	(22.3)	
	130				
		N61-26E	102	(31.1)	
	131				
		N42-23E	108	(32.9)	
	132				
		N35-26E	128	(39.0)	
	133				
		N29-41E	107	(32.6)	
	134				
		N27-15E	148	(45.1)	
	135				
		N19-53E	138	(42.1)	
	136				
		N19-16E	130	(39.6)	
	137				
		N23-08E	104	(31.7)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	138			
	N09-02E	89	(27.1)	Along ridge between Big Marsh Creek and Little Deschutes River.
	139			
	N10-53E	53	(16.2)	
	140			
	N27-05E	99	(30.2)	The summit of Cappy Mountain. Elevation 7392 feet.
	141			
	N41-14E	97	(29.6)	
	142			
	N76-10E	67	(20.4)	
	143			
	N72-37E	191	(58.2)	
	144			
	N62-18E	136	(41.5)	
	145			
	N59-54E	80	(24.4)	Along ridge between Big Marsh Creek and Little Deschutes River.
	146			
	N51-05E	180	(54.9)	
	147			
	N42-34E	167	(50.9)	
	148			
	N41-59E	121	(36.9)	
	149			
	N42-49E	129	(39.3)	
	150			
	N44-40E	121	(36.9)	
	151			
	N45-41E	179	(54.6)	
	152			
	N48-39E	100	(30.5)	
	153			
	N54-34E	64	(19.5)	
	154			
	N45-00E	76	(23.2)	
	155			
	N45-29E	83	(25.3)	
	156			
	N45-00E	31	(9.4)	
	157			
	N58-52E	56	(17.1)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	158			
	N74-03E	29	(8.8)	Along ridge between Big Marsh Creek and Little Deschutes River.
	159			
	N86-32E	66	(20.1)	
	160			A high point on said ridge. Approximate elevation 7380 feet.
	S69-45E	90	(27.4)	
161	S60-48E	78	(23.8)	
162	S65-15E	155	(47.2)	
163	S57-00E	160	(48.8)	
164	S58-51E	218	(66.4)	
165	S51-35E	179	(54.6)	Along ridge between Basin Creek and Little Deschutes River.
166	S55-30E	178	(54.3)	
167	S46-06E	185	(56.4)	
168	S45-53E	228	(69.5)	
169	S54-06E	452	(137.8)	
170	S53-24E	290	(88.4)	
171	S58-58E	149	(45.4)	
172	S39-48E	86	(26.2)	
173	S47-05E	137	(41.8)	
174	S58-35E	217	(66.1)	
175	S77-19E	410	(125.0)	
176	S82-55E	324	(98.8)	
177	S73-52E	126	(38.4)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	178			
		S67-09E	152 (46.3)	
	179			
		S59-59E	230 (70.1)	
	180			
		S65-59E	282 (86.0)	
	181			
		S52-50E	265 (80.8)	
	182			
		S59-06E	136 (41.5)	
	183			
		S48-12E	89 (27.1)	
	184			
		S45-00E	65 (19.8)	Along ridge between Basin Creek and Little Deschutes River.
	185			
		S81-36E	89 (27.1)	
	186			
		N64-05E	277 (84.4)	
	187			
		N72-57E	222 (67.7)	
	188			
		N74-07E	241 (73.5)	
	189			
		N78-26E	130 (39.6)	
	190			
		N78-22E	104 (31.7)	
	191			
		S70-50E	125 (38.1)	
	192			
		S86-28E	178 (54.3)	
	193			
		S80-29E	163 (49.7)	
	194			
		S79-19E	124 (37.8)	
	195			
		S87-40E	98 (29.9)	
	196			
		N74-55E	119 (36.3)	
	197			
		N75-23E	95 (29.0)	
	198			
		S83-20E	95 (29.0)	
	199			
		S78-41E	102 (31.1)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	200				
		S86-15E	168	(51.2)	
	201				
		N89-23E	184	(56.1)	
	202				
		S85-19E	122	(37.2)	
	203				
		N73-01E	113	(34.4)	
	204				
		N65-25E	180	(54.9)	
	205				
		N56-36E	109	(33.2)	Along ridge between Big Marsh Creek and Little Deschutes River.
