

THE  
GOOD  
BOOK

★

★

THESE UNITED STATES

THERMAL SPRINGS IN



# *The Hot Springs Gazette*

*Edition of*

## THERMAL SPRINGS IN THESE UNITED STATES

*A.K.A. The Good Book*

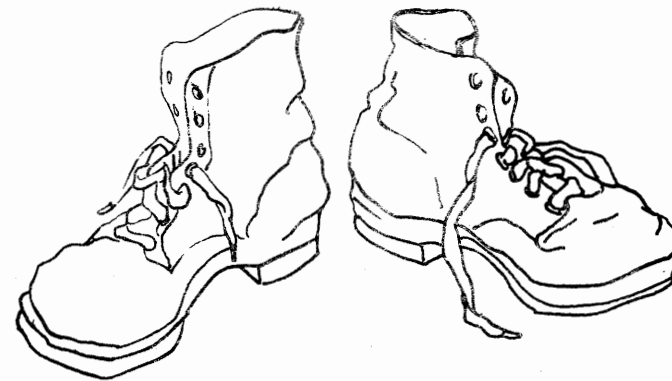
BY

NORAH D. STEARNS, HAROLD T. STEARNS

AND GERALD A. WARING

Illustrations by Florence Irving

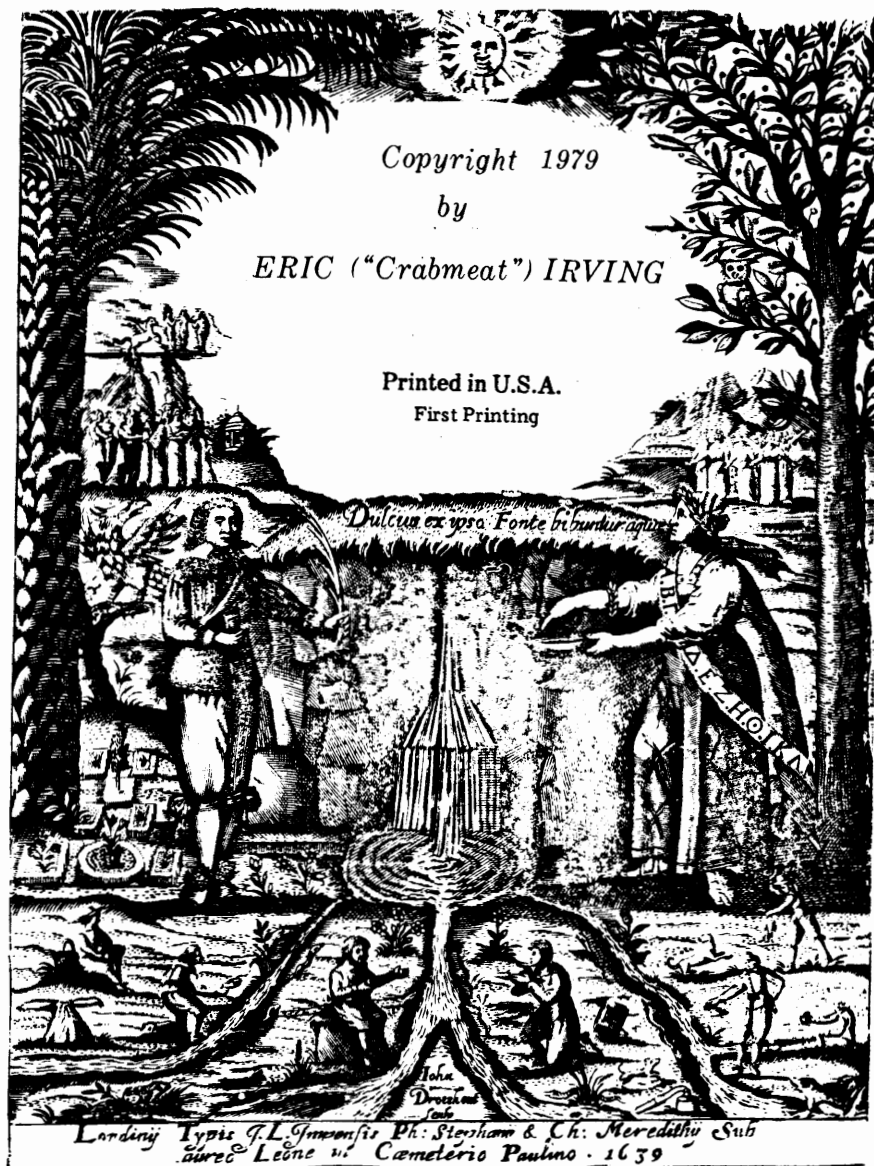
---



**Eric Irving, Editor**

The Doodly-Squat Press

P.O. Box 40124, Albuquerque, N.M. 87196



## CONTENTS

Preface to this Edition .....	ii
Arizona .....	1
Arkansas .....	1
California .....	2
Colorado .....	9
Georgia .....	11
Idaho .....	12
Massachusetts .....	20
Montana .....	20
Nevada .....	22
New Mexico .....	27
Oregon .....	30
Pennsylvania .....	34
South Dakota .....	34
Texas .....	34
Utah .....	35
Virginia .....	38
Washington .....	39
West Virginia .....	40
Wyoming .....	41

## PREFACE

Here at *The Hot Springs Gazette*, we receive more inquiries about this, The Good Book, than any other topic. Our readers report that the previous reprint of the directory, *Great Hot Springs of the West*, has gone out of print, along with its predecessor, which was advertised in the *Whole Earth Catalogue*. Looks like someone has to do it, so may we present *The Hot Springs Gazette* edition of The Good Book. Ta-da.

You may notice that it's cleaner and leaner than previous editions. Our aim was to make it backpack-size, yet to keep the typesetting as large as possible. We have therefore omitted the bibliographical references (which are useless for our purposes here) and the individual geological notes (for which we apologize). Its improvements over earlier editions include more convenient map placement, inclusion of hot springs in the Eastern and Southern states (Alaska and Hawaii directories are available upon request), and a gaggle of little creatures, mostly frogs.

Since this book was originally published over 40 years ago, you may find some of the material dated. Olympic Hot Springs (Washington #3), for instance, is called a resort in the remarks, but has since returned to its natural state. Unhappily, the reverse is usually the case. Be warned. Also, you'll notice that the directions to some of the springs say, "in sec. 17, T.4S., R. 27 W." for example. These coordinates correspond to the charts published by the U.S. Geological Survey, or Topo maps for short. These are readily and reasonably purchased in map specialty shops and the better backpacking stores. Excluding *The Hot Springs Gazette*, divining rods and this book, you can't find a better tool for hunting hot springs.

After you've found your hot spring, we urge you to dispatch its location and vital statistics to *The Hot Springs Gazette* and thus acquire a coveted lifetime subscription. We also welcome your drawings, photos, news clippings or any other hot spring related matter. We'll print your report or keep it in our classified file, whichever you please. P.O. Box 40124, Albuquerque, N.M. 87196. It's high time this information was updated and it can't be done without *you*, the bather. This is your big chance to participate in civilization, so don't muff it. Happy hunting!



# Hot Springs and Pools of the Southwest



196 pages • 500 Listings • 29 Maps • 280 Photos

The complete illustrated Directory of primitive and commercial places where you can go and legally put your body in the hot water.

Compiled by the AQUA THERMAL ASSOCIATION

For free information and 8-page preview brochure, send name and address to:

ATA PREVIEW Box 841 Van Nuys, CA 91408  
(or get immediate shipment by enclosing \$10.00)

## Hotcakes!

Issue #1. The one and only original. Lovely Illustrations. Maps. Directions. Lurid prose. Features 15 Hot Springs. And More! Entirely written by your humble editor. \$2 post-paid.



### THE HOT SPRINGS GAZETTE



The Big California Issue. 25 Hot Springs. Seven letters from knowledgeable readers. Irving Expostulates. Interview. Book Review. Two New Artists. Guest Editorial. The Entire Good Book for California. And More! \$2 postpaid.

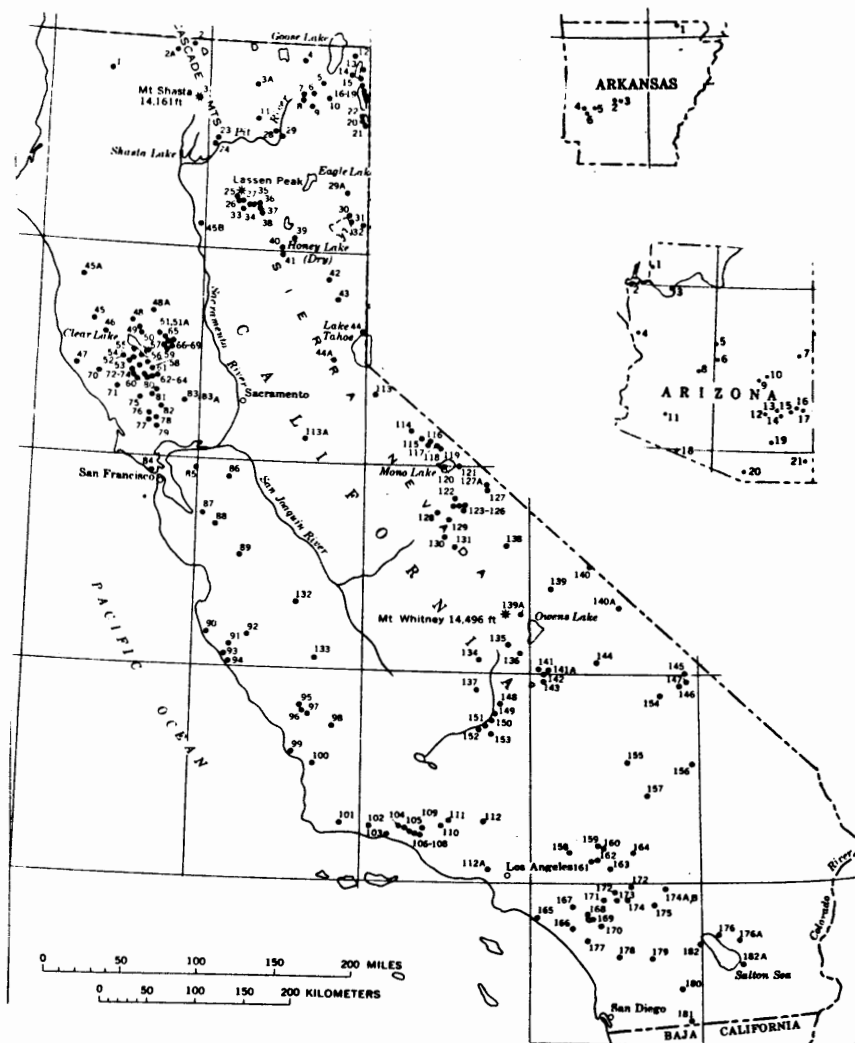
ERIC IRVING  
P.O. Box 40124  
Albuquerque, N.M. 87196

#### ARIZONA

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Mohave County</b>					
1	Tributary of Grand Wash, 18 miles north of Colorado River.	Pakoon Spring	100		Not used. Also spelled Pah-gun.
2	Colorado River, 5 miles south of Boulder Dam, sec. 23, T. 30 N., R. 23 E.	(?)	Hot		Not used.
2a	Grand Canyon of Colorado River, near Lava Falls Rapids.	Lava Springs	89	6,700	Several springs; not used.
2b	25 miles southwest of Kingman, sec. 33, T. 18 N., R. 19 W.	(?)	Warm		Not used.
<b>Yavapai County</b>					
3	10 miles northeast of Camp Verde, sec. 32, T. 15 N., R. 6 E.	Verde Hot Springs	72	50	3 springs; local use.
4	1/4 mile northwest of Childs.	Verde Hot Springs	104	75	Several springs; resort.
5	Castle Creek, 50 miles south of Prescott, sec. 3, T. 7 N., R. 1 W.	Castle Hot Springs	115-122	280	2 springs; formerly Monroe Hot Springs; resort; bathing.
<b>Apache County</b>					
6	6 miles south of St. Johns		74	2	Not used; tufa deposits.
<b>Gila County</b>					
7	23 miles west of Whiteriver, sec. 13, T. 6 N., R. 19 E., Fort Apache Indian Reservation.	Soda Spring	65		Local use.
8	30 miles west of Whiteriver, about sec. 33, T. 6 N., R. 17 E., Fort Apache Indian Reservation.	Salt Banks	Warm		Large group of springs; local use.
<b>Maricopa County</b>					
9	15 miles northeast of Palomas, sec. 19, T. 5 S., R. 10 W.	Agua Caliente Springs	99-104		Several springs; resort.
<b>Graham County</b>					
10	3 miles north of Aravaipa, sec. 35, T. 5 S., R. 19 E.		90	6	1 spring; bathing.
11	Gila River, 3 miles north of Fort Thomas.				Do.
12	8 miles northwest of Pima, southeast of Fort Thomas.	Indian Hot Springs	81-118	300	5 springs and 1 well, 600 feet deep; resort.
13	Bonito Creek, 25 miles east of Fort Thomas, T. 4 S., R. 27 E.		Warm		1 spring; not used.
<b>Greenlee County</b>					
14	Near Eagle Creek, 10 miles west of Morenci, T. 4 S., R. 28 E.		Hot	Small	Do.
15	Clifton	Clifton Hot Springs	127-160		4 springs; resort.
<b>Pima County</b>					
16	Quitobaquito, close to Mexican boundary.	Aguaquito Spring	Warm		Village water supply; irrigation.
<b>Santa Cruz County</b>					
17	5 miles east of Amado, sec. 13, T. 20 S., R. 13 E.	Agua Caliente Spring	90	50	Bathing; used since earliest settlement.
<b>Cochise County</b>					
18	10 miles northeast of Cascabel, sec. 6, T. 13 S., R. 21 E.	Hookers Hot Springs	130	40	2 main springs; bathing.
19	6 miles southwest of Paradise, sec. 7, T. 18 S., R. 31 E.		67	225	1 spring; local use.

#### Arkansas

<b>Randolph County</b>					
1	Mud Creek	Rice's Spring	82		Resort.
<b>Montgomery County</b>					
2	Little Missouri River, sec. 17, T. 4 S., R. 27 W.		74		1 spring; not used.
3	Bed of Caddo River at Caddo Gap, sec. 19, T. 4 S., R. 24 W.		90-100		Several springs; not used.
<b>Pike County</b>					
4	Redland Mountain, sec. 12, T. 5 S., R. 26 W.		77		1 spring; not used.



Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Garland County</b>				
5 Hot Springs.....	Hot Springs.....	102-147..	165.....	46 thermal springs in area of 20 acres; resort; Hot Springs National Park; sanitariums Army and Navy General Hospital.
6 5 1/4 miles northeast of Hot Springs.....	Big Chalybeate Spring.....	79.....	185.....	Local use.

