

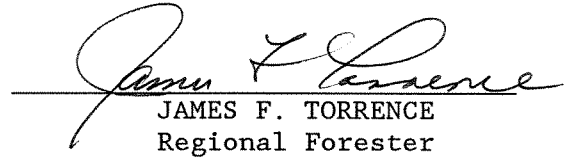
MIDDLE SANTIAM

Willamette National Forest

I hereby certify that the legal boundary description and map herewith represent the location of the boundary of the Middle Santiam Wilderness on the Willamette National Forest as entered into the National Wilderness Preservation System by the Act of June 26, 1984.

Signed

9-17-87  
(Date)

  
JAMES F. TORRENCE  
Regional Forester

### Definition of Intent

The legal description of the Middle Santiam 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 Middle Santiam 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.

# MIDDLE SANTIAM 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
DETROIT SW Map No. 2	1		Summit of Knob Rock, elevation 4,715 feet, Latitude 44-32-46.26 North, Longitude 122-11-44.69 West, unsurveyed T.12S., R.5E., WM, Oregon grid coordinates North Zone X=1,557,930 Y=325,286.
	N86-16E	215 (65.5)	
	2 N59-48E	141 (43.0)	
	3 N48-05E	118 (36.0)	
	4 N54-51E	120 (36.6)	
	5 N81-21E	346 (105.5)	Descend ridge.
	6 N81-34E	320 (97.5)	
	7 N80-09E	438 (133.5)	
	8 N77-17E	168 (51.2)	
	9 N88-03E	354 (107.9)	
	10 S84-57E	409 (124.7)	
	11 N88-17E	268 (81.7)	
	12 S86-14E	152 (46.3)	
	13		A point on ridge. Elevation 3920 feet.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2		S79-07E	291 (88.7)	
	14	N83-44E	275 (83.8)	Descend along a spur ridge.
	15	N79-05E	348 (106.1)	
	16	N68-40E	344 (104.9)	
	17	N68-09E	196 (59.7)	
	18			A point in an unnamed tributary of Swamp Creek.
		S45-29E	251 (76.5)	
	19	S38-19E	389 (118.6)	
	20	S30-13E	238 (72.5)	
	21	S53-12E	149 (45.4)	Descend said unnamed tributary of Swamp Creek.
	22	S46-28E	138 (42.1)	
	23	S11-52E	307 (93.6)	
	24	S06-30E	239 (72.8)	
	25	S06-16E	174 (53.0)	
	26	S17-44E	154 (46.9)	
	27	S35-14E	400 (121.9)	
	28	S27-54E	231 (70.4)	
	29	S17-25E	341 (103.9)	
	30	S22-02E	328 (100.0)	
	31	S33-48E	277 (84.4)	
	32	S60-07E	163 (49.7)	
	33	S67-43E	90 (27.4)	
	34	S11-51W	248 (75.6)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2	35	S10-51W	223	(68.0)	
	36	S19-09W	201	(61.3)	
	37	S13-24W	198	(60.4)	
	38	S19-17W	236	(71.9)	