	206				
		N50-54E	144	(43.9)	
	207				
		N44-37E	107	(32.6)	
	208				
		N37-51E	153	(46.6)	
	209				
		N37-46E	191	(58.2)	
	210				
		N41-27E	125	(38.1)	
	211				
		N37-22E	117	(35.7)	
	212				
		N25-01E	99	(30.2)	
	213				
		N22-15E	119	(36.3)	
	214				
		N26-57E	132	(40.2)	
	215				
		N27-32E	132	(40.2)	
	216				
		N16-31E	123	(37.5)	
	217				
		N21-34E	92	(28.0)	
	218				
		N22-37E	26	(7.9)	
	219				The summit of Burn Butte. Elevation 7474 feet.
		S18-51E	13643	(4158.4)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
BURN BUTTE Map No. 2	220		Summit of a knob. Elevation 6570 feet.
	S18-39E	1870 (570.0)	
	221		A point 200 feet northerly of and perpendicular to centerline of USFS Road No. 5840.
	N83-06W	125 (38.1)	
222	N76-37W	169 (51.5)	
223	N76-23W	132 (40.2)	
224	00-00W	110 (33.5)	
225	S86-55W	130 (39.6)	
226	S86-25W	112 (34.1)	Paralleling USFS Road No. 5840, 200 feet northerly of centerline.
227	S01-00W	137 (41.8)	
228	S68-18W	105 (32.0)	
229	S65-31W	123 (37.5)	
230	S61-47W	140 (42.7)	
231	S58-41W	140 (42.7)	
232	S51-07W	80 (24.4)	
233	S69-59W	161 (49.1)	
234	S77-34W	70 (21.3)	
235	S84-26W	82 (25.0)	
236	S82-52W	121 (36.9)	
237	N88-34W	120 (36.6)	
238	N87-57W	112 (34.1)	



QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	239				
		N84-17W	191	(58.2)	
	240				
		N86-06W	397	(121.0)	
	241				
		N86-40W	603	(183.8)	
	242				
		S88-08W	398	(121.3)	
	243				
		S83-52W	159	(48.5)	
	244				
		S82-48W	183	(55.8)	
	245				
		S74-38W	177	(53.9)	Paralleling USFS Road No. 5840, 200 feet northerly of centerline.
	246				
		S77-36W	154	(46.9)	
	247				
		S67-07W	167	(50.9)	
	248				
		S63-35W	182	(55.5)	
	249				
		S58-26W	164	(50.0)	
	250				
		S68-06W	115	(35.1)	
	251				
		S69-43W	147	(44.8)	
	252				
		S80-14W	124	(37.8)	
	253				
		S83-03W	83	(25.3)	
	254				
		S77-40W	98	(29.9)	
	255				
		S67-03W	92	(28.0)	
	256				
		S50-18W	130	(39.6)	
	257				
		S47-15W	162	(49.4)	
	258				
		S43-31W	137	(41.8)	
	259				
		S16-57W	134	(40.8)	
	260				
		S31-14W	110	(33.5)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	261				
		S36-02W	122	(37.2)	
	262				
		S33-37W	208	(63.4)	
	263				
		S23-08W	104	(31.7)	
	264				
		S24-06W	125	(38.1)	
	265				
		S24-39W	228	(69.5)	
	266				
		S17-20W	245	(74.7)	
	267				
		S22-13W	177	(53.9)	Paralleling USFS Road No. 5840, 200 feet westerly of centerline.