The Good Book for California

<b>Siskiyou County</b>					
1	14 miles southeast of Happy Camp, sec. 20, T. 15 N., R. 8 E.	Klamath Hot Springs.....	90.....	2.....	1 spring; bathing.
2	20 miles northeast of Ager.....		100-152..	25.....	7 springs; resort. Formerly Shovel Creek Springs.
3	Mount Shasta, 11 miles northeast of Sisson.		150.....	6.....	2 springs; not used.
<b>Modoc County</b>					
4	35 miles northwest of Alturas.....	Pothole Spring.....	70.....	10.....	Not used.
5	Near Rattlesnake Creek, 9 miles west of Alturas.	Essex Springs.....	80.....	10.....	1 spring; not used.
6	Hot Creek, 9 miles west of Alturas, sec. 10, T. 42 N., R. 11 E.		80-92.....	700.....	5 springs; bathing, irrigation.
7	Warm Spring Valley, 15 miles west of Alturas.		81.....	275.....	1 spring; domestic, irrigation.
8	4 miles northeast of Canby, sec. 29, T. 42 N., R. 10 E.	Kelly's Hot Spring.....	204.....	325.....	Domestic, irrigation.
9	Near Canyon Creek, 15 miles southwest of Alturas.	Boyd Spring.....	80.....	100.....	1 spring; domestic, irrigation.
10	1½ miles southeast of Alturas.....		72.....	1.....	1 spring; cattle watering.
11	Little Hot Spring Valley, 25 miles northwest of Bieber.		127, 170..	225.....	2 springs; irrigation.
12	Bidwell Creek, 1 mile west of north of Fort Bidwell.	Leonard Springs.....	97-108..	75.....	5 springs; domestic, bathing, irrigation.
13	East side of Upper Lake, 12 miles east of south of Fort Bidwell.		70.....	1,000.....	Irrigation.
14	Near southwest side of Upper Lake, 12 miles north of Cedarville.		120.....	5.....	1 spring; not used. Artesian wells in vicinity yield hot water.
15	East border of Surprise Valley, 12 miles northeast of Cedarville.	Benmac Hot Springs.....	170-182..	80.....	4 springs; sheep dipping.
16	East side of Surprise Valley, 12 miles northeast of Cedarville, sec. 12, T. 43, N., R. 18 E.		140-149..	225.....	3 springs; irrigation.
17	11 miles northeast of Cedarville, sec. 7, T. 43 N., R. 17 E.		150.....	50.....	3 springs; local use.
18	5 miles north of east of Cedarville, sec. 1, T. 42 N., R. 16 E., and sec. 6, T. 42 N., R. 17 E.	Menlo Warm Springs.....	130.....	500.....	5 principal springs, not used; 2 wells ½ mile north, discharge 115 gallons per minute of boiling water; bathing, sanitarium.
19	Near east side of Middle Lake, 5 miles east of Cedarville, sec. 18, T. 42 N., R. 17 E.		120.....	200.....	1 spring; irrigation.
20	Near west side of Lower Lake, 5 miles east of south of Eagleville, sec. 7, T. 39 N., R. 17 E.		117-125..	425.....	5 springs; irrigation, bathing.
21	Near southwest side of Lower Lake, 8 miles east of south of Eagleville.	Big Bend Hot Springs.....	120.....	100.....	1 spring; irrigation.
22	South end of Surprise Valley, 12 miles east of south of Eagleville.		70.....	5.....	1 spring; not used.
<b>Shasta County</b>					
23	Kosk Creek, 65 miles northeast of Redding.	Tophet Hot Springs.....	100.....	5.....	2 springs; not used.
24	63 miles northeast of Redding, sec. 36, T. 37 N., R. 1 W.		106-180..	90.....	6 springs; resort.
25	Upper Mill Creek, 1 mile northwest of Tophet Hot Springs.		120-150..	3.....	3 springs; not used.
26	Southwest side of Lassen Peak, 53 miles northeast of Red Bluff.	Tophet Hot Springs.....	71.....	5.....	About 10 springs and mud pots; not used. Deposits of sulphur. Also called Soupan or Supan Hot Springs.

# California. -Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
27	South side of Lassen Peak, 60 miles northeast of Red Bluff. <i>Lassen County</i>	Bumpas Hot Springs	Boiling	100	About 20 springs; not used. Called also Bumpas Hell.
28	2½ miles north of east of Bieber	Bassett Hot Springs	173	175	Bathing; irrigation.
29	6 miles south of east of Bieber	Stonebreaker Hot Springs	110-165	125	9 springs; irrigation.
30	Near north shore of Honey Lake, ¾ mile southwest of Hot Springs station.	Shaffer Hot Springs	160-204	250	3 springs; bathing; formerly Branbecks Hot Springs.
31	Near Amedee railroad station	Amedee Hot Springs	178-204	700	7 springs; bathing.
32	10 miles south of east of Amedee	Highrock Spring	86	525	Domestic, irrigation.
	<i>Tehama County</i>				
33	53 miles northeast of Red Bluff	Morgan Hot Springs	90-200	85	26 springs; camping ground.
	<i>Plumas County</i>				
34	72 miles northeast of Red Bluff, 1¼ miles west of Drake Hot Springs.	Devils Kitchen	150-205	50	About 30 springs; not used.
35	Hot Spring Valley, 70 miles northeast of Red Bluff, ½ mile west of Drake Hot Springs.		83	8	1 spring; drinking; carbonated.
36	70 miles northeast of Red Bluff, 6 miles southeast of Lassen Peak	Drake Hot Springs	122-148	20	4 springs; resort.
37	69 miles northeast of Red Bluff, 1 mile south of Drake Hot Springs.	Boiling Spring Lake	170-190	(1)	10 springs; not used; also called Tartarus Lake.
38	66 miles northeast of Red Bluff, 3¼ miles southeast of Drake Hot Springs.	Terminal Geyser	120-208	8	6 springs; not used.
39	1 mile east of Greenville.	Kruger Springs	90-106	8	5 springs; bathing.
40	2 miles northeast of Twain, sec. 13, T. 25 N., R. 8 E.		94	20	1 spring; not used.
41	Indian Creek, 1 mile east of Twain, sec. 24, T. 25 N., R. 8 E.		80-98	35	7 springs; not used.
42	5 miles southwest of Beckwith	McLear Sulphur Springs	86	140	8 springs; domestic, irrigation.
	<i>Sierra County</i>				
43	2 miles south of Sierraville	Campbell Hot Springs	65-111	80	11 springs; resort.
	<i>Placer County</i>				
44	13 miles southeast of Truckee, 10 miles northeast of Tahoe, on north shore of Lake Tahoe.	Brockway Hot Springs	20-140	150	6 springs; resort
	<i>Mendocino County</i>				
45	16 miles northwest of Ukiah	Orrs Hot Springs	63-104	25	7 springs; resort.
46	3 miles northeast of Ukiah	Vichy Springs	59-90	30	Do.
47	15 miles southeast of Point Arena	Point Arena Hot Springs	110-112	4¼	2 springs; resort.
	<i>Lake County</i>				
48	38 miles east of north of Lakeport	Crabtree Springs	68-105	15	4 springs; camping ground.
49	2 miles northwest of Bartlett Springs, sec. 35, T. 16 N., R. 8 W.		90	5	1 spring; bathing.
50	45 miles west of Williams	Newman Springs	70-92	25	9 springs; bathing; also called Soap Creek Springs.
51	28 miles west of Williams	Complexion Springs	74	1	30 springs; not used.
52	6 miles southwest of Kelseyville	Highland Springs	52-82	20	11 springs; resort.
53	8 miles west of south of Kelseyville	England Springs	56-76	8	7 springs; drinking; also called Elliott Springs.
53	8 miles west of south of Kelseyville	England Springs	56-76	8	7 springs; drinking; also called Elliott Springs.
54	5 miles south of Kelseyville	Carlsbad Springs	66-76	4	4 springs; local use.
55	5 miles northeast of Kelseyville	Soda Bay Springs	80-87	400	5 springs; resort.

# California. -Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
56	Near southwest edge of Clear Lake, 10 miles east of Kelseyville.		70-100	5	10 springs; drinking.
57	10 miles west of north of Lower Lake	Sulphur Bank Hot Springs	83-120		10 springs; not used.
58	28 miles west of north of Calistoga	Howard Springs	48-110	135	26 springs; resort.
	<i>Lake County—Continued</i>				
59	30 miles west of north of Calistoga	Seigler Springs	58-126	35	13 springs; resort.
60	28 miles west of north of Calistoga	Gordon Hot Spring	92	5	Local use.
61	24 miles west of north of Calistoga	Spiers Springs	78, 84	15	2 springs; bottled.
62	25 miles west of north of Calistoga	Castle Hot Springs	65, 164	10	2 springs; resort. Formerly Mills Hot Springs.
63	22 miles west of north of Calistoga	Anderson Springs	63-145	7	9 springs; resort.
64	20 miles west of north of Calistoga	Harbin Springs	90-120	10	3 springs; resort.
	<i>Colusa County</i>				
65	28 miles south of west of Williams	Deadshot Springs	65-79	11	4 springs; drinking.
66	27 miles southwest of Williams	Blancks Hot Springs	120	4	2 springs; bathing.
67	26½ miles southwest of Williams	Jones Hot Springs	125	2	Resort.
68	26 miles southwest of Williams	Wilbur Hot Springs	65-140	35	12 springs; resort. Formerly Simmons' Hot Spring.
69	Elgin mine, 30 miles south of west of Williams		140-153	25	3 springs; not used.
	<i>Sonoma County</i>				
70	15 miles north of west of Cloverdale	Hoods Hot Springs	100	5	2 springs; bathing. Formerly Fairmount Hot Springs.
71	9 miles south of west of Geyserville	Skaggs Hot Springs	120-135	15	3 springs; resort.
72	18 miles south of east of Cloverdale	The Geysers	(1)	30-50	About 30 springs; resort since 1852; bottled. Wells drilled in 1931 and later obtained steam for generating electricity.
73	Sulphur Creek, 21 miles southeast of Cloverdale		120	5	Several springs; not used.
74	22 miles south of east of Cloverdale	Little Geysers	110-160	8	10 springs; camping ground.
75	7 miles northeast of Fulton	Mark West Warm Springs	60-82	30	9 springs; resort.
76	3¼ miles southwest of Glen Ellen	Los Guillicos Warm Springs	78, 82	5	2 springs; resort.
77	McEwan ranch, 3 miles southwest of Kenwood		80	50	1 spring; irrigation.
78	State home at Eldridge, 6 miles west of north of Sonoma		72	10	Do.
79	2 miles northwest of Sonoma	Boyes Hot Springs	114-118		1 main spring, flowed until earthquake of 1906. Wells later drilled. Resort; bottled.
	<i>Napa County</i>				
80	17 miles north of St. Helena	Aetna Springs	63-92	20	6 springs; resort; bottled.
81	¼ mile east of Calistoga depot	Calistoga Hot Springs	126-173	8	4 springs; bathing. Several wells drilled in 1910-24 struck hot artesian water; used in baths.
82	2 miles southwest of St. Helena	St. Helena White Sulphur Springs	50-83	6	5 springs; resort.
83	15 miles north of east of St. Helena	Napa Rock Soda Springs	79	15	2 springs; bottled. Also called Priest Soda Springs.
	<i>Marin County</i>				
84	6 miles northwest of Point Bonita	Rocky Point Spring	100	5	Not used.

# California. Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Centre Costa County</b>					
85	2 miles northeast of Walnut Creek	Sulphur Springs	75-81	5	6 springs; domestic.
86	12 miles south of Byron	Byron Hot Springs	72-120	15	7 springs; resort.
<b>Alameda County</b>					
87	2 miles northeast of Warm Springs	Warm Springs	85-90	15	4 springs; domestic and garden.
<b>Santa Clara County</b>					
88	7 miles northwest of San Jose	Alum Rock Park Springs	62-87	15	17 springs; drinking, bathing. City park.
89	14 miles northeast of Gilroy	Gilroy Hot Spring	110	15	Resort; bottled.
<b>Monterey County</b>					
90	North Fork of Little Sur River, 30 miles by road south of Monterey		104	10	2 springs; not used.
91	50 miles east of south of Salinas, sec. 32, T. 19 S., R. 4 E.	Tassajara Hot Springs	100-140	100	17 springs; resort.
92	8 miles west of south of Soledad	Paraiso Hot Springs	65-111	10	5 springs; resort.
93	63 miles east of south of Monterey, sec. 9, T. 21 S., R. 3 E.	Slate's Hot Springs	110-121	50	10 springs; bathing.
94	70 miles by road east of south of Monterey	Dolan's Hot Springs	100	5	Not used.
<b>San Luis Obispo County</b>					
95	2½ miles north of Paso Robles	Paso Robles Mud Bath Springs	55-118	100	3 springs; bathing, bottled.
96	Southwest part of Paso Robles	Paso Robles Hot Springs	105	1,700	1 main spring; later developed by flowing artesian well; resort.
97	4 miles southeast of Paso Robles	Santa Ysabel Springs	94	150	2 springs; bathing, irrigation.
98	30 miles southeast of Paso Robles	Cameta Warm Spring	74	3	Bathing.
99	15 miles southwest of San Luis Obispo	Pecho Warm Springs	72, 95	17	2 springs; drinking, bathing.
100	2½ miles east of Arroyo Grande	Newsom's Arroyo Grande Warm Springs	98	15	Resort.
<b>Santa Barbara County</b>					
101	4 miles north of Gaviota station	Las Cruces Hot Springs	67-97	50	4 springs; bathing.
102	20 miles northwest of Santa Barbara	San Marcos Hot Springs	89-108	45	6 springs; camping ground. Also called Mountain Glen Hot Springs and Cuyama Hot Springs.
103	6 miles northeast of Santa Barbara	Montecito Hot Springs	111-118	50	11 springs; resort; part of water supply of Montecito; also called Santa Barbara Hot Springs.
104	12 miles northeast of Santa Barbara, 1 mile east of Mono Creek, sec. 4, T. 5 N., R. 25 W.		90	15	3 springs; not used.
105	15 miles northeast of Santa Barbara, 4 miles north of Santa Ynez River, sec. 1, T. 5 N., R. 25 W.		90	10	
<b>Ventura County</b>					
106	Matilija Canyon, 9 miles northwest of Nordhoff	Vicker's Hot Springs	118	5	
107	8¼ miles northwest of Nordhoff	Stingley's Hot Springs	78, 100	4	2 springs; domestic, bathing.
108	6 miles northwest of Nordhoff	Matilija Hot Springs	65-116	45	4 springs; resort.
109	7¼ miles west of north of Nordhoff	Wheeler's Hot Springs	62-102	40	Do.
110	Sespe Canyon, 24 miles west of north of Fillmore, sec. 31, T. 6 N., R. 20 W.	Willett Hot Spring	120	50	Bathing.
111	Sespe Canyon, 22 miles west of north of Fillmore, sec. 21, T. 6 N., R. 20 W.	Sespe Hot Springs	97-191	125	4 springs; camping ground.

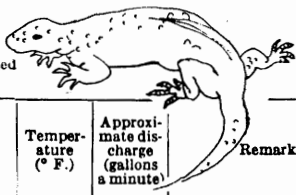


# California. Continued



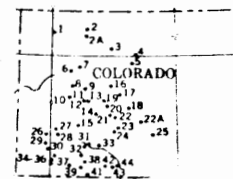
Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Los Angeles County</b>					
112	Elizabeth Lake Canyon, 13 miles east of north of Castac station		100	5	1 spring; not used.
<b>Alpine County</b>					
113	4 miles west of Markleeville	Grover's Hot Springs	128-146	100	12 springs; camping ground.
<b>Mono County</b>					
114	13 miles northwest of Bridgeport, sec. 24, T. 6 N., R. 23 E.	Fales' Hot Springs	97-141	300	2 springs; resort.
115	5¼ miles south of west of Bridgeport, sec. 3, T. 4 N., R. 24 E.	Buckeye Hot Spring	140	25	Bathing.
116	1¼ miles southeast of Bridgeport, sec. 27, T. 5 N., R. 25 E.		121-148	10	3 springs; bathing and sheep dipping. Travertine ridges deposited; onyx marble and travertine quarried.
117	1½ miles east of south of Bridgeport		70-105	25	20 springs; not used.
118	Warm Springs Flat, 5 miles southeast of Bridgeport		100	10	1 spring; cattle watering.
119	Near Mormon Creek, 7 miles southeast of Bridgeport, sec. 20, T. 4 N., R. 26 E.		100	10	Do.
120	Paoha Island, in Mono Lake		176	100	1 spring; not used.
121	East edge of Mono Lake	Mono Basin Warm Spring	90	10	Not used.
122	5 miles northeast of Casa Diablo Hot Springs, sec. 13, T. 3 S., R. 28 E.		170	5	1 spring; not used.
123	35 miles northwest of Bishop, sec. 32, T. 3 S., R. 28 E., on U. S. Highway 395.	Casa Diablo Hot Springs	115-194	35	About 20 springs; vapor baths. Deposit small amounts of cinnabar.
124	3 miles northeast of Casa Diablo, sec. 35, T. 3 S., R. 28 E.	Casa Diablo Hot Pool	180	(9)	Not used.
125	On Hot Creek, sec. 30, T. 3 S., R. 29 E.	"The Geysers"	120-202	500	5 principal springs; not used; 2 steam vents; large tufa deposit.
126	Long Valley, 38 miles northwest of Bishop		74-100	450	4 springs; not used.
126a	37 miles northwest of Bishop, sec. 18, T. 4 S., R. 29 E.	Whitmore Warm Springs	96	306	2 main springs; bathing resort.
127	300 yards northwest of Benton post office, sec. 2, T. 2 S., R. 31 E.	Benton Hot Spring	135	400	Irrigation.
<b>Madera County</b>					
128	65 miles by road southeast of Yosemite, 10 miles southwest of Mineral Park	Reds Meadows Hot Springs	90-120	10	5 springs; camping ground.
<b>Fresno County</b>					
129	Head of Fish Valley, 80 miles southeast of Yosemite, sec. 9, T. 5 S., R. 27 E.	Fish Creek Hot Springs	110	5	2 springs; not used.
130	30 miles north of east of Shaver, sec. 16, T. 7 S., R. 27 E.		100-112	25	4 springs; camping ground. Lower springs on South Fork of San Joaquin River.
131	30 miles north of east of Shaver, sec. 10, T. 8 S., R. 28 E.	Blaney Meadows Hot Springs	100-110	40	8 springs; camping ground.
132	25 miles south of Dos Palos	Mercey Hot Springs	79-109	6	3 springs; bathing; formerly bottled. Saline.
133	Branch of Waltham Creek, 18 miles west of Coalinga	Fresno Hot Springs	88-97	20	5 springs; resort.
<b>Tulare County</b>					
134	South Fork of Middle Fork of Tule River, 27¼ miles north of east of Portersville		77	25	1 spring; drinking; carbonated.
135	65 miles north of Kernville	Jordan Hot Springs	95-123	75	14 springs; camping ground.
136	Monache Meadows, 14 miles southwest of Olancha		100	2	1 spring; drinking; carbonated.
137	35 miles southeast of Portersville, sec. 31, T. 23 S., R. 31 E.	California Hot Springs	105-126	50	7 springs; resort. Also called Deer Creek Hot Springs.