	39	S20-22W	207	(63.1)	Descend said unnamed tributary of Swamp Creek.
	40	S36-07W	275	(83.8)	
	41	S34-46W	191	(58.2)	
	42	S21-28W	448	(136.6)	
	43	S31-15W	378	(115.2)	
	44	S44-45W	161	(49.1)	
	45	S37-49W	339	(103.3)	
	46	S40-04W	329	(100.3)	
	47	S20-23W	241	(73.5)	
	48	S08-40E	199	(60.7)	
	49	S21-02E	320	(97.5)	
	50	S06-46W	339	(103.3)	
	51	S27-33W	210	(64.0)	
	52	S21-17W	102	(31.1)	
	53				Confluence of said unnamed tributary of Swamp Creek with Swamp Creek.
	54	S81-15E	145	(44.2)	Ascend Swamp Creek.
		S75-41E	247	(75.3)	
	55				A point in Swamp Creek which is 200 feet Easterly of USFS Trail #3382.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2		S30-17W	476 (145.1)	
	56	S28-41W	169 (51.5)	
	57	S06-46W	221 (67.4)	
	58	S13-11E	294 (89.6)	
	59	S38-21E	293 (89.3)	
	60	S35-49E	456 (139.0)	
	61	S27-24E	309 (94.2)	Paralleling USFS Trail #3382, 200 feet Easterly of centerline.
	62	S25-50E	177 (53.9)	
	63	S54-02E	63 (19.2)	
	64	S27-14W	269 (82.0)	
	65	S25-31W	341 (103.9)	
	66	S23-29W	258 (78.6)	
	67	S08-45W	276 (84.1)	
	68	S11-28E	211 (64.3)	
	69	S20-42E	184 (56.1)	
	70	S48-10E	319 (97.2)	
	71	S50-37E	462 (140.8)	
	72	S58-18E	304 (92.7)	
	73	S52-22E	193 (58.8)	
	74	S36-39E	258 (78.6)	
	75	S46-34E	415 (126.5)	
	76	S43-38E	414 (126.2)	
	77	S51-42E	376 (114.6)	
	78			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2		S41-37E	300	(91.4)	Paralleling USFS Trail #3382, 200 feet Northeasterly of centerline.
	79	S21-45E	208	(63.4)	
	80				A point which is 200 feet Westerly of and perpendicular to the centerline of USFS Road 2041 and 200 feet North- easterly of and perpendicular to the centerline of USFS Trail #3382.
		S01-56W	178	(54.3)	
	81	S20-58E	193	(58.8)	
	82	S33-25W	232	(70.7)	
	83	S49-12W	222	(67.7)	
	84	S76-27W	145	(44.2)	
	85	N75-28W	223	(68.0)	Paralleling USFS Road 2041, 200 feet Northerly and Westerly of the centerline.
	86	N61-32W	365	(111.3)	
	87	N60-04W	237	(72.2)	
	88	N67-23W	117	(35.7)	
	89	N84-41W	227	(69.2)	
	90	S65-05W	233	(71.0)	
	91	S29-11W	137	(41.8)	
	92	S16-05E	116	(35.4)	
	93	S15-31E	224	(68.3)	
	94	S34-55E	259	(78.9)	
	95	S29-28E	309	(94.2)	
	96	S42-15E	147	(44.8)	
	97	S44-20W	60	(18.3)	
	98				