	268				
		S01-23E	124	(37.8)	
	269				
		S03-00W	248	(75.6)	
	270				
		S15-52W	219	(66.8)	
	271				
		S03-31E	130	(39.6)	
	272				
		S13-21E	143	(43.6)	
	273				
		S10-29E	203	(61.9)	
	274				
		S16-04E	246	(75.0)	
	275				
		S14-52E	183	(55.8)	
	276				
		S15-22E	230	(70.1)	
	277				
		S21-05E	239	(72.8)	
	278				
		S14-17E	336	(102.4)	
	279				
		S23-41E	142	(43.3)	
	280				
		S28-18E	74	(22.6)	
	281				
		S21-48E	54	(16.5)	
	282				
		S31-32E	103	(31.4)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
BURN BUTTE Map No. 2	283			
		S44-35E	95 (29.0)	
	284			
		S54-56E	127 (38.7)	
	285			
		S56-47E	100 (30.5)	
	286			
		S54-36E	148 (45.1)	Paralleling USFS Road No. 5840, 200 feet southwesterly of centerline.
	287			
		S51-23E	362 (110.3)	
	288			
		S53-48E	222 (67.7)	
	289			
		S52-37E	203 (61.9)	
	290			
		S45-21E	235 (71.6)	
	291			
		S52-55E	211 (64.3)	
MILLER LAKE Map No. 3	292			
		S55-55E	202 (61.6)	
	293			
		S43-53E	110 (33.5)	
	294			
		S44-14E	159 (48.5)	
	295			A point 200 feet southwesterly of and perpendicular to the centerline of USFS Road No. 5840.
		S55-46E	2693 (820.8)	
	296			
		S55-58E	502 (153.0)	
	297			A high point on a ridge. Approximate elevation 6510 feet.
		S47-17E	1971 (600.8)	
	298			A point on summit of Adell Butte. Approximate elevation 6502 feet.
		S73-13E	2512 (765.7)	
	299			A point in an intermittent stream. Approximate elevation 6100 feet.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
MILLER LAKE Map No. 3	300	S44-36E	206 (62.8)	
	301	S57-10E	500 (152.4)	
	302	S40-56E	240 (73.2)	
	303	S39-48E	273 (83.2)	
	304	S34-48E	216 (65.8)	
	305	S43-28E	132 (40.2)	
	306	S12-19E	89 (27.1)	Descend intermittent stream.
	307	S64-26E	102 (31.1)	
	308	S66-51E	135 (41.1)	
	309	S39-30E	118 (36.0)	
	310	S15-24E	245 (74.7)	
	311	S13-42E	295 (89.9)	
	312	S14-10E	319 (97.2)	
	313	S27-27E	230 (70.1)	
	314	S19-44E	222 (67.7)	
	315	S25-25E	245 (74.7)	
	316	S10-49E	181 (55.2)	
	317	S12-30E	226 (68.9)	
	318	S11-32E	155 (47.2)	
	319	S07-23E	163 (49.7)	
		S01-00E	163 (49.7)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE 320 Map No. 3	S24-54E	93	(28.3)	
321	S08-28E	170	(51.8)	
322	S06-32W	97	(29.6)	Descend intermittent stream.
323	S18-52W	127	(38.7)	
324	S02-49W	142	(43.3)	
325	S03-35E	128	(39.0)	
326	S03-11E	126	(38.4)	
327	S02-46W	62	(18.9)	
328	Intersection of two intermittent streams. Approximate elevation 5620.			
329	S69-10W	143	(43.6)	
330	S84-48W	133	(40.5)	
331	N84-08W	215	(65.5)	
332	N85-50W	207	(63.1)	Ascend intermittent stream.
333	S85-07W	188	(57.3)	
334	S89-36W	142	(43.3)	
335	N72-28W	120	(36.6)	
336	N71-50W	132	(40.2)	
337	N53-00W	188	(57.3)	
338	N48-04W	79	(24.1)	
339	N66-12W	111	(33.8)	
	N60-07W	155	(47.2)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE 340				
Map No. 3	N49-29W	217	(66.1)	
	341			
	N58-26W	262	(79.9)	
	342			
	N61-29W	157	(47.9)	
	343			
	N88-17W	200	(61.0)	
	344			
	N84-34W	201	(61.3)	
	345			
	N88-41W	262	(79.9)	
	346			
	N79-10W	165	(50.3)	Ascend intermittent stream.