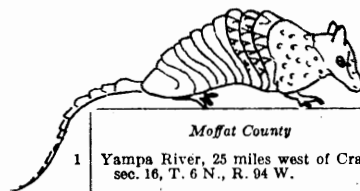


Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Inyo County</b>					
138	8 miles south of Bishop.....	Keough Hot Springs.....	130.....	825.....	3 springs; resort; bathing.
139	Saline Valley, 30 miles east of north of Keeler, 10 miles northeast of Saline Valley borax works.	Grapevine Springs.....	75.....	30.....	Several springs; domestic and irrigation.
140	Staininger ranch, Grapevine Canyon, 50 miles northeast of Keeler.		150-203.....		20 springs; not used. Sulphur and alum. Vapor but no flow of water in 1908.
141	14 miles southeast of Haiwee.....				
141a	2 miles northwest of Coso Hot Springs..	Devil's Kitchen .....	Boiling.....	Small.....	Vapor vents; deposit small amounts of cinnabar.
142	20 miles northeast of Little Lake.....	Coso Hot Springs.....	(?).....	do.....	3 main springs; resort; vapor baths.
143	Near Little Lake, 18 miles south of Haiwee.....		80.....	1.....	1 spring; not used.
144	Panamint Valley, 4 miles north of Ballarat.....		80.....	1.....	1 spring; roadside watering.
145	5 miles northeast of Zabriskie, sec. 1, T. 21 N., R. 7 E.	Yeoman Hot Springs.....	80.....	100.....	Several springs; irrigation.
146	3 miles southeast of Zabriskie.....		109.....	225.....	2 springs; railroad water.
147	5½ miles northeast of Tecopa.....	Resting Spring.....	80.....	260.....	Domestic and irrigation.
<b>Kern County</b>					
148	2 miles northeast of Kernville.....		98, 113.....	4.....	2 springs; bathing.
149	7 miles west of south of Kernville.....	Neills Hot Spring.....	131.....	115.....	Domestic; bathing; irrigation. Also called Agua Caliente Spring.
150	51 miles northeast of Bakersfield, sec. 25, T. 27 S., R. 32 E.	Clear Creek Hot Springs.....	119.....	20.....	3 springs; local use. Locally called Hobo Springs.
151	45 miles northeast of Bakersfield.....	Delonegha Springs.....	104-112.....	25.....	3 springs; resort.
152	40 miles northeast of Bakersfield.....	Democrat Springs.....	100-115.....	25.....	5 springs; resort.
153	16 miles northeast of Caliente.....	Williams Hot Springs.....	60-100.....	20.....	5 springs; domestic, irrigation, bathing.
154	15 miles west of Sperry railroad station.....	Saratoga Springs.....	82.....	125.....	4 springs; prospector's supply.
155	25 miles north of Daggett.....	Paradise Springs.....	85-102.....	25.....	Do.
156	Soda Station, sec. 14, T. 12 N., R. 8 E.	Soda Station Springs.....	75.....	30.....	2 springs; drinking.
157	600 yards south of Newberry railroad station, sec. 32, T. 9 N., R. 3 E.	Newberry Spring.....	77.....	300.....	Pumped for railroad supply.
158	Lytle Canyon, 15 miles northwest of San Bernardino.		92.....	5.....	1 spring; not used.
159	Deep Creek Canyon, 16 miles southeast of Victorville, sec. 15, T. 3 N., R. 3 W.		80-100.....	5.....	Several springs; not used.
160	Deep Creek Canyon, 15 miles southeast of Victorville, sec. 14, T. 3 N., R. 3 W.		80-100.....	5.....	6 springs; not used.
161	6¼ miles east of north of San Bernardino.	Waterman Hot Spring.....	123.....	5.....	Bathing.
162	7 miles east of north of San Bernardino.	Arrowhead Hot Springs.....	110-187.....	50.....	2 springs; resort.
163	Santa Ana Canyon, 12 miles north of east of San Bernardino; sec. 34, T. 1 N., R. 2 W.		90.....	3.....	1 spring; not used.
164	Baldwin Lake, 40 miles southeast of Victorville.		88.....	5.....	1 spring; bathing.
<b>Orange County</b>					
165	7 miles southwest of Santa Ana.....	Fairview Hot Spring.....	96.....	15.....	Resort; bottled.
166	13 miles northeast of Capistrano.....	San Juan Capistrano Hot Springs.....	121-124.....	35.....	6 springs; resort. Visited by Franciscan friars and mentioned in their records.
<b>Riverside County</b>					
167	11 miles east of south of Corona.....	Glen Ivy Hot Spring.....	102.....	15.....	Resort. Formerly called Temescal Hot Spring.
168	¼ mile north of Elsinore depot.....	Bundys Elsinore Hot Springs.....	118.....		Resort. Original flow, later pumped.
<b>Riverside County—Continued</b>					
169	50 yards northwest of Elsinore depot...	Elsinore Hot Springs.....	125.....		3 springs; resort. Original flow, later pumped.
170	4 miles north of east of Murrieta.....	Murrieta Hot Springs.....	134-136.....	75.....	3 springs; resort.
171	8 miles northeast of Perris.....	Pihares Hot Spring.....	100.....	3.....	Bathing; drilled well also obtains warm water.

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
172	9 miles southwest of Beaumont.....	Eden Hot Springs.....	90-110.....	30.....	8 springs; resort.
173	6 miles northwest of San Jacinto.....	San Jacinto Hot Springs.....	83-116.....	20.....	6 springs; resort. Formerly Relief Hot Springs.
174	2¼ miles northeast of San Jacinto.....	Ritchey Hot Springs.....	70-111.....	25.....	6 springs; resort; bottled. Formerly Soboba Hot Springs.
175	6 miles south of Palm Springs station.....	Palm Springs.....	100.....	5.....	2 springs; resort.
176	Northeast side of Salton Sink, 6 miles east of Salton railroad station.	Dos Palmas Spring.....	80.....	25.....	Prospectors' supply.
<b>San Diego County</b>					
177	20 miles east of north of Oceanside.....	Deluz Warm Springs.....	84-88.....	5.....	3 springs; local use.
178	36 miles northeast of Oceanside.....	Agua Tibia Spring.....	92.....	10.....	Bathing, irrigation.
179	65 miles northeast of San Diego, sec. 36, T. 10 S., R. 3 E.	Warner Hot Springs.....	131-139.....	150.....	6 springs; resort. Also called Agua Caliente Springs.
180	37 miles southeast of Julian, secs. 18 and 19, T. 14 S., R. 7 E.	Agua Caliente Springs.....	90.....	20.....	Several springs; not used.
181	80 miles south of east of San Diego, 24 miles east of Campo, secs. 7 and 8, T. 18 S., R. 8 E.	Jacumba Springs.....	96.....	15.....	2 springs; bathing, irrigation.
<b>Imperial County</b>					
182	West side of Salton Sea, 13 miles south of Mecca.	Fish Springs.....	90.....	280.....	Several springs; prospectors' supply.



## Colorado



<b>Moffat County</b>					
1	Yampa River, 25 miles west of Craig, sec. 16, T. 6 N., R. 94 W.	Juniper Hot Springs.....	105.....	25.....	Several springs; resort.
<b>Routt County</b>					
2	Mad Creek, 7 miles north of Steamboat Springs, Routt National Forest.	Routt Hot Springs.....	150.....	60.....	Picnic ground.
2a	Steamboat Springs.....	Steamboat Springs.....	103-150.....	2,000.....	Greatest group in Colorado. About 150 springs; resort; tufa deposits.
<b>Grand County</b>					
3	Hot Sulphur Springs.....	Hot Sulphur Springs.....	90-118.....	40.....	About 25 springs; resort; sanitarium; strong sulphur odor; tufa deposits.
<b>Boulder County</b>					
4	12 miles southwest of Boulder.....	Moffat Spring.....	84.....	12.....	Moffat Lakes resort.
<b>Clear Creek County</b>					
5	Idaho Springs.....	Idaho Springs.....	98-108.....	50.....	Several springs; resort.
<b>Garfield County</b>					
6	Glenwood Springs.....	Glenwood Springs.....	106-125.....	3,000.....	Many springs; resort. Issue from bed and bank of Colorado River; outlet formerly higher.
<b>Eagle County</b>					
7	North bank of Colorado River, 1¼ miles below Dotsero.	Big Dotsero Spring.....	84.....	400.....	Bathing.

# Colorado -Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Pitkin County</b>					
8	Near Avalanche, 12 miles south of Carbondale.	Avalanche Springs	112-134	200	5 springs, for 1/4 mile along Rock Creek (Crystal River); bathing.
9	16 miles by trail south of Aspen		90	500	1 spring; not used.
<b>Delta County</b>					
10	Austin, between Cold Sulphur Spring and State bridge.	Alkali Springs	72	5	Several small springs; not used.
<b>Gunnison County</b>					
11	10 miles east of Somerset, sec. 21, T. 13 S., R. 89 W.		90	3	4 springs; not used.
12	Cement Creek 1 1/4 miles above its mouth, 5 miles southeast of Crested Butte.	Cement Creek Spring	83	40	Not used; has formed mound of travertine.
13	Cement Creek 2 1/4 miles above its mouth, 6 miles southeast of Crested Butte, sec. 18, T. 14 S., R. 84 W.		100	1,800	1 spring; not used.
14	28 miles east of Gunnison	Waunita Hot Springs	140-160	1,000	More than 100 springs in 2 groups 1/4 mile apart. Also called Tomichi Hot Springs.
	Cebolla Creek, 6 miles south of Powderhorn.	Cebolla Hot Springs	84-115	100	20 springs in 2 groups; resort. Also called Ojo de los Caballos.
<b>Park County</b>					
16	8 miles southwest of Fairplay	Rhodes Spring	79	300	Local use.
17	25 miles east of Leadville	Hartsel Hot Springs	105-134	10	5 springs; resort.
18	20 miles northwest of Parkdale, 9 miles below head of Current Creek.	Mound Soda Spring	70		Not used.
<b>Chaffee County</b>					
19	Cottonwood Creek, 6 miles west of Buena Vista.	Cottonwood Springs	120-144	150	5 springs; camping ground. Also called Buena Vista Hot Springs.
20	3 miles west of Nathrop	Mount Princeton Springs	98-150	50	About 35 springs; resort. Formerly Heywood Hot Springs and Chalk Creek Hot Springs.
21	Poncha Springs	Poncha Springs	80-168	700	About 100 springs; resort; tufa deposits
<b>Fremont County</b>					
22	5 miles northwest of Howard	Wellsville Warm Spring	94	150	Local use.
<b>Saguache County</b>					
23	6 miles south of Villa Grove, sec. 12, T. 45 N., R. 9 E.	Chamberlain Hot Springs	116-133	50	30 springs; resort; tufa deposits.
24	7 miles southeast of Villa Grove, sec. 31, T. 46 N., R. 10 E.	Valley View Hot Springs	87-90	300	5 springs; local use.
<b>Pueblo County</b>					
25	Red Creek, 12 miles southwest of Pueblo.	Red Creek Springs	59-73	5	5 springs; local use; tufa deposits. Also called Parnassus Springs.
<b>San Miguel County</b>					
26	Placerville	Geyser Warm Spring	94	5	Bathing.
<b>Ouray County</b>					
27	2 miles southeast of Ridgway	Orvis Hot Spring	132	300	Bathhouse and pool. Irrigation. Formerly called Ridgway Hot Spring.
28	Ouray	Ouray Hot Springs	100-138	200	3 groups; resort; 2 sanitariums and municipal pool.
<b>Dolores County</b>					
29	200 yards southeast of Dunton Store, 7 miles north of Rico, sec. 33, T. 41 N., R. 11 W.		110	20	1 spring; local use.
30	1/4 mile north of Rico	Iron Spring	82	30	Limonite deposit; not used.

# Colorado -Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Mineral County</b>					
31	Wagon Wheel Gap	Wagon Wheel Gap Springs	105-150	100	3 springs; resort.
32	26 miles northeast of Pagosa Springs, sec. 26, T. 38 N., R. 1 W.		100, 120	50	2 springs; not used.
<b>Rio Grande County</b>					
33	6 miles north of Del Norte	Shaw's Spring	88	10	Local use
<b>La Plata County</b>					
34	14 miles north of Durango, sec. 26, T. 37 N., R. 9 W.	Pinkerton Springs	87-95	8	5 large springs and several small ones; resort.
35	10 miles north of Durango	Tripp Springs	90-95	50	Several springs. Bathhouse and pool.
36	9 miles north of Durango, sec. 15, T. 36 N., R. 9 W.	Trimble Springs	90-110	50	5 springs; resort. Large mound of tufa.
<b>Archuleta County</b>					
37	30 miles by trail west of Pagosa Springs, sec. 8, T. 35 N., R. 4 W.		120	3	5 small springs; camping ground.
38	12 miles northeast of Pagosa Springs		78		1 spring; not used.
39	Pagosa Springs	Pagosa Hot Springs	110-160	600	Several springs; resort. Large deposit of sinter.
40	3 miles southeast of Pagosa Springs		120		1 spring; not used.
41	South Fork of Navajo River, 7 miles east of Chromo	Warm Sulphur Spring	80		Not used.
<b>Conejos County</b>					
42	Upper course of La Jara Creek, 2 miles southwest of Capulin, T. 35 N., R. 8 E.	Agua Caliente Spring	90	50	Irrigation.
43	8 miles east of La Jara, sec. 13, T. 35 N., R. 10 E.	McIntyre Warm Springs	82	600	Several springs; irrigation. Formerly Los Ojos Springs.
44	12 miles east of La Jara, sec. 9, T. 35 N., R. 11 E.	Dexter Spring	71	5	Not used



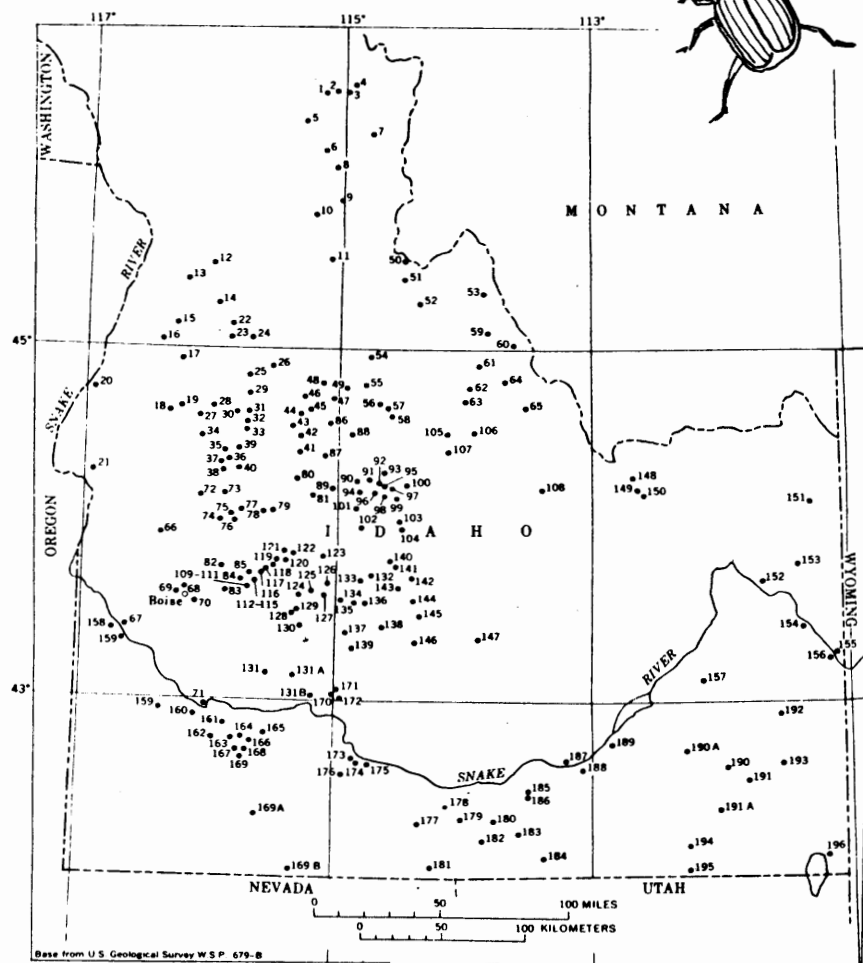
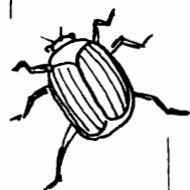
## Georgia



	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Pike County</b>					
1	6 miles south of Zebulon	Lifsey Spring	77	100	Resort. Formerly Pine Mountain Spring.
1A	9 1/4 miles east of Molena	Taylor Spring	75	385	Supplies pool.
<b>Upson County</b>					
2	Near Thunder Station	Thundering Springs	74	30	2 springs; local use.
3	500 yards south of Thundering Springs	Barker Spring	69-72 1/4	25	4 springs; unused.
4	6 miles southeast of Thundering Springs		73	10	Swimming pool.
<b>Meriwether County</b>					
5	Warm Springs	Warm Springs	87	600	1 main spring; resort; sanitarium.
6	3 miles southeast of Warm Springs	Parkman Pond	77	20	Supplies mill pond.
7	2 1/4 miles northeast of Chalybeate	Tom Brown Spring	69	25	Supplies pond.

