

LOW- TO INTERMEDIATE-TEMPERATURE THERMAL SPRINGS AND WELLS IN OREGON

**GEOLOGICAL MAP SERIES
GMS-10**

No. on map	Name of spring or well	Location by T. & R. sec.	Maximum temp. °C(°F)	Ref. no.	Notes
BAKER COUNTY					
1	Radium Hot Springs	28 7S 39E	57(135)	1	(17A) in 1; resort; 300 gpm.
2	Sam-O Spring	16 9S 40E	27(80)	1	(17B) in 1; 400 gpm.
3	Nelson Spring	2 12S 43E	27(80)	1,2	(17) in 1.
4	Huntington City Well	18 14S 45E	24(76)	9	Water-bearing zone at 500'.
5	Kropp Hot Spring	25 6S 39E	43(109)	15	5 gpm.; spring on edge of Powder River.
6	Fisher Hot Spring	10 7S 38E	37(99)	15	500 gpm.
7	Virtue Mine	21 9S 41E	Warm	24	Warm water encountered in lower level of gold mine.
8	Unnamed	18 11S 43E	Warm	15	H ₂ S odor.
9	Unnamed	1 9S 40E	Warm	15	
CLACKAMAS COUNTY					
1	Mt. Hood fumarole	29 2S 9E	90(194)	12	Many fumaroles; anal.
2	Swim	24 3S 8½E	27(80)	1	25 gpm.; several small springs.
3	Austin Hot Springs	30 6S 7E	91(196)	1,15	Anal. in 15; 250-300 gpm. min.
4	Bagby Hot Springs	26 7S 5E	58(136)	1,15	Anal. in 15; bath house; 25 gpm.
5	Carry Hot Springs	21 6S 7E	36(96)	1,15	Geothermal gradient test; zones 120-130' & 400-450'.
CROOK COUNTY					
1	Unnamed Hot Spring S. Fork Crooked River	SE part of 17S 22E	31(87)	6	
2	Camp Creek area	Central portion of Camp Creek	23(73)	6	
DESCHUTES COUNTY					
1	East Lake Hot Springs	29 21S 13E	61(141)	1	(33) in 1; many small springs on edge of lake.
2	Paulina Springs	26 21S 12E	21(70)	1	(32) in 1; 2 springs.
DOUGLAS COUNTY					
1	Umpqua Warm Springs	20 26S 4E	40(105)	1	(24) in 1; 2 springs.
GRANT COUNTY					
1	Ritter Hot Springs	8 8S 30E	43(110)	1	(13) in 1; resort; 35 gpm.
2	Hot Sulphur Springs	35 10S 32E	49(120)	1	(14) in 1; resort.
3	Limekiln Spring	10 14S 33E	21(70)	2	(24) in 2.
4	Blue Mtn. Hot Springs	13 14S 34E	60(139)	1	(16) in 1; several springs.
5	Joaquin Miller Resort	11 15S 31E	38(103)	1	(15) in 1; 2 gpm.
6	Brisolis Ranch Springs	13,24 & 25 17S 27E	22(72)	2	(20) in 2; several springs along zone 3 mi long.
7	Weberg Springs	18 18S 26E	50(122)	2	(18) in 2.
8	Mt. Vernon Hot Springs	9 13S 30E	49(121)	15	Resort; 15-20 gpm.
HARNEY COUNTY					
1	Spring	14 22S 32½E	22(72)	1	(51A) in 1; 225 gpm.
2	O.J. Thomas Well	34 22S 32E	72(162)	14	Greenhouse heating; anal.; 1000' T.D.
3	Several springs	23 22S 36E	62(144)	1,4	(54) in 1; 90 gpm.
4	Millpond Spring	35,36 23S 30E	28(82)	1,4	Maintains millpond for mill; (52) in 1; 3 springs; 1200 gpm.
5	Harney Valley Develop. Co.	8 24S 32E	46(115)	7,14	Oil test; strong sulfur odor; flowing 35 gpm; anal. in 14.
6	Unnamed	12 26S 27E	20(68)	1	(53) in 1; 45 gpm.
7	Dog Mtn. Oil Test	24 25S 30E	60(140)	3,4	(212) in 4; temp. gradient shown in 3 & 4.
8	Island Ranch Well	7 25S 32E	41(106)	14	Anal.
9	Crane Hot Springs	34 24S 33E	80(176)	1,14	Anal. in 14; 2 main springs; 180 gpm.
10	Several springs	16 25S 36E	42(108)	1	(55) in 1; 300 gpm.
11	Baker Spring	24 24S 30E	21(70)	1,4	(153) in 4; 50 gpm.
12	Howell Oil Test	5 26S 32E	41(106)	4	30 gpm.
13	Unnamed	33 26S 29E	20(68)	1,4	(57) in 1; 10 gpm.