	347			
	N77-16W	150	(45.7)	
	348			
	N69-35W	146	(44.5)	
	349			
	N78-22W	174	(53.0)	
	350			
	N67-33W	162	(49.4)	
	351			
	N55-47W	212	(64.6)	
	352			
	N63-03W	265	(80.8)	
	353			
	N56-46W	243	(74.1)	
	354			
	N67-44W	232	(70.7)	
	355			
	N65-46W	154	(46.9)	
	356			
	N67-03W	213	(64.9)	
	357			
	N77-31W	134	(40.8)	
	358			
	S88-32W	117	(35.7)	
	359			
	N81-48W	119	(36.3)	
	360			
	N81-20W	166	(50.6)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
-----					
MILLER LAKE	378				
Map No. 3		N62-11W	81	(24.7)	
	379				
		N18-26W	123	(37.5)	
	380				
		N29-38W	184	(56.1)	
	381				
		N24-31W	63	(19.2)	
	382				
		N50-17W	246	(75.0)	
	383				
		N53-52W	298	(90.8)	Along the 5700 foot contour.
	384				
		N58-47W	237	(72.2)	
	385				
		N63-09W	270	(82.3)	
	386				
		N53-26W	193	(58.8)	
	387				
		N40-21W	148	(45.1)	
	388				
		N52-49W	73	(22.3)	
	389				
		N55-55W	120	(36.6)	
	390				
		N55-45W	140	(42.7)	
	391				
		N42-40W	87	(26.5)	
	392				
		N29-27W	98	(29.9)	
	393				
		N50-06W	72	(21.9)	
	394				
		N89-08W	66	(20.1)	
	395				
		N70-06W	185	(56.4)	
	396				
		N66-27W	153	(46.6)	
	397				
		N59-26W	199	(60.7)	
	398				
		N50-50W	195	(59.4)	
	399				
		N47-50W	186	(56.7)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE Map No. 3	400				
		N48-02W	187	(57.0)	
	401				
		N53-27W	183	(55.8)	
	402				
		N47-03W	178	(54.3)	
	403				
		N47-26W	167	(50.9)	
	404				
		N46-38W	74	(22.6)	
	405				
		N24-23W	70	(21.3)	
	406				
		N80-20W	89	(27.1)	Along the 5700 foot contour.
	407				
		N58-20W	141	(43.0)	
	408				
		N67-30W	183	(55.8)	
	409				
		N69-50W	136	(41.5)	
	410				
		N71-11W	93	(28.3)	
	411				
		S87-15W	146	(44.5)	
	412				
		N87-06W	138	(42.1)	
	413				
		N86-31W	82	(25.0)	
	414				
		S65-13W	86	(26.2)	
	415				
		N75-22W	138	(42.1)	
	416				
		N70-48W	167	(50.9)	
	417				
		N59-59W	134	(40.8)	
	418				
		N65-57W	71	(21.6)	
	419				
		N68-12W	54	(16.5)	
	420				
		S82-10W	81	(24.7)	
	421				
		N82-20W	105	(32.0)	



QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
MILLER LAKE Map No. 3	422		
	423	N82-19W 127 (38.7)	
	424	N74-32W 116 (35.4)	Along the 5700 foot contour.
	425	N67-01W 72 (21.9)	
		N70-37W 57 (17.4)	
	426		A turning point on the 5700 foot contour, 350 feet northerly of Evening Creek.
		S00-37W 10294 (3137.6)	
	427		W 1/16 on north line of Sec. 23, T. 27 S., R. 6 1/2 E.
		S89-12E 3949 (1203.7)	Along the north line of said Sec. 23.
	428		Northeast corner of said Section 23.
		S89-22E 5291 (1612.7)	Along north line of Sec. 24, T.27S., R. 6 1/2 E.
	429		Northeast corner of said Sec. 24.
		S00-24E 709 (216.1)	Along east line of said Sec. 24.
	430		Northwest corner of Sec. 30, T. 27 S., R. 7 E.
		S88-25E 1812 (552.3)	Along the north line of said Sec. 30.