# Idaho Eye of the Hot Springs Hurricane

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Idaho County</b>					
1	7 miles west of Jerry Johnson's Hot Springs, NW¼ sec. 13, T. 36 N., R. 11 E., Selway National Forest.	Weir Creek Hot Springs.	Hot.....	5.....	6 springs; not used.
2	4 miles west of Jerry Johnson's Hot Springs, NE¼ sec. 9, T. 36 N., R. 12 E., Selway National Forest.	Colgate Springs.....	105-120.....	20.....	Do.
3	Warm Springs Creek, SE¼ sec. 7, T. 36 N., R. 13 E., Selway National Forest.	Jerry Johnson's Hot Springs.	100-130.....	450.....	3 springs; bathing.
4	Horse Creek, 4 miles northeast of Jerry Johnson's Hot Springs.		80.....	200.....	1 spring; not used.
5	Near Boulder Creek, 4 miles above its junction with Lochsa River, NW¼ sec. 6, T. 34 N., R. 10 E., Selway National Forest.	Stanley Hot Spring.....	Hot.....	2.....	Not used.




























# Idaho—Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
6	Link Creek 5 miles above its junction with Selway River, NW¼ sec. 4, T. 32 N., R. 11 E., Selway National Forest.	Stuart Hot Spring.....	do.....	35.....	
7	11 miles southwest of Elk Summit ranger station, NE¼ sec. 4, T. 33 N., R. 14 E., Selway National Forest.		Warm.....	40.....	2 springs; not used.
8	3¼ miles west of Wylles Peak, NE¼ sec. 25, T. 31 N., R. 11 E., Selway National Forest.	Martin Creek Hot Springs	Hot.....	15.....	6 springs and seeps; not used.
9	2 miles south of Grouse Peak, SE¼ sec. 14, T. 29 N., R. 12 E., Selway National Forest.		do.....	10.....	1 spring; not used.
10	10 miles northeast of Red River ranger station, sec. 10, T. 28 N., R. 10 E., Nezperce National Forest.	Red River Hot Springs.....	120.....	15.....	4 springs; resort.
11	Salmon River 200 yards below mouth of Hot Springs Creek, NW¼ sec. 13, T. 25 N., R. 11 E., Idaho National Forest.	Barht's Hot Springs.....	Hot.....	200.....	Several springs; local use.
12	2 miles north of Salmon River, sec. 7, T. 24 N., R. 4 E., Nezperce National Forest.		110.....	10.....	1 spring; bathing.
13	South side of Salmon River, 10 miles east of Riggins, sec. 13, T. 24 N., R. 2 E.	Riggins Hot Spring.....	Hot.....		Local use.
14	Resort, SE¼ sec. 1, T. 22 N., R. 4 E., Idaho National Forest.	Burgdorf Hot Spring.....	113.....	150.....	1 spring; resort.
15	East side of Little Salmon River, 3 miles north of Round Valley, sec. 13, T. 21 N., R. 1 E.		Hot.....		1 spring; not used; sulphur odor.
<b>Adams County</b>					
16	West side of Little Salmon River, 10 miles northwest of Meadows, sec. 26, T. 20 N., R. 1 E.	Yoghann Hot Sulphur Spring.	do.....		Not used.
17	3 miles northeast of Meadows, SW¼ sec. 22, T. 19 N., R. 2 E., Idaho National Forest.		100.....	50.....	1 spring; bathing.
18	1¼ miles north of mouth of Warm Spring Creek, SW¼ sec. 2, T. 15 N., R. 1 E., Weiser National Forest.		Hot.....	100.....	6 springs; not used.
19	15 miles east of Cottonwood, NW¼ sec. 33, T. 18 N., R. 2 E., Weiser National Forest.		do.....	25.....	8 springs; not used.
<b>Washington County</b>					
20	Snake River Canyon above Brownlee Creek, T. 17 N., R. 5 W.		Hot.....		1 spring; not used; sulphur odor.
21	Monroe Creek, 6 miles northeast of Weiser, T. 11 N., R. 5 W.		Warm.....		Several springs; not used.
<b>Valley County</b>					
22	12 miles west of Shiefers, SE¼ sec. 11, T. 21 N., R. 5 E., Idaho National Forest.		Hot.....	100.....	10 springs; not used.
23	15 miles southwest of Shiefers, SE¼ sec. 15, T. 20 N., R. 5 E., Idaho National Forest.		Warm.....	5.....	1 spring; not used.
24	South Fork of Salmon River, 7 miles south of Shiefers, NE¼ sec. 35, T. 20 N., R. 7 E., Idaho National Forest.		90-136.....	100.....	About 25 springs, covering 40 acres; not used.
25	South Fork of Salmon River, 25 miles north of Knox, SW¼ sec. 35, T. 18 N., R. 6 E., Idaho National Forest.		Hot.....	15.....	10 springs; not used.
26	Near mouth of Riordan Creek, Yellow Pine Basin, NE¼ sec. 17, T. 18 N., R. 8 E., Payette National Forest.		90.....	2.....	1 spring; not used.
27	10 miles north of Cascade, about T. 15 N., R. 3 E.		Hot.....		Several springs; not used.
28	Gold Fork River, 25 miles north of Cascade, about T. 16 N., R. 4 E.		do.....		Do.
29	South Fork of Salmon River, 15 miles north of Knox, NW¼ sec. 1, T. 16 N., R. 6 E., Idaho National Forest.		do.....	2.....	2 springs; not used.
30	6 miles north of Knox, SW¼ sec. 17, T. 15 N., R. 6 E., Payette National Forest.		do.....	100.....	1 spring; not used.
31	6 miles northeast of Knox, sec. 14, T. 15 N., R. 6 E., Payette National Forest.		do.....	250.....	1 spring in NW¼ sec. 14, 200 gallons a minute; 1 spring in SW¼ sec. 14, 50 gallons a minute; not used.



## Idaho—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
	4 miles east of Knox, NE¼ sec. 11, T. 14 N., R. 6 E., Payette National Forest.		Hot	450	6 springs; not used.
33	4 miles southeast of Knox, NE¼ sec. 14, T. 14 N., R. 6 E., Payette National Forest.		do	100	1 spring; not used.
34	¼ mile from Cascade, T. 14 N., R. 3 E.		do	20	2 springs, ¼ mile north and ¼ mile south of Cascade; town water supply.
35	Middle Fork of Payette River, 12 miles east of Alpha, SE¼ sec. 2, T. 12 N., R. 5 E., Payette National Forest.		do	35	1 spring; not used.
36	Near Middle Fork of Payette River, NW¼ sec. 11, T. 12 N., R. 5 E., Payette National Forest.		100	15	Several springs; not used.
37	Near Middle Fork of Payette River, NW¼ sec. 15, T. 12 N., R. 5 E., Payette National Forest.		90	15	1 spring; not used.
38	Near Middle Fork of Payette River, NW¼ sec. 22, T. 12 N., R. 5 E., Payette National Forest.		Hot	150	5 springs; not used.
39	Near Bull Creek, 15 miles east of Alpha, NW¼ sec. 28, T. 13 N., R. 6 E., Payette National Forest.		do	15	3 springs; not used.
40	Near Silver Creek, 15 miles southeast of Alpha, NW¼ sec. 31, T. 12 N., R. 6 E., Payette National Forest.		90	250	4 springs; not used.
41	¼ mile southwest of mouth of Bear Valley Creek, SW¼ sec. 23, T. 13 N., R. 10 E., Payette National Forest.		Hot	10	1 spring; not used.
42	¼ mile from mouth of Dagger Creek, SW¼ sec. 30, T. 14 N., R. 10 E., Payette National Forest.		Warm	2	Do.
43	Sulphur Creek, NE¼ sec. 13, T. 14 N., R. 9 E., Payette National Forest.		80-110	7	3 springs; not used.
44	Near Middle Fork of Salmon River, near mouth of Sulphur Creek, NE¼ sec. 34, T. 15 N., R. 10 E., Payette National Forest.		Hot	25	Do.
45	Near Middle Fork of Salmon River, NW¼ sec. 26, T. 15 N., R. 10 E., Payette National Forest.		do	3	2 springs; not used.
46	Branch of Indian Creek near Chinook Mountain, NW¼ sec. 17, T. 16 N., R. 10 E., Payette National Forest.		do	10	4 springs; not used.
47	About 10 miles north of Greyhound, NE¼ sec. 20, T. 16 N., R. 12 E., Challis National Forest.		do	40	2 springs; not used.
48	8 miles south of Roosevelt, NE¼ sec. 15, T. 17 N., R. 11 E., Payette National Forest.		do	50	10 springs; not used.
<b>Valley County—Continued</b>					
49	Middle Fork of Salmon River, 2 miles above White Creek, NE¼ sec. 28, T. 17 N., R. 13 E., Payette National Forest.		Hot	10	3 springs; not used.
<b>Lemhi County</b>					
50	Horse Creek, 25 miles northwest of Shoop, SE¼ sec. 17, T. 23 N., R. 17 E., Selway National Forest.		110	10	1 spring; not used.
51	17 miles west of Shoop, NW¼ sec. 32, T. 24 N., R. 17 E., Salmon National Forest.		Warm	25	5 springs; not used.
52	West side of Copper King Mountain on a tributary of Big Creek, T. 22 N., R. 18 E.		Hot		1 spring; not used.
53	5 miles north of Carmen, NE¼ sec. 22, T. 23 N., R. 22 E., Salmon National Forest.		do	80	14 springs; not used.
54	1 mile east of Mormon ranch, sec. 26, T. 19 N., R. 14 E., Salmon National Forest.		do	40	1 spring; not used.
55	Near Cache Creek, 4 miles above its mouth, NW¼ sec. 19, T. 17 N., R. 14 E., Challis National Forest.		Warm	10	Do.
56	Warm Spring Creek, NE¼ sec. 10, T. 15 N., R. 14 E., Challis National Forest.		80-190	400	9 springs; not used.
57	5 miles northwest of Parker Mountain, NE¼ sec. 1, T. 15 N., R. 15 E., Challis National Forest.		Warm	75	4 springs; not used.
58	Near Parker Mountain, sec. 16, T. 15 N., R. 16 E., Challis National Forest.		Hot	200	7 springs; not used.
59	7 miles south of Salmon, sec. 3, T. 20 N., R. 22 E.	Salmon Hot Springs	Warm	400	Several springs; irrigation, bathing.
60	7 miles northeast of Tendo, SE¼ sec. 34, T. 20 N., R. 24 E.		Hot	200	1 spring; not used.

## Idaho—Continued



	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
61	2 miles east of State highway, 27 miles south of Salmon, T. 18 N., R. 22 E., Salmon National Forest.		Hot	200	2 springs; not used.
	Kronk Canyon of Salmon River, 40 miles south of Salmon, T. 17 N., R. 21 E.		do	100	1 spring; not used.
63	Salmon River, at upper end of Kronk Canyon, 3 miles below mouth of Pahsimeroi River, NE¼ sec. 18, T. 16 N., R. 21 E., Lemhi National Forest.		do	100	6 springs; not used.
64	Warm Spring Creek, 4 miles southwest of Lemhi Indian Agency.		Warm		Several springs; local use.
65	10 miles west of Leadore, NW¼ sec. 4, T. 15 N., R. 25 E.		87	3	1 spring; bathing.
<b>Gem County</b>					
66	1 mile southwest of Sweet, sec. 9, T. 7 N., R. 1 E.		Hot		Not used.
<b>Canyon County</b>					
67	East side of Snake River, 1 mile east of Enterprise, T. 1 N., R. 3 W.		67		1 spring; not used.
<b>Ada County</b>					
68	West bank of Squaw Creek, 3 miles north of Boise, T. 4 N., R. 2 E.		Hot	Large	1 spring; local use.
69	Cottonwood Creek, 1 mile west of Boise City, T. 3 N., R. 2 E.		Warm		Do.
70	4½ miles southeast of Boise, T. 3 N., R. 2 E.	Boise Hot Springs	90-140	255	About 16 springs; resort.
71	Near Grand View, NE¼ sec. 29, T. 5 S., R. 4 E.		109	100	1 spring; irrigation.
<b>Boise County</b>					
72	14 miles north of McNish ranger station, SE¼ sec. 20, T. 10 N., R. 3 E., Payette National Forest.		Warm	30	1 spring; not used.
73	3 miles northwest of Garden Valley, sec. 32, T. 10 N., R. 4 E., Payette National Forest.		Hot		Do.
74	South Fork of Payette River, 10 miles east of Garden Valley SE¼ sec. 6, T. 8 N., R. 5 E., Payette National Forest.		do	20	2 springs; camping ground.
75	¼ mile west of Danskin Creek, SE¼ sec. 2, T. 8 N., R. 5 E., Payette National Forest.		do	8	1 spring; not used.
<b>Boise County—Continued</b>					
76	1¼ miles east of Boston & Idaho power plant, sec. 11, T. 8 N., R. 5 E., Payette National Forest.		Hot	15	2 springs; local use.
77	¼ mile west of Pine Flat, SW¼ sec. 31, T. 9 N., R. 6 E.		do	30	1 spring; camping ground.
78	North side of South Fork of Payette River, sec. 31, T. 9 N., R. 8 E., Boise National Forest.		Warm	40	1 spring; not used.
79	South Fork of Payette River, sec. 32, T. 9 N., R. 8 E., Boise National Forest.	Kirkham Hot Springs	90	150	5 springs covering 1 acre; not used.
80	Warm Spring Creek, near South Fork of Payette River, sec. 31, T. 10 N., R. 10 E., Boise National Forest.	Bonneville Hot Springs	100	200	6 springs covering ¼ acre; not used.
81	South Fork of Payette River, near mouth of Bear Creek, sec. 30, T. 10 N., R. 11 E., Boise National Forest.	Sacajawea Hot Springs	100	100	3 springs; not used.
82	6 miles southwest of Idaho City, T. 5 N., R. 5 E.		110-115	900	6 springs; local use.
83	North side of Arrowrock Reservoir, near mouth of Cottonwood Creek, about sec. 1, T. 3 N., R. 5 E., Boise National Forest.	Nevin Spring	Hot	200	Not used.
84	North side of Middle Fork of Boise River below Browns Creek, Boise National Forest.	Twin Springs	do	350	2 main springs and several small ones, covering ¼ acre; not used.
85	Above Logging Gulch, on north side of Middle Fork of Boise River, Boise National Forest.	Basset Hot Spring	do	30	Not used.
<b>Custer County</b>					
86	2 miles northwest of Greyhound, SE¼ sec. 1, T. 14 N., R. 11 E., Challis National Forest.		Warm	4	1 spring; not used.