14	Several springs	South edge Harney L.	42(108)	1,4	(62D) in 1; 60 gpm.
15	Unnamed	36 27S 29½E	68(154)	1,4	(64) in 1.
16	Dunn Spring	4 27S 30E	21(70)	1,4	(63A) in 1.
17	Lynch Spring	8 27S 30E	18(65)	1,4	(63) in 1.
18	Hoghouse Hot Springs	13 31S 32E	27(80)	1,4	(65) in 1; 1800 gpm.
19	Unnamed	12 32S 32E	32(89)	1,4	(67) in 1; 500 gpm.
20	Unnamed	5 32S 32½E	28(83)	1,4	(66) in 1; 100 gpm.
21	Unnamed	5 19S 29E	29(85)	15	10 gpm.
22	Mickey Springs	13 33S 35E	97(206)	8,15	Anal. in 15; fumaroles, clear pools, & boiling mud pots; 20 gpm.
23	Alvord Spring	33 34S 34E	81(177)	1,14	(68) in 1; 135 gpm; anal. in 14.
24	Hot Lake	15 37S 33E	36(97)	1,8	(70) in 1; water supply for old borax works; 900 gpm.
25	Unnamed	33 37S 36E	46(114)	1	(71A) in 1; 10 gpm.
26	Unnamed	24 38S 37E	38(100)	1	(71) in 1; 30 gpm.
27	Flagstaff Butte Hot Spring	16 39S 37E	53(128)	1	(72) in 1; 45 gpm; several springs.
28	Unnamed	In Harney Lake	21(70)	4	Several springs on NE shore; (357) & (369) in 4.
29	Unnamed	In Harney Lake	33(92)	4	Several springs on SE shore; (359) in 4.
30	Sothouse Spring	35 26S 32E	12(54)	1	(64A) in 1; 1800-5200 gpm.
31	Double O Spring	34 26S 29E	23(74)	1,4	(58) & (59) in 1; 7100 gpm.
32	Basque Spring	31 26S 29E	23(74)	1,4	(60) in 1; 1800 gpm.
33	Johnson Spring	5 27S 29E	22(72)	1,4	(61) in 1; 900 gpm.
34	Hughet Spring	8 27S 29E	20(68)	1,4	(62) in 1; 5900 gpm.
35	Lower Sizemore Spring	15 27S 29E	19(67)	1,4	(62B) in 1; 410 gpm.
36	Upper Sizemore Spring	9 27S 29E	19(67)	1,4	(62A) in 1; 1160 gpm.
37	South shore Harney L.	29 27S 29½E	42(108)	1,4	(62D) in 1; several springs.
38	Unnamed	36 23S 30E	25(78)	1,4	(52A) in 1; 300 gpm.
39	Goodman Spring	35 23S 30E	Warm	1,4	(52B) in 1; 300 gpm.
40	Unnamed	9 24S 30E	12(54)	1,4	(52C) in 1; 330 gpm.
41	Unnamed	10 24S 30E	18(64)	1,4	(52D) in 1; 485 gpm.
42	Roadland Spring	11 24S 30E	22(72)	1,4	(150) in 4; 495 gpm.
43	Unnamed	15 37S 33E	92(198)	1,8	(69) in 1; several springs extending 1 mi NW of Hot Lake.
44	Hotchkiss Well	1 24S 30E	27(81)	15	Depth 564'; 600 gpm.
45	Hines Lumber Co. Well	35 23S 30E	25(77)	15	Depth 200'; 1750 gpm.
46	City of Hines Well	23 23S 30E	17(63)	15	875 gpm.
47	Altrow Hot Spring	4 20S 36E	Warm	15	Swimming pool.
48	Sitz Hot Spring	36 20S 34E	Warm	15	
49	Unnamed	22 38S 34E	32(89)	15	Several springs; 50 gpm.

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JACKSON COUNTY					
1	Jackson Hot Springs	31 38S 1E	40(104)	1,14	8 springs; resort; anal. in 14.
2	Lithia Spring	12 39S 1E	19(66)	28	
KLAMATH COUNTY					
1	Eagle Ridge	24 37S 7½E	34(94)	23	Temp. at old cistern on the shore of Upper Klamath L.; faint odor of H ₂ S.
2	Klamath Falls Geothermal Zone	28 38S 9E	112(234)	1,21,23	150 gpm; original springs no longer present but numerous wells in the vicinity supply heating for O.I.T., schools, residences & business buildings; 350 shallow to moderate depth wells in area 3 mi long and 1 mi wide tap thermal water in Klamath Falls; (27) in 1; anal. in 21 & 23; large areas of siliceous tufa and opalization indicate hot spring activity over long period of time.