	431		A point on the north line of said Sec. 30 on the west bank, at the ordinary high waterline of Miller Creek.
		S10-51E 197 (60.0)	
	432	S11-23E 157 (47.9)	Descend along the ordinary high water- line of Miller Creek.
	433	S37-00E 249 (75.9)	
	434	S32-07E 152 (46.3)	
	435		

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE Map No. 3	436	S25-11E	186	(56.7)	
	437	S22-49E	199	(60.7)	
	438	S20-27E	180	(54.9)	Descend along the ordinary high water- line of Miller Creek.
	439	S15-35E	108	(32.9)	
		S32-37E	59	(18.0)	
	440				A point on the ordinary high waterline of Miller Creek.
		S37-06W	4096	(1248.5)	
	441				Northeast corner of Sec. 25, T. 27 S., R. 6 1/2 E., W.M.
		S01-08W	5309	(1618.2)	Along east line of said Sec. 25.
	442				Southeast corner of Sec. 25, T. 27 S., R. 6 1/2 E.
		N89-53W	5317	(1620.6)	Along south line of said Sec. 25.
	443				A point in an intermittent stream on the south line of said Sec. 25.
		S07-40W	52	(15.8)	
	444	S76-32W	99	(30.2)	
	445	S80-07W	134	(40.8)	Ascend intermittent stream.
	446	N83-28W	167	(50.9)	
	447	N73-49W	169	(51.5)	
	448	N77-44W	235	(71.6)	
	449	S86-47W	160	(48.8)	
	450	S88-10W	218	(66.4)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
MILLER LAKE Map No. 3	451			
	452	S76-10W	138 (42.1)	
	453	S83-50W	186 (56.7)	
	454	S75-58W	153 (46.6)	
	455	S81-16W	270 (82.3)	
	456	S75-21W	269 (82.0)	
	457	S81-13W	138 (42.1)	Ascend intermittent stream.
	458	S85-13W	240 (73.2)	
	459	S78-45W	190 (57.9)	
	460	S86-20W	313 (95.4)	
	461	N87-34W	283 (86.3)	
	462	S89-24W	190 (57.9)	
	463	S70-21W	164 (50.0)	
	464	S79-06W	217 (66.1)	
	465	00-00W	220 (67.1)	
	466	S76-26W	175 (53.3)	
	467	S62-39W	65 (19.8)	
	468	00-00W	257 (78.3)	
	469	S61-16W	189 (57.6)	
	470	S61-51W	210 (64.0)	
	471	S82-41W	149 (45.4)	
				A point in said intermittent stream at the intersection of a minor draw. Approximate elevation 6,280 feet.

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE Map No. 3	472	S49-20W	94 (28.7)	
	473	S36-49W	219 (66.8)	
	474	S35-17W	189 (57.6)	
	475	S37-40W	272 (82.9)	
	476	S30-17W	173 (52.7)	Ascend minor draw.
	477	S36-52W	75 (22.9)	
	478	S59-39W	176 (53.6)	
	479	S60-18W	139 (42.4)	
	480	S69-35W	100 (30.5)	
		S64-22W	55 (16.8)	
	481			A high point on a spur ridge. Approximate elevation 6470 feet.
		S39-52W	2053 (625.8)	
	482			A point on a spur ridge. Elevation 6400 feet.
		S63-52E	4396 (1339.9)	
	483			A point on the south Sec. line of Sec. 35, T. 27 S., R. 6 1/2 E., W.M.
		S44-34E	4353 (1326.8)	
	484			A point in Sink Creek. Elevation 5800 feet.
		S77-37W	6889 (2099.8)	
	485			A point in an intermittent stream. Elevation 6200 feet.
	486	S27-47W	84 (25.6)	Ascend said intermittent stream.
		S32-30W	121 (36.9)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE 487				
Map No. 3	S36-24W	123	(37.5)	
488	S59-06W	142	(43.3)	
489	S59-06W	136	(41.5)	Ascend said intermittent stream.
490	S01-00W	110	(33.5)	
491	N83-49W	121	(36.9)	
492	N64-13W	131	(39.9)	
493	N77-54W	86	(26.2)	
494	N86-25W	16	(4.9)	
495				A point in an intermittent stream. Elevation 6300 feet.
	S05-09W	835	(254.5)	Ascend north facing slope.