	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
	6 miles east of Cape Horn, NW¼ sec. 2, T. 12 N., R. 11 E., Challis National Forest.		Warm	200	Do.
88	10 miles southwest of Casto, NE¼ sec. 33, T. 14 N., R. 13 E., Challis National Forest.		do	3	Do.
89	Near Stanley, SW¼ sec. 15, T. 10 N., R. 12 E., Challis National Forest.		Hot	200	2 springs; not used.
90	Near mouth of Yankee Fork of Salmon River, sec. 36, T. 11 N., R. 13 E., Challis National Forest.		do	250	5 springs; not used.
91	4 miles east of mouth of Yankee Fork of Salmon River, sec. 20, T. 11 N., R. 14 E., Challis National Forest.		do	200	10 springs; not used.
92	6 miles east of mouth of Yankee Fork of Salmon River, sec. 22 and 27, T. 11 N., R. 14 E., Challis National Forest.		Warm	5	1 spring; not used.
93	Salmon River, 1 mile above Sunbeam Dam, SW¼ sec. 19, T. 11 N., R. 15 E.		168	200	6 springs; local use.
94	2 miles south of mouth of Yankee Fork of Salmon River, sec. 3, T. 10 N., R. 13 E., Challis National Forest.		Warm	400	5 springs; not used.
95	Mouth of Warm Spring Creek, NE¼ sec. 34, T. 11 N., R. 15 E., Challis National Forest.	Robinson Bar Ranch Hot Springs.	130	40	3 springs; resort.
96	Hot Creek near its mouth, T. 10 N., R. 15 E., Challis National Forest.		134-147		Several springs for ¼ mile on Hot Creek, and others nearby on Warm Spring Creek; not used.
97	Loon Creek ¼ to 1½ miles above mouth of Warm Spring Creek, T. 11 N., R. 15 E., Challis National Forest.	Loon Creek Hot Springs.	115-136	700	About 20 springs; strong sulphur odor; local use.
98	Near head of Loon Creek, T. 10 N., R. 15 E., Challis National Forest.		Hot		Several springs; not used.
99	Slate Creek 6 miles above its mouth, SE¼ sec. 19, T. 10 N., R. 16 E., Challis National Forest.		do	200	10 springs covering 2 acres; not used.
100	Sullivan Creek near Salmon River, 3 miles west of Clayton, sec. 27, T. 11 N., R. 17 E.	Sullivan Hot Springs	107	5,000	Local use; sulphur odor.
101	Salmon River, SW¼ sec. 18, T. 9 N., R. 14 E., Sawtooth National Forest.		105	150	1 spring; not used.
102	Pierson post office, NE¼ sec. 27, T. 8 N., R. 14 E.	Pierson Hot Spring	120	300	1 spring; resort.
103	East Fork of Salmon River, sec. 30 and 31, T. 8 N., R. 17 E., Sawtooth National Forest.		70-120	450	8 springs; not used.
<b>Custer County—Continued</b>					
104	East Fork of Salmon River, NW¼ sec. 6, T. 7 N., R. 17 E., Sawtooth National Forest.		75-110	300	6 springs; not used.
105	East bank of Salmon River, 4 miles east of Challis, sec. 23, T. 14 N., R. 19 E., Lemhi National Forest.	Beardsley Hot Springs	123	1,500	Several springs; resort.
106	15 miles northwest of Goldberg, NE¼ sec. 26, T. 14 N., R. 21 E.	Sulphur Creek Spring	57	1,500	Irrigation.
107	Warm Springs Creek, 10 miles southeast of Challis, T. 13 N., R. 20 E.		Warm	100	Several springs; not used.
108	Little Lost River Valley, about 6 miles south of its head, T. 9 N., R. 27 E.		80		1 spring; not used.
<b>Elmore County</b>					
109	South side of Middle Fork of Boise River, ¼ mile below Sheep Creek, Boise National Forest.		Hot	200	Do.
110	Middle Fork of Boise River at Sheep Creek Bridge, Boise National Forest.	Sheep Creek Bridge Spring.	do	100	Not used.
111	Sheep Creek near Middle Fork of Boise River, Boise National Forest.	Reed Spring	do		Do.
112	Both sides of Middle Fork of Boise River, above North Fork, Boise National Forest.	Smith Cabin Springs	do	900	Several springs covering 2 acres; not used.
113	North side of Middle Fork of Boise River below Loftus Creek, Boise National Forest.	Loftus Spring	do	100	Not used.
114	North side of Middle Fork of Boise River below Vaughn Creek, Boise National Forest.	Crevice Spring	do	20	Do.
115	South side of Middle Fork of Boise River above Vaughn Creek, Boise National Forest.	Vaughn Spring	do	200	Do.
116	South side of Middle Fork of Boise River below Big Five Creek, Boise National Forest.	Ninemeyer Springs	do	900	10 springs; not used.



	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
117	North side of Middle Fork of Boise River above Pool Creek, Boise National Forest.	Pool Creek Spring	Warm	50	Not used.
118	South side of Middle Fork of Boise River above Straight Creek, Boise National Forest.		Hot	180	1 spring; not used.
119	South side of Middle Fork of Boise River below Dutch Frank's Creek, Boise National Forest.	Dutch Frank's Springs	do	1,800	Many springs covering 3 acres; not used.
120	Middle Fork of Boise River, 8 miles east of Narton, NW¼ sec. 4, T. 5 N., R. 9 E., Boise National Forest.	Granite Creek Springs	130	50	7 springs; not used.
121	Both sides of Middle Fork of Boise River ¼ mile above Granite Creek, T. 5 N., R. 9 E., Boise National Forest.		Hot	200	About 40 springs covering 2 acres; not used.
122	South side of Middle Fork of Boise River ¼ mile below Granite Creek, NW¼ sec. 36, T. 6 N., R. 9 E., Boise National Forest.		130	30	Several springs covering 1 acre; bathing.
123	2 miles east of Atlanta, NW¼ sec. 32, T. 6 N., R. 12 E., Boise National Forest.		100-130	50	6 springs; bathing.
124	½ mile northeast of Featherhill, NW¼ sec. 10, T. 3 N., R. 10 E., Sawtooth National Forest.		Warm	45	1 spring; bathing.
125	7 miles east of Featherhill, NW¼ sec. 9, T. 3 N., R. 11 E., Sawtooth National Forest.		do	Small	1 spring; not used.
126	Willow Creek 10 miles northeast of Featherhill, NW¼ sec. 24, T. 4 N., R. 11 E., Sawtooth National Forest.		Hot	45	Several springs; not used.
127	South Fork of Boise River, 10 miles east of Featherhill, NE¼ sec. 13, T. 3 N., R. 11 E.		do	30	4 springs; not used.
128	6 miles south of Featherhill, NE¼ sec. 5, T. 2 N., R. 10 E., Sawtooth National Forest.		do	50	12 springs covering 5 acres; bathing.
129	4½ miles south of Featherhill, SE¼ sec. 33, T. 3 N., R. 10 E., Sawtooth National Forest.		128	45	12 springs covering 1 acre; bathing; camp ground.
130	North of Fishing Falls, about 60 miles southeast of Boise, sec. 5, T. 1 N., R. 10 E.		164		Several springs; local use.
131	10 miles east of Mountain Home, sec. 16, T. 3 S., R. 8 E.	Hot Springs, Ranch Springs.	103-167	900	Several springs; bathing.
131a	15 miles north of Glenns Ferry	Daugherty's Hot Spring	146	500	Irrigation; bathing; formerly Lattie's Hot Spring.
131b	1 mile east of King Hill	Hot Spring	125	20	Irrigation; bathing. Original spring increased by drilled well.
<b>Camas County</b>					
132	Big Smoky Creek, 8 miles north of Carriestown, SW¼ sec. 1, T. 4 N., R. 14 E., Sawtooth National Forest.		Warm	10	1 spring; not used.
133	Big Smoky Creek, 8 miles northwest of Carriestown, NW¼ sec. 32, T. 4 N., R. 14 E., Sawtooth National Forest.		Hot	20	About 30 springs; not used.
134	South Fork of Boise River near mouth of Bear Creek, SW¼ sec. 18, T. 3 N., R. 13 E., Sawtooth National Forest.		Warm	15	15 springs; not used.
135	Little Smoky Creek, 8 miles southwest of Carriestown, NE¼ sec. 30, T. 3 N., R. 14 E.		do	10	1 spring; not used.
136	Little Smoky Creek, 6 miles southwest of Carriestown, SW¼ sec. 28, T. 3 N., R. 14 E., Sawtooth National Forest.	Wasewick Hot Springs	125-150	250	About 50 springs; local use.
137	Corral Creek, 2 miles north of Corral, SE¼ sec. 29, T. 1 N., R. 13 E., Sawtooth National Forest.	Wardrop Hot Springs	Hot	100	About 25 springs; resort.
138	5 miles north of Blaine, SE¼ sec. 14, T. 1 N., R. 15 E., Sawtooth National Forest.		Warm	15	1 spring; not used.
139	5 miles south of Corral, SE¼ sec. 34, T. 1 S., R. 13 E., Sawtooth National Forest.		Hot	25	20 springs; not used.
<b>Blaine County</b>					
140	Near Wood River, 18 miles northwest of Ketchum, SW¼ sec. 33, T. 6 N., R. 16 E., Sawtooth National Forest.	Russian John Hot Springs	102	50	4 springs; not used.
141	South side of Wood River, 16 miles northwest of Ketchum, SE¼ sec. 11, T. 5 N., R. 16 E., Sawtooth National Forest.	Easily Warm Springs	99	100	Do.
142	2½ miles west of Ketchum, NW¼ sec. 15, T. 4 N., R. 17 E., Sawtooth National Forest.	Guyer Hot Springs	160	450	Several springs; resort. Tufa deposit.





	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
143	Warm Spring Creek, 11 miles southwest of Ketchum, SE¼ sec. 36, T. 4 N., R. 16 E., Sawtooth National Forest.		Hot.....	450.....	6 springs; bathing.
144	Deer Creek 6 miles west of Hailey, NW¼ sec. 26, T. 3 N., R. 17 E., Sawtooth National Forest.	Clarendon Hot Springs.....	125-150.....	100.....	3 springs; bathing pool.
145	2½ miles southwest of Hailey, sec. 18, T. 2 N., R. 18 E.	Hailey Hot Springs.....	146.....	50.....	Several springs; piped to baths and hotel in town. Not used.
146	Near Magic Reservoir, sec. 24, T. 1 S., R. 17 E.	Lava Creek Hot Spring.....	96.....	130.....	
147	Near Carey, sec. 14, T. 1 S., R. 21 E.	Candie Hot Springs.....	124.....	450.....	2 springs; bathing pool and irrigation.
<i>Clark County</i>					
148	10 miles south of Edie, sec. 25, T. 11 N., R. 32 E., Lemhi National Forest.		80.....	3,000.....	2 springs; not used.
149	18 miles west of Dubois, sec. 34, T. 10 N., R. 33 E.		Hot.....		1 spring; not used.
150	16 miles west of Dubois, sec. 2, T. 9 N., R. 33 E., Lemhi National Forest.	Lidy Hot Springs.....	124.....	300.....	Several springs; bathing pool and irrigation.
<i>Fremont County</i>					
151	Near Warm River, NE¼ sec. 6, T. 9 N., R. 44 E., Targhee National Forest.		Warm.....	50.....	3 springs; not used.
<i>Madison County</i>					
152	South Fork of Snake River at Heise, SE¼ sec. 25, T. 4 N., R. 40 E., Targhee National Forest.	Heise Hot Spring.....	120.....	400.....	1 spring; resort.
<i>Teton County</i>					
153	6 miles south of Canyon City, sec. 6, T. 5 N., R. 43 E., Targhee National Forest.	Pincock Hot Spring.....	Hot.....	65.....	1 spring; resort. Formerly Lime Kiln Hot Spring.
<i>Bonneville County</i>					
154	Fall Creek, 4 miles northwest of Irwin, sec. 29, T. 1 N., R. 43 E.		Warm.....		Several springs; local use.
155	East side of South Fork of Snake River, 5 miles northwest of Alpine, secs. 18 and 19, T. 2 S., R. 46 E.	Alpine Hot Springs.....	120-150.....	25.....	2 main springs; several smaller ones; resort. Sulphur odor; tufa deposit.
156	West side of South Fork of Snake River 3 miles southwest of Blowout, secs. 13 and 24, T. 2 S., R. 45 E.		88-144.....		6 springs; bathhouse.
<i>Bingham County</i>					
157	3 miles southeast of old Fort Hall, sec. 36, T. 3 S., R. 37 E.	Lincoln Valley Warm Springs.....	69-87.....		5 springs; local use.
<i>Owyhee County</i>					
158	Enterprise, T. 1 N., R. 3 W.		128.....	3,000.....	1 spring; bathing, irrigation.
159	South side of Snake River, near mouth of Reynolds Creek, T. 1 S., R. 3 W.	Given's Hot Springs.....	98.....	35.....	2 springs; bathing.
159a	Toy ranch, sec. 29, T. 6 S., R. 1 E.	(?)	115-120.....	50.....	Several springs; bathing.
160	Shoofly Creek, near Grand View, sec. 14, T. 6 S., R. 3 E.		Warm.....	300.....	2 springs; irrigation; tufa deposits.
161	Little Valley Creek, 10 miles southeast of Comet, NE¼ sec. 32, T. 6 S., R. 5 E.	Rosebrier Spring.....	101.....	Small.....	Local use; original flow increased by drilled well.
162	Near head of Little Valley Creek, SE¼ sec. 24, T. 7 S., R. 4 E.		99.....	135.....	1 spring; irrigation; original flow, 25 gallons a minute, increased by 5 drilled wells.
163	West side of Bruneau Valley near Hot Springs post office, SE¼ sec. 21, T. 7 S., R. 6 E.	Bruneau Hot Spring.....	105.....	1,200.....	Bathing; irrigation.
164	Bruneau Valley, SW¼ sec. 22, T. 7 S., R. 6 E.		111.....	35.....	1 spring; local use.
165	Bruneau Valley, SE¼ sec. 22, T. 7 S., R. 6 E.	Trammel's Hot Springs.....	114.....	1,000.....	Bathhouse, bathing pool, irrigation.
166	East bank of Bruneau River, NW¼ sec. 35, T. 7 S., R. 6 E.		Warm.....	Large.....	1 spring; not used.
167	11 miles south of Bruneau, lot 3, sec. 3, T. 8 S., R. 6 E.	Hot Creek Springs.....	94-98.....	1,800.....	Several springs; irrigation.
168	Bruneau Valley, below mouth of Hot Creek, lot 1, sec. 3, T. 8 S., R. 6 E.		100.....		Several springs; local use.
169	Bruneau Valley, 100 yards below Buckaroo diversion dam, SW¼ sec. 29, T. 8 S., R. 7 E.		105.....		1 spring; not used.