3	Holiday	13 39S 8E	21(70)	19	50 gpm.
4	Hardboard Spring	18 39S 9E	21(70)	19	135 gpm; used by hardboard plant.
5	Colwell	27 39S 8E	16(60)	19	450 gpm.
6	Klamath Hills Geothermal Zone	34 40S 9E	93(200)	21,23	Liskey Well reported to produce up to 5000 gpm from depth of 285 ft.; some H ₂ S present; anal. in 23; at least 6 other adjacent wells have temperatures from 80 to 186°; zone of silicification from Klamath Hills almost to Merrill attest to long history of hot spring activity; water wells in and near Merrill also have above normal temperatures.
7	Olene Gap Hot Springs	14 39S 10E	74(165)	1,19	100 gpm. min.; other orifice in 19 & 23; (28) in 1.
8	Roenicke Hot Springs	14 39S 10E	70(158)	19	Part of Olene Gap group of hot springs; used for heating residence and shop.
9	Crystal Spring	22 39S 10E	26(78)	1,19	900-1350 gpm; flow dammed to form fish pond; (28B) in 1.
10	High Bros. (Taylor Warm Spring)	19 39S 11½E	19(66)	1,19	3150 gpm; used for irrigation; (28A) in 1.
11	Frank Gaularte Well	17 36S 11E	21(70)	19	Flows about 4000 gpm; this & other wells near Sprague R. have water temps. from 5-20° above normal.
12	Smith Spring	19 36S 12E	14(57)	19	200 gpm.
13	Casey	30 36S 12E	14(58)	19	200 gpm.
14	Givan	24 36S 12E	18(64)	19	300 gpm.
15	Bonanza Springs	10 39S 11E	15(59)	19	9000-10,000 gpm; includes several orifices near banks of Lost R.; anal.
15A	Bonanza Well	19 39S 12E	93(200)	3,21	4365° T.D.; hit hot water (200°F) at 3850'; temp. gradient data in 21.
16	Fiegl Well	2 40S 11E	28(83)	19	About 25' above normal for depth; other wells in Poe Valley area anomalous.
17	Frye & Barney Well	12 41S 12E	23(73)	19	600 gpm; 22' above normal; typical of wells in Sand Hollow NE of Malin.
18	Big Hot Spring (Oregon Hot Spring or Turner Hot Spring)	10 40S 13E	61(142)	1,19, 21	40 gpm; formerly a spa; the largest of several hot springs along foot of west escarpment of Langell graben; (29) in 1.
19	Harry Martin	15 40S 13E	17(62)	19	200 gpm.
20	Wilkinson's Hot Spring (Paluuck)	6 40S 14E	24(76)	1,19	25 gpm; concrete swimming pool at spring; 2 orifices; (29B) in 1.
21	Several springs	31 24S 5½E	Warm	1	(25) in 1.
22	R. Smith Well	16 36S 11E	25(77)	26	Depth 380'.
23	Klamath Ice Co. Well	33 38S 9E	52(126)	19	
24	J. K. O'Neil Well	34 39S 10E	Warm	15	
25	Unnamed	3 41S 15E	33(92)	15	Strawberry Butte 15' Quadrangle
LAKE COUNTY					
1	Sand Springs	35 25S 19E	17(62)	16	30 gpm; 3 orifices including Mound Spring; (35) in 16.
2	Unnamed	32 26S 18E	17(62)	16	West shore of Christmas L.; 3 gpm.; (36) in 16.
3	Johnson Creek	34 29S 17E	13(56)	16,18	9000 gpm; several springs; (39) in 16.
4	Foster	12 30S 16E	19(66)	18	330 gpm; flows from lake beds near base of fault scarp.
5	Ana River Spring	6 30S 17E	19(66)	1,17, 18,20	48,000-75,000 gpm; several spring orifices; one of large springs of U.S.; (37) in 1.