496				A point on a ridge. Elevation 6365 feet.
	S44-20E	3733	(1137.8)	
497				A turning point. Elevation 5900 feet.
	S38-02E	99	(30.2)	
498	S29-19E	65	(19.8)	
499	S03-35E	64	(19.5)	Along 5900 foot contour.
500	S07-28W	85	(25.9)	
501	S27-18W	70	(21.3)	
502	S56-28W	107	(32.6)	
503	S54-01W	104	(31.7)	
504	S48-36W	79	(24.1)	
505				A point in an intermittent stream. Elevation 5900 feet.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE Map No. 3		S16-30E	56	(17.1)	
	506	N87-12E	102	(31.1)	
	507	N86-16E	92	(28.0)	
	508	S75-30E	60	(18.3)	
	509	S45-00E	45	(13.7)	
	510	S09-28E	67	(20.4)	
	511	S05-43W	100	(30.5)	Along 5900 foot contour.
	512	S00-34E	102	(31.1)	
	513	S02-14W	180	(54.9)	
	514	S01-12W	144	(43.9)	
	515	S19-33W	81	(24.7)	
	516	S22-21W	97	(29.6)	
	517	S33-07W	55	(16.8)	
	518	S57-28W	69	(21.0)	
	519	S68-43W	83	(25.3)	
	520	N84-10W	88	(26.8)	
	521	S87-08W	80	(24.4)	
	522	S68-19W	95	(29.0)	
	523	S53-26W	77	(23.5)	
	524	S57-32W	65	(19.8)	
	525	S66-02W	59	(18.0)	
	526	S70-34W	72	(21.9)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE	527			
Map No. 3	S89-11W	70	(21.3)	
	528			
	S64-39W	42	(12.8)	Along 5900 foot contour.
	529			
	S45-00W	31	(9.4)	
	530			A point in an intermittent stream. Elevation 5900 feet.
	N55-27W	129	(39.3)	
	531			
	N71-29W	211	(64.3)	
	532			
	N64-59W	149	(45.4)	
	533			
	N86-03W	233	(71.0)	
	534			
	N84-09W	255	(77.7)	Ascend intermittent stream.
	535			
	S88-05W	210	(64.0)	
	536			
	N83-16W	111	(33.8)	
	537			
	S73-20W	164	(50.0)	
	538			
	S65-04W	126	(38.4)	
	539			
	S58-13W	192	(58.5)	
	540			
	S55-31W	263	(80.2)	
	541			
	S62-38W	159	(48.5)	
	542			
	S73-59W	203	(61.9)	
	543			
	S81-40W	83	(25.3)	
	544			
	S58-49W	228	(69.5)	
	545			
	S52-46W	220	(67.1)	
	546			
	S51-27W	252	(76.8)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
MILLER LAKE Map No. 3	547			
	548	S56-23W	237 (72.2)	
	549	S60-13W	183 (55.8)	Ascend intermittent stream.
		S49-20W	103 (31.4)	
	550			A point in an intermittent stream. Elevation 6230 feet.
DIAMOND LAKE NE Map No. 4	551	S89-34W	808 (246.3)	
		N89-14W	968 (295.0)	
	552			A turning point. Elevation 6200 feet.
		S22-03W	4146 (1263.7)	
	553			A point on a spur ridge. Elevation 6200 feet.
DIAMOND LAKE SE Map No. 5		S36-56W	1400 (426.7)	
	554			A turning point on a spur ridge. Elevation 5920 feet.
		S00-06E	10799 (3291.5)	
	555			A turning point. Oregon State Plane Coordinates X=1,596,334. Y=524,326.
		N88-59W	13012 (3966.1)	
	556			A turning point. Oregon State Plane Coordinates X=1,583,324. Y=524,558.
		N54-04W	4966 (1513.6)	
	557			A turning point. Oregon State Plane Coordinates X=1,579,303. Y=527,473.



QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
DIAMOND LAKE SE Map No. 5	N78-56W	7202 (2195.2)	
	558		Summit of unnamed butte. Elevation 6282 feet.
	N23-51E	1239 (377.6)	
	559		A turning point. Oregon State Plane Coordinates X=1,572,736. Y=529,989.
DIAMOND LAKE NE Map No. 4	N00-26W	5577 (1699.9)	
	560		
	N00-08E	16198 (4937.2)	
	561		A point on the south line of Sec. 34, T.27S., R.6E. Elevation 6240 feet.
	S89-02E	4190 (1277.1)	Along south line of said Sec. 34.