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
161A	West Fork of Bruneau River, sec. 33, T. 12 S., R. 7 E.	Indian Hot Springs.....	145-158.....	2,000.....	2 principal springs; bathing. In canyon 950 feet deep. Also called Bat Hot Springs. Bathing.
167b	10 miles southwest of Three Creek.....	Kitty's Hot Hole.....	Hot.....	Small.....	
<i>Gooding County</i>					
170	Near Blanche, sec. 31, T. 4 S., R. 13 E.	White Arrow Hot Spring.....	149.....	1,200.....	4 springs; bathing pool; irrigation.
171	1½ miles northeast of White Arrow Springs, T. 4 S., R. 13 E.	Blanche Crater Warm Springs.....	80.....	Small.....	Supply Soda Lake (Lye Lake) covering 3 acres in the crater; not used.
172	2 miles southeast of White Arrow Hot Springs.	Tschannen Warm Springs.....	110.....		Seepage forms a small meadow; drilled well has artesian flow of 200 gallons a minute of hot water; local use.
<i>Twin Falls County</i>					
173	South side of Snake River, on island in Salmon Falls Creek near Austin, sec. 30, T. 8 S., R. 14 E.		130.....	5.....	1 spring; bathing.
174	South side of Snake River near Austin, sec. 31, T. 8 S., R. 14 E.	Ring's Hot Spring.....	125.....	200.....	Forms a pool, bubbling with odorless gas; local use.
175	South bank of Snake River, 4 miles above mouth of Salmon River, sec. 33, T. 8 S., R. 14 E.	Banbury Hot Springs.....	131.....	600.....	2 springs improved by drilled well; bathing pool, irrigation. Not used.
176	Canyon of Salmon River, 8 miles above junction with Snake River, about T. 9 S., R. 13 E.	Poison Spring.....	Warm.....	Small.....	
177	Rock Creek, 10 miles south of Stricker, SE¼ sec. 10, T. 13 S., R. 18 E.		90.....	1,300.....	3 springs; not used.
178	Artesian City, sec. 6, T. 12 S., R. 20 E.	Artesian City Hot Springs.....	100.....	Small.....	Original flow increased by several wells drilled in 1909, flowing water at 260 feet; total 500 gallons a minute; bathing pool and irrigation.
179	9 miles northwest of Oakley, NE¼ sec. 6, T. 13 S., R. 21 E.	Poulton Warm Spring.....	72.....		Local use; original flow increased by wells drilled at spring.
180	6 miles northeast of Oakley, sec. 7, T. 13 S., R. 23 E.	Land Spring.....	60.....	2,000.....	Irrigation.
181	¼ mile south of forks of Thoroughbred Creek, SW¼ sec. 21, T. 16 S., R. 19 E.	Thoroughbred Springs.....	69.....	200.....	Several springs; local use.
182	5 miles south of Oakley, SE¼ sec. 27, T. 14 S., R. 22 E.	Oakley Warm Spring.....	114.....	10.....	Flowing well drilled near original spring; local use.
183	1 mile southwest of Elba, sec. 6, T. 14 S., R. 13 E.		Warm.....		1 spring; not used.
<i>Twin Falls County—Continued.</i>					
184	5 miles southwest of Bridge, sec. 23, T. 15 S., R. 26 E.	Frazier Hot Spring.....	204.....	120.....	Original seeping spring developed by well 400 feet deep; irrigation.
185	6 miles northeast of Albion, sec. 11, T. 11 S., R. 25 E.	Bridger Hot Spring.....	120.....	4.....	Stock water; 3 flowing wells of warm water nearby.
186	4 miles northeast of Albion, sec. 22, T. 11 S., R. 25 E.		100.....	3.....	1 spring; stock water.
<i>Power County</i>					
187	Lake Walcott, sec. 19, T. 9 S., R. 28 E.		70.....	700.....	5 springs; not used.
188	8 miles northeast of Yale, sec. 29, T. 9 S., R. 29 E.	Fall Creek Warm Springs.....	62.....	9,000.....	Several springs; not used. Deposits tufa in creek channel.
189	South side of Snake River, 4 miles southwest of American Falls, sec. 19, T. 8 S., R. 31 E.	Indian Hot Springs.....	140.....	1,000.....	Several springs; resort, bathing.
<i>Bannock County</i>					
190	Both sides of Portneuf River, 2 miles south of Lava, T. 9 S., R. 33 E.	Lava Hot Springs.....	100-144.....	4,200.....	Several springs; resort, also State bathhouse.
190a	6 miles northwest of McCammon.....	(?)	Warm.....	Small.....	Bathing.
191	West side of Bear River in south end of Gentile Valley, T. 10 S., R. 40 E.		125.....		5 springs; rise in pools; not used.
191a	4 miles southeast of Downey.....	Downata Hot Springs.....	112.....	470.....	Bathing, irrigation.
<i>Caribou County</i>					
192	Canyon of Blackfoot River, about T. 6 S., R. 42 E.		82.....	Small.....	1 spring; not used; tufa deposit.
193	Soda Springs, T. 9 S., R. 42 E.	Soda Springs.....	76-88.....		Several springs; some warm and some cool; resort.
<i>Oncida County</i>					
194	2 miles southwest of Malad, T. 14 S., R. 36 E.		85.....		Several springs; local use.
195	12 miles south of Malad, T. 16 S., R. 36 E.		Warm.....		Do.
<i>Bear Lake County</i>					
196	Near northeast shore of Bear Lake, 16 miles south of Montpelier.	Bear Lake Hot Springs.....	83-134.....	150.....	Three springs; resort.



## Massachusetts



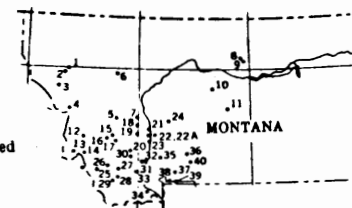
Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<i>Berkshire County</i>				
1 2 miles south of Williamstown.....	Sand Spring.....	76.....	400.....	Used in manufacture of soft drinks for more than 30 years.

## Montana

<i>Sanders County</i>				
1 Camas, NW ¼ sec. 3, T. 21 N., R. 24 W., Flathead Indian Reservation.	Camas Hot Springs.....	110-114.....		7 springs; resort.
2 1 mile west of Camas, sec. 4, T. 21 N., R. 24 W.		Warm.....		1 spring; local use.
3 4 miles south of Paradise, SW ¼ sec. 9, T. 18 N., R. 25 W.		114.....	20.....	7 springs; bathing.
<i>Missoula County</i>				
4 8 miles southwest of Woodson.....	Granite Hot Springs.....	135.....	25.....	3 springs; resort; also called Lo-Lo Hot Springs.
<i>Powell County</i>				
5 Warm Springs Creek, 6 miles north of Garrison.		Warm.....		Local use.
<i>Lewis and Clark County</i>				
6 North Fork of Sun River, 30 miles by road west of Augusta.	Sun River Hot Springs.....	84.....	500.....	1 main spring; resort; also called Medicine Springs.
7 2 miles west of Helena.....	Helena Hot Springs.....	122, 141.....	30.....	2 springs; resort; bathhouse and pool (Broadwater Natatorium).
<i>Blaine County</i>				
8 6 miles south of Lodge Pole, NW ¼ sec. 24, T. 26 N., R. 25 E., Fort Belknap Indian Reservation.	Big Warm Springs.....	72-86.....	10,000.....	7 springs; local use.
<i>Phillips County</i>				
9 9 miles south of Lodge Pole, sec. 32, T. 26 N., R. 26 E., Fort Belknap Indian Reservation.	Little Warm Springs.....	Warm.....	3,500.....	Local use.
<i>Fergus County</i>				
10 Warm Spring Creek, 12 miles north of Lewistown, NE ¼ sec. 19, T. 17 N., R. 18 E.	Warm Spring.....	68.....	80,000.....	Mining, milling, and irrigation; near a large old tufa deposit which indicates formerly warmer water.
11 Durphy Creek, 3 miles south of Tyler, sec. 19, T. 12 N., R. 23 E.		71.....	15,000.....	8 springs in area of several acres; irrigation.
<i>Ravalli County</i>				
12 Weeping Child Creek, 15 miles southeast of Hamilton.	Medicine Rock Hot Springs.....	Hot.....	4,500.....	Several springs; resort. Formerly Weeping Child Hot Springs.
13 4 miles west of Slate Creek River station, SE ¼ sec. 31, T. 1 S., R. 22 W., Bitterroot National Forest.		Warm.....	330.....	5 springs; not used.
14 4 miles south of Camp Creek station, SW ¼ sec. 15, T. 1 S., R. 19 W., Bitterroot National Forest.	Gallaghy Hot Springs.....	110-125.....	150.....	3 springs; resort; also called Ross' Hole Hot Springs, and Medicine Hot Springs.
<i>Deer Lodge County</i>				
15 Near Warm Springs railroad station, 10 miles northeast of Anaconda.	Warm Springs.....	Warm.....		Resort.
16 3 miles east of Anaconda.....	Anaconda Hot Springs.....	do.....		Several springs; local use.
<i>Silver Bow County</i>				
17 Gregson, 15 miles west of Butte.....	Gregson Hot Springs.....			Several springs; used to heat greenhouses.
<i>Jefferson County</i>				
18 17 miles south of Helena.....	Alhambra Hot Springs.....	90-134.....		22 springs; resort.



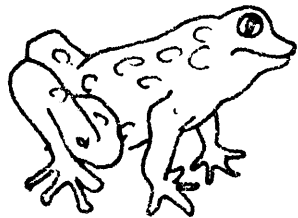
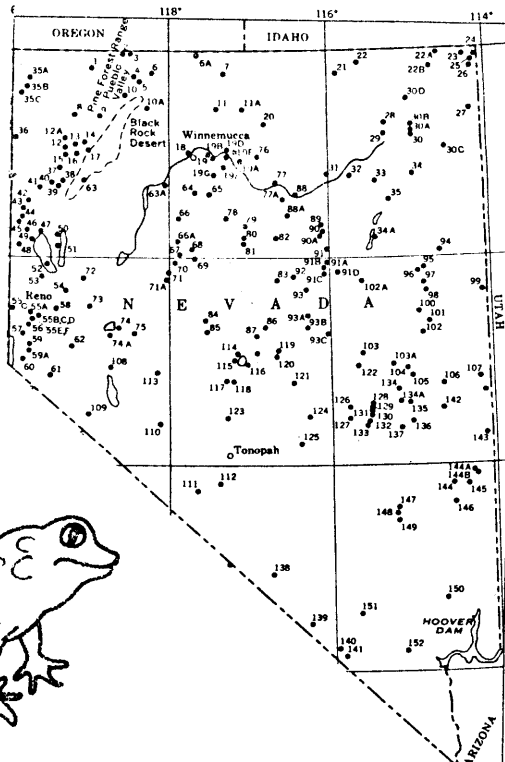
## Montana - Continued



Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
19 3 miles southeast of Boulder.....	Boulder Hot Springs.....	125-187.....	Large.....	Many springs; resort.
20 Pipestone Springs, 20 miles southeast of Butte.	Pipestone Springs.....	Hot.....		Several springs; resort.
<i>Broadwater County</i>				
21 North side of Indian Creek, 4 miles northwest of Townsend.	Bedford Springs.....	74.....	1,400.....	3 main springs; irrigation.
22 Branch of Crow Creek, 5 miles west of Toston.	Warner Warm Springs.....	65.....	200.....	2 springs; local use.
23 Head of Warm Creek, 12 miles southwest of Toston.	Plunkett's Spring.....	62.....	4,000.....	Irrigation; formerly Nave's Warm Spring and Mockel Spring.
<i>Meagher County</i>				
24 White Sulphur Springs.....	White Sulphur Springs.....	95-125.....	500.....	9 springs; resort. Formerly Brewer's Springs.
<i>Beaverhead County</i>				
25 Big Hole River, at Jackson.....	Big Hole Hot Springs.....	132.....	1,500.....	About 100 springs; resort.
26 Miller Creek, 6 miles north of Polaris, sec. 29, T. 4 S., R. 12 W., Beaverhead National Forest.	Elkhorn Hot Springs.....	120-150.....	110.....	7 springs; resort.
27 Near Apex.....	Ziegler Hot Springs.....	Hot.....		Local use.
28 9 miles southwest of Dillon, sec. 21, T. 8 S., R. 9 W.	Lovell Springs.....	72.....	1,125.....	4 springs; local use.
29 11 miles southwest of Dillon, sec. 30, T. 8 S., R. 9 W.	Brown Springs.....	72.....	360.....	6 springs; local use. Also called Ryan Canyon Springs.
<i>Madison County</i>				
30 Silverstar.....	Barkel's Hot Springs.....	Hot.....	50.....	4 springs; bathing.
31 South branch of Willow Creek, 5 miles south of Pony.	Clark's Warm Springs.....	100-120.....	550.....	About 10 springs; resort. Formerly Potosi Hot Springs.
32 Hot Spring Creek near Norris.....	Hapgood Hot Springs.....	110-124.....	50.....	5 springs; bathing; also called Norris Hot Springs.
33 Upper Ruby Creek, 10 miles northwest of Virginia City.	Puller's Hot Springs.....	95, 108.....	150.....	2 springs; resort.
34 3 miles southwest of Cliff Lake, SE ¼ sec. 18, T. 12 S., R. 1 E., Madison National Forest.		Warm.....	100.....	1 spring; not used.
<i>Gallatin County</i>				
35 West Gallatin River, 7 miles west of Bozeman.	Bozeman Hot Springs.....	137.....	250.....	1 main spring; resort. Formerly Ferris Hot Springs.
36 20 miles northeast of Livingston.....	Hunter's Hot Springs.....	148-168.....	1,500.....	3 groups, about 25 springs; resort for many years. Gypsum deposit.
37 Emigrant Creek near Chico.....	Emigrant Gulch Warm Springs.....	102.....	240.....	Bathing; also called Chico Spring.
38 Corwin Springs, sec. 25, T. 8 S., R. 7 E.	Corwin Hot Springs.....	120.....		Several springs; resort.
39 3 miles northeast of Gardiner, sec. 19, T. 9 S., R. 9 E.	Bear Creek Springs.....	90.....	30.....	2 springs; local use.
<i>Sweet Grass County</i>				
40 Near Boulder Creek, 3 miles southwest of Hubble, sec. 29, T. 3 S., R. 13 E., Absaroka National Forest.		70.....	90.....	1 spring; bathing.

Nevada

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<i>Humboldt County</i>					
1	12 miles west of Pine Forest Range, T. 46 N., R. 27 E.		108.		1 spring; not used.
2	North side of Thousand Creek Valley, 6 miles southwest of Denio, Oreg. South of Steens Mountain, about T. 47 N., R. 31 E.	Bog Ranch Hot Springs...	130-190.	20.	2 springs; not used.
3	12 miles north of Mason's Crossing of Quinn River, about T. 45 N., R. 32 E.		178.		Do.
4	8 miles north of Quinn River, about T. 44 N., R. 32 E.		118.	Small.	1 spring; not used.
5	West side of King River Valley, about T. 45 N., R. 33 E.		134.	do.	Do.
6	Head of North Fork of Little Humboldt River, about T. 45 N., R. 41 E.		76, 80.		2 springs; local use.
7	Soldier Meadows, 15 miles south of Old Camp McGarry, T. 40 N., R. 25 E.		Hot.		1 spring; not used.
8	West of sink of Quinn River, west edge of Black Rock Desert, T. 40 N., R. 28 E.		do.		Several springs; not used.
9	Near south end of Pine Forest Range, 7 miles west of Mason's Crossing of Quinn River, about T. 43 N., R. 31 E.		60.		2 springs; prospector's supply.
10	12 miles southeast of Paradise Valley post office, on Little Humboldt River.		155.		Several springs; not used.
11			130.		1 spring; irrigation.