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2		S49-52W	158	(48.2)	
	99	S22-52W	160	(48.8)	
	100	S27-11W	208	(63.4)	
	101	S12-15W	264	(80.5)	Paralleling USFS Road 2041, 200 feet Northerly and Westerly of the centerline.
	102	S31-50E	171	(52.1)	
	103	S17-32E	182	(55.5)	
	104	S35-35E	125	(38.1)	
	105	S67-08E	201	(61.3)	
	106	S86-20E	156	(47.5)	
	107				A point which is 200 feet Southerly of and perpendicular to the centerline of USFS Road 2041.
		S09-55W	348	(106.1)	Descend.
	108				A point in Middle Santiam River.
		S53-36W	586	(178.6)	
	109				A point which is 200 feet Northerly of and perpendicular to the centerline of USFS Road 2041.
		N71-34W	174	(53.0)	
110		N62-48W	203	(61.9)	
111		N46-50W	330	(100.6)	
112		N31-21W	279	(85.0)	Paralleling USFS Road 2041, 200 feet Northerly of centerline.
113		N40-22W	272	(82.9)	
114		N57-49W	402	(122.5)	
115		N79-44W	269	(82.0)	
116					



QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2		S75-54W	222	(67.7)
	117	S38-08W	118	(36.0)
	118	S14-08W	147	(44.8)
	119	S22-09W	93	(28.3)
	120	N70-04W	340	(103.6)
	121	N79-20W	335	(102.1)
	122	S72-19W	362	(110.3) Paralleling USFS Road 2041, 200
	123	S46-56W	250	feet Northerly of centerline.
	124	S20-38W	264	(80.5)
	125	S27-26E	234	(71.3)
	126	S24-11E	215	(65.5)
	127	S01-26W	80	(24.4)
	128	S87-33W	117	(35.7)
	129	S73-09W	297	(90.5)
	130	S57-13W	194	(59.1)
	131	S68-58W	139	(42.4)
	132	S28-47W	104	(31.7)
	133	S29-57W	136	(41.5)
	134	S19-52W	88	(26.8)
	135	S78-28W	50	(15.2)
	136	N78-32W	70	(21.3)
	137	N17-48W	173	(52.7)
	138	N20-57W	224	(68.3)
	139			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2		N24-06W	208	(63.4)	
	140	N62-13W	232	(70.7)	Paralleling USFS Road 2041, 200 feet Northerly of centerline.
	141	S79-08W	180	(54.9)	
	142				A point which is 200 feet Northerly of and perpendicular to the center- line of USFS Road 2041.510, at its intersection with USFS Road 2041.
	143	N86-13W	258	(78.6)	
	144	S86-49W	324	(98.8)	
	145	S73-28W	257	(78.3)	
	146	S44-49W	226	(68.9)	
	147	S64-57W	203	(61.9)	Paralleling USFS Road 2041.510, 200 feet Northerly of centerline.
	148	S85-33W	194	(59.1)	
	149	S52-34W	123	(37.5)	
	150	S41-44W	99	(30.2)	
	151	S87-12W	102	(31.1)	
	152	N64-17W	182	(55.5)	
	153	N74-24W	249	(75.9)	
	154	S89-44W	220	(67.1)	
	155	S77-54W	272	(82.9)	
	156	S55-12W	144	(43.9)	
	157	S60-42W	206	(62.8)	
ECHO MTN. NW Map No. 3	158	S43-34W	197	(60.0)	
	159	S29-26W	179	(54.6)	
		S11-57W	140	(42.7)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
ECHO MTN. NW Map No. 3	160			
		N68-54W	197	(60.0)
	161			
		N70-02W	214	(65.2)
	162			
DETROIT SW Map No. 2		N57-28W	82	(25.0)
	163			
		N01-49W	126	(38.4) Paralleling USFS Road 2041.510, 200
	164			feet Northerly of centerline.
		N10-57W	126	(38.4)
	165			
		N01-35W	72	(21.9)
	166			
		N23-04W	220	(67.1)
	167			
		N43-40W	182	(55.5)
	168			
		N62-17W	178	(54.3)
	169			
		S89-28W	216	(65.8)
	170			
		S53-40W	127	(38.7)
	171			
		S30-11W	113	(34.4)
	172			A point 200 feet Northwesterly of and perpendicular the centerline of USFS Road 2041.610 in an unnamed tributary of Jude Creek.
		S73-25W	403	(122.8)
	173			
		S80-49W	138	(42.1)
	174			
		N77-30W	226	(68.9) Descend said unnamed tributary of
	175			Jude Creek.
		S86-08W	253	(77.1)
	176			
		S71-52W	241	(73.5)
	177			
		S83-01W	255	(77.7)
	178			
		S74-17W	140	(42.7)
	179			
		N84-02W	240	(73.2)
	180			