	562		The southeast corner of said Sec. 34.
	N01-11E	5288 (1611.8)	Along east line of said Sec. 34.
	563		The southeast corner of Sec. 27, T.27S., R.6E.
	N01-05E	5267 (1605.4)	Along east line of said Sec. 27.
	564		The northwest corner of Sec. 26, T.27S., R.6E.
	N71-34E	82 (25.0)	Along north line of said Sec. 26.
	565		A point on north line of said Sec. 26.
	N00-45E	2571 (783.6)	
	566		A turning point in a minor drainage.
	S89-44E	5264 (1604.5)	
	567		A turning point. Oregon State Plane Coordinates. X=1,582,505 Y=564,819.

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
DIAMOND LAKE NE Map No. 4	N01-06E	2666 (812.6)	
568			A turning point. Oregon State Plane Coordinates X=1,582,556 Y=567,485.
	S89-06E	2410 (734.6)	
569			A turning point. Oregon State Plane Coordinates X=1,584,966 Y=567,447.
	N01-17E	13446 (4098.3)	
SUMMIT LAKE SE Map No. 1	N02-00E	2917 (889.1)	
571			A turning point in an intermittent stream. Oregon State Plane Coordinates X=1,585,368 Y=583,805.
	N44-27W	1342 (409.0)	
572			A turning point on a knob. Approximate elevation 6010 feet.
573	N11-06E	379 (115.5)	
574	N11-01E	492 (150.0)	Northerly
575	N10-02E	424 (129.2)	
576	N16-39E	223 (68.0)	
577	N00-00E	88 (26.8)	
	N05-50W	99 (30.2)	
578			A knob. Elevation 6337 feet.
579	N01-10W	294 (89.6)	
580	N02-54E	495 (150.9)	Northerly.
	N01-41E	408 (124.4)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
SUMMIT LAKE	581		
SE			
Map No. 1	582	N01-23W 498 (151.8)	
		N02-13W 466 (142.0)	Northerly.
	583	N06-07W 347 (105.8)	
	584	N00-45E 154 (46.9)	
	585	N06-35W 52 (15.8)	
	586	The summit of Cinder Butte. Elevation 6569 feet.	
		N19-30W 102 (31.1)	
	587	N20-03W 158 (48.2)	
	588	N28-42W 287 (87.5)	
	589	N19-22W 271 (82.6)	Along ridge.
	590	N11-09W 269 (82.0)	
	591	N08-13W 196 (59.7)	
	592	N01-26E 160 (48.8)	
	593	N02-50E 202 (61.6)	
	594	N15-23E 185 (56.4)	
	595	N14-16E 244 (74.4)	
	596	N07-05E 308 (93.9)	
	597	N09-48E 305 (93.0)	
	598	N04-37E 323 (98.5)	
	599	N08-32W 283 (86.3)	
	600	N09-41W 333 (101.5)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
SUMMIT LAKE 601 SE	N20-51W	233 (71.0)	
Map No. 1 602	N16-14W	279 (85.0)	
603	N10-59W	273 (83.2)	
604	N18-58W	345 (105.2)	
605	N04-46W	337 (102.7)	
606	N11-01W	272 (82.9)	
607	N01-32E	150 (45.7)	Along ridge.
608	N08-25E	362 (110.3)	
609	N12-12E	454 (138.4)	
610	N17-10E	400 (121.9)	
611	N12-29E	250 (76.2)	
612	N14-43E	205 (62.5)	
613	N06-09E	205 (62.5)	
614	N00-00E	150 (45.7)	
615	N06-45W	153 (46.6)	
616	N10-09W	165 (50.3)	
617	N08-56W	142 (43.3)	
618	N01-47W	128 (39.0)	
619	N08-54E	233 (71.0)	
620	N22-21E	195 (59.4)	
621	N31-53E	212 (64.6)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
SUMMIT LAKE 622			
SE	N30-19E	151 (46.0)	
Map No. 1 623	N46-36E	151 (46.0)	