Nevada -Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<i>Humboldt County—Continued</i>					
11a	25 miles east of Paradise Valley.....	(?).....	Hot.....		Unused; on North and South Forks of Humboldt River. Several springs; not used.
12	West flank of Black Rock Range, about T. 37 N., R. 24 E.	Double Hot Springs.....	165-191.		Do.
13	Southeast side of Black Rock Range, about T. 37 N., R. 25 E.		Hot.....		1 spring; not used.
14	Arm of Black Rock Desert, about T. 37 N., R. 26 E.		do.....		3 springs; not used.
15	Southwest side of Black Rock Range, south of Division Peak, about T. 36 N., R. 24 E.		do.....		Several springs; not used.
16	South end of Black Rock Range, 10 miles southeast of Division Peak, about T. 36 N., R. 25 E.		do.....		Several springs; not used.
17	West border of Black Rock Desert, secs. 16, 21, 22, 34, T. 36 N., R. 26 E.		do.....		1 spring; local use.
18	2 miles north of Winnemucca.....		do.....		About 12 springs; resort.
19	Golconda, T. 36 N., R. 40 E.	Golconda Hot Springs.....	120-150.	250.	Rises in large deep pool; stock water.
19a	8 miles north of Valmy, sec. 10, T. 35 N., R. 43 E.	Blossom Hot Spring.....	107.	70.	
<i>Elko County</i>					
20	Head of South Fork of Little Humboldt River, about T. 39 N., R. 40 E.		Hot.....		1 spring; not used.
21	5 miles southeast of Mountain City, SE¼ sec. 30, T. 45 N., R. 54 E., Humboldt National Forest.		104-106.	20.	4 springs; bathing.
22	15 miles east of Mountain City, sec. 23, T. 46 N., R. 56 E., Humboldt National Forest.		104.	55.	Several springs; local use.
23	West side of Goose Creek, NW¼ sec. 22, T. 47 N., R. 68 E.		57.	850.	1 spring; local use.
24	East side of Goose Creek, NW¼ sec. 30, T. 47 N., R. 70 E.	Nile Spring.....	106.	6.	Not used; forms boggy area at edge of Goose Creek Meadow.
25	East side of Goose Creek, SE¼ sec. 10, T. 46 N., R. 69 E.	Gamble's Hole.....	103.	8.	Do.
	Head of main fork of Spring Creek, NW¼ sec. 26, T. 46 N., R. 69 E.		62.	200.	Several springs over area of 1 acre; not used.
27	South end of Thousand Springs Valley, about T. 41 N., R. 69 E.		Boiling..		1 spring; not used.
28	Hot Creek mining district, 15 miles north of Deeth, T. 39 N., R. 60 E.		Hot.....		1 spring; local use.
29	8 miles north of Deeth, sec. 14, T. 38 N., R. 59 E.		do.....	Small.	1 spring; not used.
30	Emigrant Canyon, north end of East Humboldt Range, sec. 21, T. 38 N., R. 62 E.		do.....		Do.
31	Near Carlin, T. 33 N., R. 53 E.	Hot Sulphur Springs.....	do.....		Several springs; local use.
32	1 mile west of Elko, T. 34 N., R. 55 E.	Elko Hot Springs.....	192.		Several springs; resort.
33	8 miles southwest of Fort Halleck, T. 33 N., R. 58 E.		Warm.....		Several springs; local use.
34	Near Warm Creek, Independence Valley, T. 34 N., R. 62 E.		do.....		1 spring; local use.
35	Northeast end of Franklin Lake, T. 30 N., R. 59 E.	Miller's Hot Springs.....	170.		Several springs; not used.
<i>Washoe County</i>					
35a	10 miles north of Vya, sec. 18, T. 44 N., R. 20 E.	Hill's Warm Spring.....	83.	10.	Meadow irrigation.
35b	5 miles north of Vya, sec. 11, T. 43 N., R. 19 E.	Hill's Spring.....	66.	8.	Do.
35c	Vya, sec. 4, T. 42 N., R. 19 E.	Twin Springs.....	70.	200.	Irrigation.
36	South end of Surprise Valley, T. 38 N., R. 18 E.		Hot.....		1 spring; not used.
37	Northwest end of Alkali Flat, 5 miles northeast of Granite Peak, T. 34 N., R. 23 E.	Ward's Hot Springs (Fly ranch).	(?).....		Many springs; cover 75 acres, sandy mounds and tufa deposits. Largest hot springs in northwestern Nevada; irrigation.
38	1 mile northwest of Gerlach.....	Gerlach Hot Springs.....	188-194.		Many springs; bathing.
39	2 miles west of Gerlach.....	Mud Springs.....	Hot.....		Several springs; not used.
<i>Washoe County—Continued</i>					
40	North end of Smoke Creek Desert, sec. 25, T. 33 N., R. 22 E.	Deep Hole Spring.....	62.	20.	Not used; artesian wells nearby.
41	Northwest side of Smoke Creek Desert, sec. 3, T. 32 N., R. 21 E.	Wall Spring.....	Warm.....		Do.
42	West side of Smoke Creek Desert, about T. 31 N., R. 20 E.	Buffalo Spring.....	do.....		Not used.
43	West side of Smoke Creek Desert, about T. 29 N., R. 19 E.	Buckbrush Spring.....	do.....		Do.



## Nevada—Continued

## Nevada—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
44	Southwest side of Smoke Creek Desert, about T. 29 N., R. 19 E.	Rotten Egg Spring.....	92.....	10.....	Sulphur odor; not used.
45	Southwest side of Smoke Creek Desert, about sec. 31, T. 29 N., R. 19 E.	Round Hole Spring.....	Warm.....		Not used; artesian wells nearby.
46	South end of Smoke Creek Desert, T. 28 N., R. 20 E.	Ross Spring.....	Hot.....		Not used.
47	North end of Pyramid Lake, T. 28 N., R. 21 E.		do.....		Several springs; not used.
48	10 miles northwest of Pyramid railroad station, T. 26 N., R. 19 E.	Fish Spring.....	Warm.....		Not used.
49	Northwest side of Pyramid Lake, T. 26 N., R. 20 E.		206-208.....		Several springs; not used.
50	Northwest shore of Winnemucca Lake, T. 27 N., R. 23 E.		Warm.....		Do.
51	West shore of Winnemucca Lake, T. 26 N., R. 23 E.		do.....		Do.
52	Anaho Island, in Pyramid Lake, T. 24 N., R. 22 E.		120.....		Do.
53	Warm Spring Valley, 3 miles south of Dewey, sec. 26, T. 23 N., R. 21 E.	Cottonwood Spring.....	Warm.....		Local use.
54	Dead Ox Canyon, east side of Truckee River, 12 miles south of Nixon, T. 21 N., R. 24 E.		do.....		1 spring; not used.
55	6 miles west of Reno.....	Lawton Hot Springs.....	120.....	250.....	2 main springs; resort, bath-
55b	10 miles south of Reno.....	Reno Hot Springs.....	Boiling.....		Original springs increased by wells; resort, bathing. (Other hot wells 7 miles north at Moana bathing resort.)
56	10 1/4 miles south of Reno.....	Radium Steam Baths.....	Boiling.....	Small.....	Several vapor fissures; bathing.
56	11 miles south of Reno, sec. 33, T. 18 N., R. 20 E.	Steamboat Springs.....	167-203.....	300.....	Many springs, resort, sanitarium. Large deposit of calcareous and siliceous sinter.
57	10 miles north of Carson City.....	Bowers Mansion Spring.....	118.....	20.....	Resort; formerly Franktown Hot Spring.
58	10 miles southwest of Wadsworth, T. 19 N., R. 23 E.		73.....		1 spring; local use.
59	2 miles north of Carson City.....	Carson Hot Springs.....	108.....	65.....	1 principal spring; resort, bathing; formerly Swift's Hot Spring, and Shaw's Hot Spring.
60	6 miles northwest of Minden.....	Walley's Hot Springs.....	136-160.....	Large.....	Many springs; resort; formerly Genoa Hot Springs.
61	Near Simpson, T. 12 N., R. 23 E.	Hund's Hot Springs.....	60-140.....	1,500.....	Several springs; resort.
62	1 mile north of Wabuska, T. 15 N., R. 25 E.	Wabuska Springs.....	138-162.....		Several springs; local use.
63	North end of Hot Springs Butte, 25 miles southwest of Sulphur, about T. 33 N., R. 26 E.	Butte Spring.....	182.....	20.....	Not used.
63a	Humboldt River, 2 miles north of Mill City.	(?).....	Warm.....	Small.....	Several springs; not used.
64	Grass Valley, 25 miles south of Winnemucca, sec. 35, T. 32 N., R. 38 E.	Leach's Hot Spring.....	118.....		1 spring; local use.
65	25 miles south of Winnemucca, sec. 36, T. 32 N., R. 38 E.	Nelson Springs.....	Hot.....		Several springs; local use.
66	25 miles southeast of Humboldt, sec. 2, T. 39 N., R. 36 E.	Kyle's Hot Springs.....	do.....		Several springs; resort.
67	North end of Salt Marsh Valley, about sec. 1, T. 25 N., R. 36 E.		do.....		1 spring; not used.
68	North end of Salt Marsh Valley or Osobb Valley, sec. 29, T. 26 N., R. 38 E.	Sou Hot Springs.....	160-185.....		Group of springs and tufa deposits covering 12 acres; also called Gilbert's Hot Springs; not used.
69	Osobb Valley, 7 miles south of Sou Springs, sec. 26, T. 25 N., R. 38 E.	Cone Spring.....	125.....	Small.....	Not used; also a similar spring 1/4 mile south in sec. 35, across the line in Churchill County.

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Churchill County</b>					
70	Northwest side of Salt Marsh Valley, about T. 24 N., R. 36 E.		Warm.....	Small.....	1 spring; not used.
71	Northeast side of Pah Ute Mountains, T. 23 N., R. 35 E.		Hot.....		Several springs; not used.
72	56 miles northeast of Reno, sec. 12, T. 22 N., R. 26 E., on U. S. Highway 40.	Springer's Hot Springs.....	158-187.....	10.....	6 springs; bathing; auto station.
73	15 miles northwest of Fallon, T. 20 N., R. 27 E.	Eagle Salt Works Springs.....	Hot.....		Several springs; local use.
74	3 miles east of South Carson Lake, T. 17 N., R. 30 E.	Borax Spring.....	178.....		Not used.
75	20 miles southeast of Fallon, about sec. 6, T. 16 N., R. 32 E.		Hot.....		Several springs; sulphur odor; not used.
<b>Lander County</b>					
76	25 miles north of Battle Mountain, T. 36 N., R. 45 E.	Iszenhood Ranch Springs.....	83.....	1,000.....	Original discharge doubled by trenching, thus lowering water level 4 feet; irrigation.
77	2 miles west of Rock Creek, about sec. 8, T. 33 N., R. 47 E.	White Rock Spring.....	Warm.....		Local use.
77a	8 miles west of Beowawe, sec. 5, T. 31 N., R. 48 E.	Beowawe Geysers.....	100-200.....	50.....	About 35 springs on tufa terrace for 1/4 mile along fault on hillside; 3 hot springs in lowland nearby. Discharge varies according to season; 2 or 3 springs have true geyser action.
78	Buffalo Valley, 25 miles southwest of Battle Mountain, sec. 24, T. 29 N., R. 41 E.		130.....	5.....	Several springs; not used.
79	Reese River Valley, 25 miles south of Battle Mountain, sec. 7, T. 28 N., R. 44 E.	Mound Spring.....	110.....	3.....	Roadside watering.
80	Reese River Valley, 1 mile north of Hot Spring ranch, sec. 23, T. 27 N., R. 43 E.		124.....	450.....	Several springs; irrigation.
81	Hot Spring ranch, Reese River Valley, sec. 26, T. 27 N., R. 43 E.		122.....	50.....	Several springs; domestic, irrigation.
82	10 miles south of Lander, T. 27 N., R. 47 E.		Hot.....		1 spring; local use.
83	North end of Grass Valley, about T. 22 N., R. 47 E.		181.....		Do.
84	6 miles north of Hot Springs, Smith Creek Valley, T. 18 N., R. 39 E.		Warm.....		Do.
85	West side of Smith Creek Valley, sec. 25, T. 17 N., R. 40 E.		Hot.....		Several springs; not used.
86	18 miles southeast of Austin, T. 17 N., R. 44 E.	Spencer Hot Springs.....	117-144.....	6.....	Several springs; local use.
87	20 miles southeast of Austin, SE 1/4 sec. 14, T. 16 N., R. 45 E., Polybe National Forest.		Hot.....	5.....	7 springs; bathing.
<b>Eureka County</b>					
88	1 mile northeast of Beowawe.....	Horseshoe ranch springs.....	125-132.....	30.....	2 springs; irrigation, bathing.
88a	Crescent Valley, 12 miles south of Beowawe, sec. 2, T. 29 N., R. 48 E.		122.....	40.....	2 springs; cattle watering.
89	Head of Hot Creek, 14 miles north of Mineral, sec. 12, T. 28 N., R. 52 E.		84.....	5,900.....	Group of 6 springs; irrigation.
90	10 miles north of Mineral, sec. 24, T. 28 N., R. 52 E.	Carlotti ranch springs.....	95-102.....	100.....	2 springs 1/4 mile apart; irrigation.
90a	7 miles northeast of Mineral, sec. 14, T. 27 N., R. 52 E.	Bruffey's Hot Springs.....	108-152.....	50.....	6 springs; domestic, irrigation. Recent tufa deposits of calcium carbonate; old tufa contains bayrite and fluorite. Formerly Mineral Hill Hot Springs.
91	Diamond Valley, sec. 5, T. 25 N., R. 53 E.	Flynn ranch springs.....	60-78.....	10.....	Deep pool and minor springs; irrigation.
91a	Diamond Valley, sec. 6, T. 24 N., R. 53 E.	Siri ranch spring.....	87.....	300.....	Irrigation.
91b	Diamond Valley, sec. 23, T. 24 N., R. 52 E.	Sadler Springs.....	106.....	5,000.....	Irrigation; formerly Big Shipley Springs.
91c	Diamond Valley, sec. 36, T. 23 N., R. 52 E.	Sulphur Springs ranch springs.....	74.....	20.....	Irrigation.
91d	East side of Diamond Valley.....	Jacobson ranch springs.....	71-75.....	900.....	Do.
92	West side of Grass Valley, sec. 15, T. 24 N., R. 47 E.		Hot.....	Small.....	Several springs; stock water.
93	East side of Grass Valley, sec. 33, T. 24 N., R. 48 E.		do.....	do.....	Several springs; not used.
93a	Antelope Valley, 35 miles southwest of Eureka, sec. 5, T. 19 N., R. 50 E.	Bartine Hot Springs.....	105-108.....	10.....	2 springs on large tufa knoll; artesian well of hot water nearby.



	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
93b	Antelope Valley, 45 miles southwest of Eureka, sec. 23, T. 18 N., R. 50 E.	Globe Hot Spring	142	100	Stock water.
93c	Head of Fish Creek, sec. 7, T. 16 N., R. 53 E.	Sara ranch springs	66	4,000	About 20 deep pools in area ¼ mile in diameter; irrigation.
<b>White Pine County</b>					
94	North end of Schell Creek Mountains, 15 miles southeast of Currie, sec. 27, T. 26 N., R. 65 E.	Collar and Elbow Spring	92	20	Not used; tufa deposit.
95	Near Egan Canyon 1¼ miles southwest of Cherry Creek railroad station, T. 23 N., R. 63 E.	Cherry Creek Hot Springs	118-135	40	3 springs; bathing.
96	1¼ miles southwest of Cherry Creek railroad station, T. 23 N., R. 63 E.	Schellbourne Hot Springs	124		2 springs; bathing, irrigation.
97	Steptoe Valley, 6 miles north of Melvin, sec. 16, T. 22 N., R. 63 E.	Borchert John Spring	66	800	Irrigation.
98	1 mile northwest of Warm Springs station, sec. 24, T. 21 N., R. 63 E.	Monte Neva Hot Springs	173-193	200	6 springs; resort, bathing. Mound of siliceous sinter, ¼ mile in diameter. Formerly Goodrich Hot Springs and Melvin Hot Springs.
99	East base of Kern Mountains, about T. 21 N., R. 70 E.		Warm		1 main spring; not used.
100	10 miles northwest of McGill, SW¼ sec. 5, T. 19 N., R. 63 E.		58-76	200	Several springs; irrigation.
101	Near McGill, sec. 21, T. 18 N., R. 64 E.	McGill Warm Springs	76-84	450	Do.
102	1½ miles northeast of Ely, sec. 10, T. 16 N., R. 63 E.	Ely Warm Spring	85	23	Bathing.
102a	Newark Valley, T. 23 N., R. 56 E.	Moore's ranch springs	65-70	200	Irrigation.
103	North end of White Pine Valley, sec. 23, T. 14 N., R. 56 E.	Big Blue Spring	Warm		Bathing.
103a	12 miles northwest of Preston, sec. 33, T. 13 N., R. 60 E.	Williams Hot Spring	124	50	Do.
104	Preston, sec. 1, T. 12 N., R. 61 E.	Preston Springs	Warm	5,700	Several springs; irrigation, domestic.
105	Lund, sec. 33, T. 12 N., R. 62 E.	Lund Spring	do	2,400	Municipal water supply.
106	Near Geyser, in south end of Spring Valley, T. 11 N., R. 65 E.	Warm Sulphur Springs	do		Several springs; local use.
107	Snake Valley, T. 11 N., R. 69 E., 15 miles south of Baker.	Big Spring	64	8,000-12,000	Irrigation.
107a	Head of Big Springs Creek, sec. 30, T. 10 N., R. 70 E.	(?)	Warm	2,000	Do.
<b>Mineral County</b>					
108	3 miles north of Walker Lake, 6 miles east of Schurz, T. 13 N., R. 29 E.	Double Spring	do		Not used.
109	East Walker River, 20 miles west of Hawthorne, sec. 4, T. 7 N., R. 27 E.		Hot		Several springs; public reserve, bathing.
110	Sodaville, T. 6 N., R. 35 E.		do		Several springs; local use.
<b>Esmeralda County</b>					
111	Silver Peak, NE¼ sec. 22, T. 2 S., R. 39 E.	Waterworks Springs	69-118	500	11 springs; town water supply.
112	11 miles northwest of Goldfield, NE¼ sec. 26, T. 1 S., R. 41 E.	Alkali Spring	120-140	50	Not used; tufa deposit.
<b>Nye County</b>					
113	West side of Gabbs Valley, sec. 7, T. 12 N., R. 34 E.		Hot		1 spring; not used.
114	1 mile east of McLeod's ranch, Big Smoky Valley, T. 14 N., R. 43 E.		do		On large mound; not used.
115	Near Millett, Big Smoky Valley, T. 14 N., R. 43 E.	Gendron Spring	61	10	Local use.
116	Near Charnock ranch, Big Smoky Valley, T. 13 N., R. 44 E.	Charnock Springs	80	450	Several springs; irrigation; also called Big Blue Springs.
117	Big Smoky Valley, 14 miles south of Millett, sec. 14, T. 11 N., R. 42 E.		Boiling	600	1 spring; local use.
118	Darrough ranch, Big Smoky Valley, NW¼ sec. 17, T. 11 N., R. 43 E.	Darrough Hot Springs	160-198	175	Several springs; resort.
119	2 miles southeast of Potts, sec. 1, T. 14 N., R. 47 E.		Warm		Several springs; local use.
120	5 miles south of Potts, sec. 22, T. 14 N., R. 47 E.	Diana's Punch Bowl	Hot	Small	1 main spring; not used.
121	Fish Spring Valley, secs. 26 and 35, T. 11 N., R. 49 E.	Fish Springs	Warm		Several springs; local use.
122	5 miles north of Duckwater, sec. 32, T. 13 N., R. 56 E.		do	Large	Several springs; irrigation.
123	Near San Antonio, T. 7 N., R. 42 E.	Indian Springs	do		3 springs; local use.
124	Hot Creek, 8 miles northeast of Tybo, T. 7 N., R. 51 E.		do		Several springs; not used.
125	South end of Hot Creek Valley, T. 4 N., R. 50 E.		Boiling		2 springs; not used.