6	Buckhorn Creek	5 30S 17E	20(68)	16,18	500-1000 gpm; several orifices.
7	Unnamed	23 30S 16E	16(60)	18	10 gpm from terrace lake beds along fault scarp.
8	Unnamed	26 30S 16E	16(60)	18	10 gpm.
9	Emery	1 30S 17E	18(64)	18	2 gpm.
10	Thousand	19 30S 18E	19(66)	1	200 gpm; many small orifices; (40) in 1.
11	Unnamed	24 30S 17E	19(65)	18	50 gpm; 5 orifices; flows from terrace edge.
12	Pardon	35 30S 16E	24(76)	1,18	40 gpm; (41) in 1.
13	Lost Cabin	25 30S 17E	20(67)	18	100 gpm.
14	Summer Lake (Woodward)	12 33S 17E	51(123)	1,18, 20	20 gpm; bath house; strong odor of H ₂ S; anal. in 18; (42) in 1; water wells in this area report warm to hot water.
14A	U.S. Soil Conservation Service Water Well	15 33S 18E	32(92)	18,21	Water zone 100'-134'; many other water wells in & around Paisley report above normal temp.
15	Alkali Lake	12 30S 22E	15(59)	16,18	25 gpm; (43) in 16.
16	XL Spring	23 32S 21E	17(63)	16,18	10 gpm-16; 4000 gpm-18; (44) in 16.
17	Unnamed	10 33S 22E	19(65)	1	20 gpm; (44A) in 1.
18	Unnamed	31 33S 22E	20(68)	1	10 gpm; (44B) in 1.
19	Unnamed	30 34S 22E	27(80)	1	30 gpm; (44C) in 1.
20	Bean Hot Spring	11 37S 20E	20(68)	18	
21	White Rock Ranch Hot Spring	26 36S 20E	20(71)	1	2 springs; (44D) in 1.
22	Hammersley	22 38S 19E	16(60)	18	1000 gpm.
23	Hunters Hot Spring	4 39S 20E	94(202)	1,21,20	
12 main orifices in large thermal area; 600 gpm; includes artesian well ½ mi NW; 200' deep of 120 gpm of boiling water; one other well drilled in 1960 to 650' now used for heating greenhouse complex; (45) in 1; several other shallow wells in area with temp. of 160-200°.					

No. on map	Name of spring or well	Location by T. & R. sec.	Maximum temp. °C(°F)	Ref. no.	Notes
LAKE COUNTY (Continued)					
23A	City of Lakeview	16 39S 20E	26(79)	18,21	312' T.D.; anal. in 18; other water wells in & around Lakeview report warm water.
23B	Stockburger #1 Oil Test Well	15 40S 19E	27(80)	21,7	1730' T.D.; hit flow of warm gassy water; other oil test wells in T 39 & 40S have similar above normal temps.
24	Lelthead Hot Springs (Joyland Plunge)	27 39S 20E	72(162)	21	1,18, 50 gpm; water has odor of H ₂ S; anal. in 18; (46) in 1.
25	Barry Ranch Hot Springs	34 39S 20E	85(185)	21	1,18, 50 gpm; strong odor of H ₂ S; anal. in 18; (47) in 1.
26	Unnamed	35 39S 20E	17(63)	18	20 gpm.
27	Upper Rock Creek	16 35S 28E	46(105-115)	1	50 gpm; several springs; (48) in 1.
28	Antelope Hot Springs	32 35S 28E	40(104)	18	Used as public bath; anal.
29	Hart Mt. Hot Springs	7 36S 28E	Hot	1	Flow not reported; about 200' below crest of Hart Mt.; (49) in 1.
30	Moss 1	3 38S 24E	22(72)	18	500 gpm; used for irrigation.
31	Moss 2	10 38S 24E	28(83)	18	30 gpm; from several orifices.
32	Fisher Hot Springs	10 38S 25E	62(144)	18	H ₂ S present; 20 gpm.
33	Crump	27 38S 24E	40(104)	18,22	
Odor of H ₂ S; anal. in 18; shallow well (100') also at this location (Crump Geyser) at one time erupted boiling water & steam at about 2 hour intervals; another well drilled in 1959 to 1800'± spouted continuously for about 1 year.					
34	Unnamed	34 38S 24E	42(107)	18	H ₂ S odor; 2 gpm; tufa covered terrace.
35	Unnamed	34 38S 24E	73(164)	1	10 gpm; Warner Valley Stock Co.; many siliceous tufa zones; one non