624	N50-12E	94 (28.7)	Along ridge.
625	N55-32E	163 (49.7)	
626	N68-28E	82 (25.0)	
627	N65-33E	121 (36.9)	
628	N45-28E	174 (53.0)	
629	N38-54E	146 (44.5)	
630	N29-45E	113 (34.4)	
631	N29-59E	120 (36.6)	
632			A point in the North Umpqua River at the intersection of Tolo Creek.
	N13-38E	68 (20.7)	
633	N24-51E	150 (45.7)	
634	N37-57E	127 (38.7)	Ascend Tolo Creek.
635	N52-42E	158 (48.2)	
636	N51-45E	132 (40.2)	
637	N36-21E	132 (40.2)	
638	N26-57E	132 (40.2)	
639	N27-11E	166 (50.6)	
640	N19-26E	108 (32.9)	
641	N09-04E	190 (57.9)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
SUMMIT LAKE	642				
SE		N03-37E	190	(57.9)	
Map No. 1	643	N00-39E	176	(53.6)	
	644	N02-03E	168	(51.2)	
	645	N06-20E	109	(33.2)	
	646	N11-46E	98	(29.9)	
	647	N18-15E	192	(58.5)	
	648	N22-58E	100	(30.5)	Ascend Tolo Creek.
	649	N34-30E	155	(47.2)	
	650	N51-36E	135	(41.1)	
	651	N47-27E	198	(60.4)	
	652	N59-27E	142	(43.3)	
	653	N64-26E	102	(31.1)	
	654	N71-02E	135	(41.1)	
	655	N49-34E	142	(43.3)	
	656	N43-05E	85	(25.9)	
	657	N43-42E	124	(37.8)	
	658	N45-00E	14	(4.3)	
	659	N43-01E	82	(25.0)	
	660	N71-34E	82	(25.0)	
	661	S86-38E	102	(31.1)	
	662	S80-32E	97	(29.6)	
	663	N89-25E	196	(59.7)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
-----				
SUMMIT LAKE	664			
SE		S85-24E	225 (68.6)	
Map No. 1	665	S75-48E	171 (52.1)	
	666	S84-34E	84 (25.6)	
	667	N75-23E	95 (29.0)	
	668	N72-39E	117 (35.7)	Ascend Tolo Creek.
	669	N75-43E	114 (34.7)	
	670	N87-26E	134 (40.8)	
	671	S84-12E	119 (36.3)	
	672	N87-26E	134 (40.8)	
	673	S86-01E	86 (26.2)	
	674	N63-26E	94 (28.7)	
	675	N76-41E	78 (23.8)	
	676	N69-12E	107 (32.6)	
	677	N64-22E	55 (16.8)	
-----				
	678			A point in Tolo Creek at intersection with an unnamed drainage.
-----				
		N56-19E	79 (24.1)	
	679	N55-06E	105 (32.0)	Ascend Tolo Creek.
	680	N45-54E	181 (55.2)	
	681	N38-33E	164 (50.0)	
	682	N34-23E	138 (42.1)	
	683	N19-26E	144 (43.9)	

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)	DESCRIPTION
SUMMIT LAKE SE Map No. 1	684 N00-00W	120 (36.6)	
	685 N04-29W	102 (31.1)	
	686 N04-46W	120 (36.6)	
	687 N12-13W	184 (56.1)	Ascend Tolo Creek.
	688 N01-00E	114 (34.7)	
	689 N03-52E	148 (45.1)	
	690 N07-33E	167 (50.9)	
	691 N08-37E	134 (40.8)	
	692 N09-28E	85 (25.9)	
	693		A point in Tolo Creek. Elevation 4960 feet.
	N21-10E	4670 (1423.4)	
SUMMIT LAKE SE Map No. 1	1		The Point of Beginning.