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2		N85-27W	88	(26.8)	
	181	N64-07W	410	(125.0)	Descend said unnamed tributary of Jude Creek.
	182	N66-39W	358	(109.1)	
	183				Confluence of said unnamed tributary of Jude Creek and Jude Creek.
		N17-54E	68	(20.7)	
	184	N00-54E	128	(39.0)	Descend Jude Creek.
	185	N06-41W	206	(62.8)	
	186				Confluence of unnamed tributary with Jude Creek.
		N65-47W	349	(106.4)	
	187	N63-31W	330	(100.6)	
	188	N59-53W	289	(88.1)	
	189	N70-32W	210	(64.0)	
	190	S82-09W	169	(51.5)	
	191	S62-42W	281	(85.6)	Ascend said unnamed tributary of Jude Creek.
	192	S51-01W	358	(109.1)	
	193	S64-24W	241	(73.5)	
	194	S72-58W	311	(94.8)	
	195	S80-13W	477	(145.4)	
	196	S70-42W	442	(134.7)	
	197	S75-01W	325	(99.1)	
	198	S88-49W	241	(73.5)	
	199	S81-26W	168	(51.2)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2	200			A point in unnamed tributary of Jade Creek which is 200 feet Easterly of and perpendicular to the centerline USFS Road 2042.
	201	N16-28E	194 (59.1)	
	202	N28-37E	238 (72.5)	
	203	N13-58E	207 (63.1)	
	204	N18-34W	132 (40.2)	
	205	N48-57W	400 (121.9)	
	206	N58-36W	250 (76.2)	Paralleling USFS Road 2042, and associated spur roads, 200 feet Easterly and Northerly of centerline.
	207	N66-59W	253 (77.1)	
	208	S86-02W	202 (61.6)	
	209	S48-28W	94 (28.7)	
	210	S61-01W	74 (22.6)	
	211	N86-42W	156 (47.5)	
	212	N89-14W	148 (45.1)	
	213	S28-49W	183 (55.8)	
		S00-35W	196 (59.7)	
	214			A point which is 200 feet Southwest of the end of USFS Road 2042.
	215	S41-55E	171 (52.1)	
	216	S74-30E	161 (49.1)	Paralleling USFS Road 2042, 200 feet Westerly and Southerly of centerline.
	217	N52-30E	108 (32.9)	
		S76-55E	102 (31.1)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2	218			A point 200 feet Southerly of and perpendicular to the centerline of USFS Road 2042 on a broad ridge.
	219	S33-18E	80 (24.4)	
	220	S03-42W	295 (89.9)	
	221	S14-14W	220 (67.1)	Ascend broad ridge.
	222	S17-47W	223 (68.0)	
	223	S55-50W	102 (31.1)	
ECHO MTN. NW Map No. 3	224	S34-04W	86 (26.2)	
	225	S56-42W	122 (37.2)	
	226	S54-45W	142 (43.3)	
	227	S88-53W	258 (78.6)	
	228	N88-52W	402 (122.5)	Descend a spur ridge.
	229	N90-00W	240 (73.2)	
	230	S69-12W	285 (86.9)	
	231	S61-22W	236 (71.9)	
	232	S57-50W	146 (44.5)	
	233	S80-02W	92 (28.0)	
	234	N66-11W	253 (77.1)	
	235	N69-10W	354 (107.9)	Along said ridge.
		N55-13W	347 (105.8)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
ECHO	236			
MTN. NW		N55-05W	234 (71.3)	
Map No. 3	237	N74-17W	66 (20.1)	
DETROIT SW	238	N55-47W	450 (137.2)	
Map No. 2	239	N54-30W	351 (107.0)	
	240	N46-25W	258 (78.6)	Along said ridge.
	241	N67-54W	178 (54.3)	
QUARTZVILLE SE	242	N53-30W	430 (131.1)	
Map No. 1	243	N53-23W	228 (69.5)	
	244	N42-42W	211 (64.3)	
	245	N55-30W	198 (60.4)	
	246	N75-29W	411 (125.3)	
	247	N73-46W	461 (140.5)	
	248	N70-29W	383 (116.7)	
	249	N70-04W	578 (176.2)	
	250	N71-36W	488 (148.7)	
	251	N61-54W	285 (86.9)	
	252	N42-15W	309 (94.2)	
	253	N44-22W	255 (77.7)	
	254			A point on said ridge on the East line Section 24, T.12S., R.4E., which is the boundary of the Willamette NF.
		N01-28E	3932 (1198.5)	Along the East line of said Section 24, and along the Willamette NF boundary crossing the Middle Santiam River.

QUAD SHEET NAME	ANGLE BEARING POINT	DISTANCE FEET (METERS)		DESCRIPTION
QUARTZVILLE	255			Southeast corner of Section 13, T.12S., R.4E.
SE				
Map No.				
1	N01-01E	5363	(1634.6)	Along the East line of said Section 13, and along the Willamette NF boundary.
				Southeast corner of Section 12, T.12S., R.4E.
256				
	N02-23W	120	(36.6)	Along the East line of said Section 12, and along the Willamette NF boundary.
257				A point on the East line of said Section 12 on a spur ridge.
	S70-16E	139	(42.4)	
258				
	S52-09E	222	(67.7)	
259				
	S56-36E	214	(65.2)	
260				Ascend spur ridge.
	S65-25E	233	(71.0)	
261				
	S68-58E	223	(68.0)	
262				
	N72-14E	108	(32.9)	
263				A point on the ridge between an unnamed tributary and the Middle Santiam River.
	N55-37E	69	(21.0)	
264				
	N28-29E	294	(89.6)	
265				
	N41-13E	311	(94.8)	
266				
	N50-56E	240	(73.2)	Along said ridge.
267				
	N74-43E	190	(57.9)	
268				
	N81-09E	292	(89.0)	
269				
	N68-56E	331	(100.9)	
270				
	N62-10E	467	(142.3)	
271				



QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
QUARTZVILLE SE Map No. 1	272	N67-14E	377	(114.9)	
	273	N01-00E	286	(87.2)	Along a minor ridge.
	274	S83-41E	236	(71.9)	
		S84-28E	93	(28.3)	
	275	N89-22E	90	(27.4)	
DETROIT SW Map No. 2	276				A point on said ridge which is 200 feet Westerly of and perpendicular to centerline of USFS Trail #3382.
		N74-13E	239	(72.8)	
	277				A point in a draw at the head of Gregg Creek. Elevation 4,400 feet.
	278	N76-43E	130	(39.6)	
	279	S88-20E	138	(42.1)	
	280	S86-49E	288	(87.8)	Along the 4,400 foot elevation.
	281	N48-13E	189	(57.6)	
		N52-54E	293	(89.3)	
	282				A point on the ridge between the Middle Santiam River and the Quartzville drainages. Elevation 4400 feet.
	283	N62-34E	382	(116.4)	
	284	N68-10E	358	(109.1)	
	285	N50-40E	79	(24.1)	Along the divide ridge between Quartzville Creek and Middle Santiam River.
	286	N54-34E	238	(72.5)	
	287	N30-19E	301	(91.7)	
	288	N26-16E	418	(127.4)	

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2		N02-10E	211	(64.3)
	289	N18-30W	284	(86.6)
	290	N08-26E	355	(108.2)
	291	N19-02E	276	(84.1)
	292	N52-07E	171	(52.1)
	293	N74-37E	339	(103.3)
	294	N83-31E	212	(64.6)
	295	N56-46E	378	(115.2)
	296	N44-16E	440	(134.1)
	297	N44-08E	281	(85.6)
	298	N50-45E	183	(55.8)
	299	N61-53E	214	(65.2)
	300	N45-27E	271	(82.6)
	301	N29-29E	343	(104.5)
	302	N11-52E	384	(117.0)
	303	N14-21E	399	(121.6)
	304	N15-16E	418	(127.4)
	305	N17-35E	169	(51.5)
	306	N25-54E	117	(35.7)
	307	N18-42E	69	(21.0)
	308			Top of a knoll on said ridge, elevation 4,672 feet.

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)		DESCRIPTION
DETROIT SW Map No. 2		N44-12E	201	(61.3)	
	309				
		N45-21E	354	(107.9)	
	310				
		N45-33E	219	(66.8)	
	311				
		N34-43E	246	(75.0)	
	312				
		N55-19E	193	(58.8)	
	313				
		N76-17E	173	(52.7)	
	314				
		S74-24E	294	(89.6)	Along the divide ridge between Quartzville Creek and Middle Santiam River.
	315				
		N89-49E	320	(97.5)	
	316				
		S83-38E	244	(74.4)	
	317				
		N75-15E	177	(53.9)	
	318				
		N69-21E	147	(44.8)	
	319				
		S86-51E	400	(121.9)	
	320				
		S89-19E	332	(101.2)	
	321				
		N81-20E	378	(115.2)	
	322				
		N65-02E	322	(98.1)	
	323				
		N66-22E	332	(101.2)	
	324				
		N72-02E	344	(104.9)	
	325				
		N80-14E	483	(147.2)	
	326				
		N85-06E	457	(139.3)	
	327				
		S78-34E	262	(79.9)	
	328				
		S01-00E	100	(30.5)	
	329				
		S25-14E	155	(47.2)	
	330				
		S35-46E	115	(35.1)	
	331				
		S71-11E	93	(28.3)	
	332				

QUAD SHEET NAME	ANGLE POINT	BEARING	DISTANCE FEET (METERS)	DESCRIPTION
DETROIT SW Map No. 2		N86-23E	190	(57.9)
	333	S87-48E	182	(55.5)
	334	S77-32E	320	(97.5)
	335	S67-55E	183	(55.8)
	336	S49-03E	180	(54.9)
	337	S12-08E	262	(79.9)
	338	S02-48W	328	(100.0)
	339	S13-51W	388	(118.3)
	340	S27-52W	372	(113.4)
	341	S15-11W	206	(62.8)
	342	S39-44E	224	(68.3)
	343	S65-13E	229	(69.8)
	344	S69-31E	169	(51.5)
	345	S51-39E	177	(53.9)
	346	S61-27E	412	(125.6)
	347	S52-39E	330	(100.6)
	348	S78-32E	211	(64.3)
	349	S82-21E	233	(71.0)
	350	S75-40E	275	(83.8)
	351	S62-24E	371	(113.1)
	352	S60-08E	249	(75.9)
	353	S57-24E	145	(44.2)

Point of beginning.