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
126	West side of Railroad Valley, 20 miles southwest of Currant, sec. 15, T. 8 N., R. 55 E.	Lock's Springs	93-99	2,000	4 springs; domestic, irrigation; 2 springs issue in pools on large terrace of tufa; 2 issue in meadow at base of terrace.
127	Railroad Valley, 6 miles south of Lock's Springs, sec. 16, T. 7 N., R. 55 E.	Chimney Springs	130-160	100	3 springs; stock water; issue from large mounds of iron-stained tufa.
128	East side of Railroad Valley, 18 miles south of Currant, sec. 11, T. 8 N., R. 57 E.	Blue Eagle Springs	82	1,385	2 main springs; irrigation.
129	¾ mile south of Blue Eagle Springs, sec. 14, T. 8 N., R. 57 E.	Kate Spring	73	14	Domestic, irrigation.
130	East side of Railroad Valley, sec. 27, T. 8 N., R. 57 E.	Butterfield Springs	64	227	2 springs; irrigation.
131	East side of Railroad Valley, sec. 34, T. 8 N., R. 57 E.	Bacon Springs	57	2	2 seeping springs; stock water.
132	East side of Railroad Valley, sec. 28, T. 7 N., R. 57 E.	Bullwhacker Spring	59	10	Stock water.
133	East side of Railroad Valley, sec. 5, T. 6 N., R. 57 E.	Willow Springs	60	30	2 seeping springs; stock water.
134	5 miles west of White River, sec. 33, T. 9 N., R. 61 E.	Mormon Springs	100	100	Several springs; irrigation.
135	Near White River, T. 9 N., R. 62 E.	Riordan ranch springs	70	200	Several springs; irrigation. Formerly Emigrant Springs.
136	White River Valley, near Sunnyside, sec. 2, 31 and 32, T. 7 N., R. 62 E.		65-75	2,000	6 springs; irrigation; on Whipple and Hendricks ranches. Formerly Flag Springs.
137	White River Valley, 8 miles southwest of Sunnyside, sec. 18, T. 6 N., R. 61 E.	Hot Creek ranch springs	85-90	5,000	Several springs; irrigation.
138	5 miles north of Beatty, T. 11 S., R. 47 E.	Hicks Hot Springs	110	40	5 springs; resort.
139	Ash Meadow, sec. 22, T. 17 S., R. 50 E.		76-94	450	4 springs; not used.
140	Pahrump ranch, sec. 14, T. 20 S., R. 53 E.	Pahrump Springs	77	2,200	2 main springs; irrigation.
141	Manse ranch, sec. 3, T. 21 S., R. 54 E.	Manse Springs	75	1,500	2 springs; irrigation.
<b>Lincoln County</b>					
142	5 miles east of Patterson, T. 8 N., R. 65 E.	Geyser ranch springs	65-70	50	Several springs; irrigation.
143	Hammond ranch, T. 5 N., R. 70 E.		84		Do.
144	9 miles west of Panaca, T. 2 S., R. 68 E.	Bennetts Springs	70	Small	2 springs; stock water.
144a	10 miles north of Panaca	Delmoe's Springs	70	200	Irrigation; other warm springs on Flatnose ranch nearby.
145	Panaca, sec. 4, T. 2 S., R. 68 E.	Panaca Spring	85-88	2,500	Municipal water supply.
146	¼ mile north of Caliente, T. 4 S., R. 67 E.	Caliente Hot Spring	110		Bathhouse and pool; formerly flowed, later pumped.
147	6 miles north of Hiko, sec. 22, T. 4 S., R. 60 E.	Hiko Spring	90	4,000	Domestic, irrigation.
148	1 mile northwest of Hiko	Crystal Spring	90	9,000	Do.
149	4 miles south of Hiko	Ash Spring	90-97	9,000	Domestic, irrigation; 6 main springs.
<b>Clark County</b>					
150	3 miles west of Moapa, T. 14 S., R. 65 E.		90		Several springs; bathing, irrigation.
151	1 mile south of Indian Spring railroad station, sec. 16, T. 16 S., R. 56 E.	Indian Spring	78	410	Railroad use and irrigation.
152	2 miles west of Las Vegas, T. 20 S., R. 41 E.	Las Vegas Springs	73	2,600	2 springs; domestic, industrial, irrigation.

## New Mexico

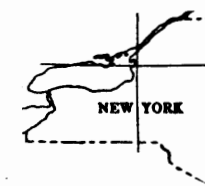
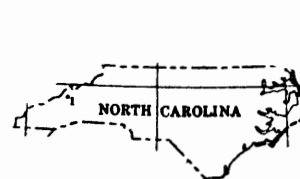
<b>San Juan County</b>					
1	10 miles south of Shiprock, about sec. 32, T. 11 N., R. 2 W.		68	3	1 spring; stock water; sulphur odor.
2	5 miles north of Newcomb, about sec. 8, T. 7 N., R. 2 W.		65	3	1 spring; stock water, faint sulphur odor.
3	4 miles north of Newcomb, about sec. 16, T. 7 N., R. 2 W.		67	7	Do.
<b>Rio Arriba County</b>					
4	¼ mile northwest of La Madera, SE¼ sec. 23, T. 25 N., R. 8 E.		80	10	Several springs; not used.
5	1 mile northeast of La Madera, SE¼ sec. 24, T. 25 N., R. 8 E.		(?)	5	Do.
6	¼ mile north of La Madera, NW¼ sec. 25, T. 25 N., R. 8 E.		90	15	1 spring; not used.
7	1 mile southwest of La Madera, NE¼ sec. 35, T. 25 N., R. 8 E.		(?)	5	Do.

New Mexico—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Taos County</b>					
8	12 miles northwest of Barranca.....	Ojo Caliente Springs.....	98-113...	350.....	5 springs; resort; tufa deposit.
<b>McKinley County</b>					
9	20 miles east of Tohatchi, about sec. 33, T. 19 N., R. 15 W.	Togay Springs.....	65.....	20.....	Many small pools; stock water; formerly more active.
<b>Sandoval County</b>					
10	15 miles north of Jemez Springs, sec. 29, T. 20 N., R. 3 E.	Murray Spring.....	130.....	150.....	Not used.
11	San Antonio Creek, 20 miles north of Jemez Springs, sec. 7, T. 20 N., R. 4 E.	San Antonio Springs.....	120.....	50.....	1 spring; not used.
12	12 miles north of Jemez Springs, sec. 3, T. 19 N., R. 3 E.	Sulphur Springs.....	80-167.....	500.....	About 8 springs; not used; sulphur odor.
13	2 miles north of Jemez Hot Springs, about sec. 15, T. 18 N., R. 2 E.	Soda Dam Springs.....	75-105.....	10.....	Several springs; not used. Large tufa deposit in channel of Jemez River.
14	7 miles north of Jemez Springs, SE¼ sec. 4, T. 18 N., R. 3 E.	McCauley Spring.....	(?).....	110.....	Not used.
15	12 miles north of Jemez, about sec. 22, T. 18 N., R. 2 E.	Jemez Hot Springs.....	94-168.....	200.....	2 groups of about 10 and 40 springs; resort.
16	1 mile northeast of Rio Salado and 8 miles west of Jemez Pueblo, T. 16 N., R. 1 W.	Phillips Springs.....	70.....	8.....	About 40 springs, cover 30 acres; unused. Travertine mounds of extinct springs.
17	2 miles north of San Ysidro, T. 16 N., R. 2 E.	Indian Springs.....	120.....	.....	Several springs; local use.
18	7 miles southwest of San Ysidro, sec. 8, T. 15 N., R. 1 E.	San Ysidro Hot Springs.....	85.....	.....	About 40 springs; local use, strongly carbonated.
19	5 miles southwest of San Ysidro, secs. 3, 9, 10, T. 15 N., R. 1 E.	San Ysidro Warm Springs.....	68.....	.....	Several springs; unused.
<b>San Miguel County</b>					
20	6 miles northwest of Las Vegas.....	Las Vegas Hot Springs.....	80-140.....	100.....	6 springs; bathing. Formerly Montezuma Hot Springs; slight sulphur odor.
<b>Valencia County</b>					
21	12 miles southwest of Zuni Village, sec. 21, T. 8 N., R. 20 W.	Ojo Caliente Springs.....	80.....	500.....	2 springs; bathing, irrigation.
22	North side of San Jose River, 4 miles southeast of Suwanee railroad station, 2 miles northwest of Quelites village, T. 8 N., R. 2 W.	Quelites Mineral Spring.....	80.....	3.....	Local use; tufa deposit.
<b>Socorro County</b>					
23	1¼ miles southwest of Socorro.....	Socorro Warm Springs.....	93.....	500.....	Several springs; water supply of Socorro.
24	15 miles northwest of Monticello, sec. 31, T. 8 S., R. 7 W., Datil National Forest.	Ojo Caliente.....	85.....	1,200.....	1 large and 6 small springs; not used.
<b>Catron County</b>					
25	1 mile south of Pleasanton, SW¼ sec. 23, T. 12 S., R. 20 W.	.....	80-124.....	50.....	8 springs; local use.
26	1 mile south of D D Bar ranch, NW¼ sec. 30, T. 11 S., R. 12 W.	.....	80.....	50.....	1 spring; not used.
27	Diamond Creek near its mouth, about sec. 19, T. 12 S., R. 13 W.	.....	151.....	30.....	Do.
<b>Grant County</b>					
28	Sec. 26, T. 13 S., R. 16 W.	.....	80.....	20.....	Do.
29	Turkey Creek, 3 miles above its junction with Gila River, sec. 3, T. 14 S., R. 16 W.	.....	Hot.....	20.....	Do.

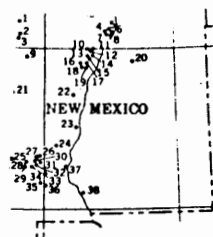
New Mexico—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Sierra County</b>					
30	Upper Gila River near Diamond Creek, sec. 5, T. 13 S., R. 13 W.	Gila Hot Springs.....	90-100.....	900.....	4 springs; bathing.
31	Gila River, sec. 3, T. 13 S., R. 13 W.	.....	Hot.....	30.....	1 spring; local use.
32	Gila River, sec. 20, T. 13 S., R. 13 W.	.....	do.....	30.....	1 spring; not used.
33	Gila River, sec. 16, T. 14 S., R. 14 W.	.....	do.....	20.....	Do.
34	4 miles northwest of Mimbres.....	Hudson's Hot Springs.....	142.....	.....	Several springs; bathing.
35	7 miles north of Whitewater.....	Apache Tejo Warm Springs.....	97.....	2,000.....	Several springs; developed by county.
36	6 miles northeast of Faywood, T. 20 S., R. 11 W.	Faywood Hot Springs.....	142.....	120.....	Several springs; resort, bathing.
<b>Dona Ana County</b>					
37	Hot Springs.....	Hot Springs.....	90-105.....	10.....	Several springs; resort. Formerly Palomas Hot Springs. About 15 bathing establishments get warm water from wells drilled about 100 feet deep. Site of State hospital for crippled children.
38	Near Radium Springs railway station, 17 miles north of Las Cruces.	Radium Hot Springs.....	165, 185.....	.....	2 springs excavated as shallow wells; resort. Formerly Seiden Hot Springs. Supply water for baths and heating hotel. Sodium chloride is principal salt in solution.



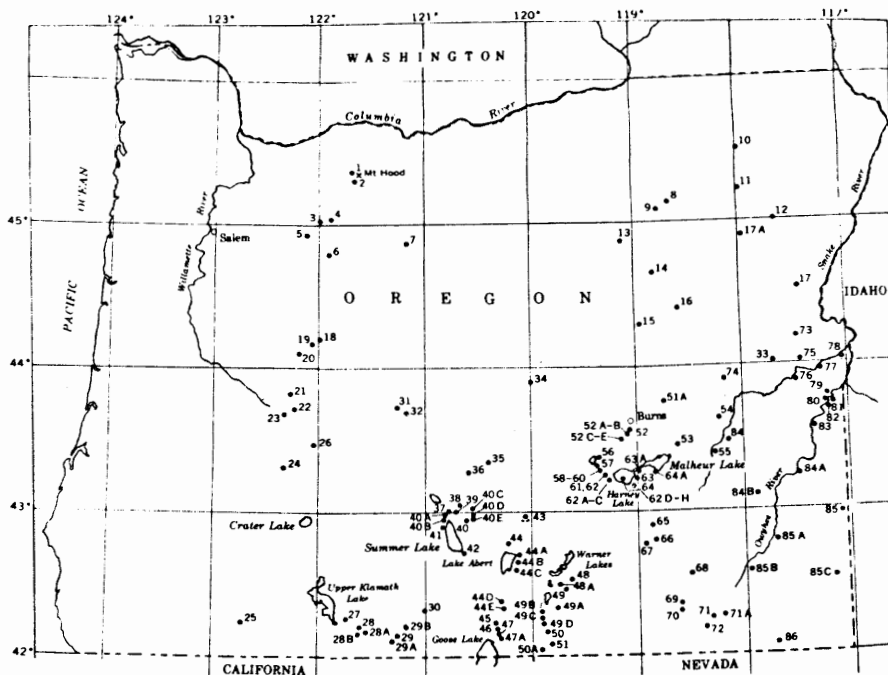
New York

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Columbia County</b>					
1	Lebanon Springs, 27 miles southeast of Albany.	Lebanon Warm Spring.....	75.....	500.....	Resort, well known since colonial times.
<b>North Carolina</b>					
<b>Madison County</b>					
1	French Broad River at Hot Springs, 40 miles northwest of Asheville.	Hot Springs.....	92-117.....	100.....	About 20 springs, of which 4 have been developed (90°-100°); issue at river edge; resort.



## Oregon

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Clackamas County</b>					
1	Sec. 29, T. 2 S., R. 29 E.	Crater Rock Hot Springs	Hot		Several small springs; not used.
2	South side of Mount Hood, SW¼ sec. 24, T. 3 S., R. 8½ E., Mount Hood National Forest.	Mount Hood Warm Springs	60-80	25	Several small springs in area of 3 acres; resort.
3	Clackamas River, NE¼ sec. 25, T. 6 S., R. 6 E., about 25 miles southeast of Cazadero.		188		Several springs; local use.
4	Clackamas River, about 27 miles southeast of Cazadero, NW¼ sec. 30, T. 6 S., R. 7 E.	Carey Hot Springs	176-196		Several springs; bathing; sulphur odor; formerly Austin Hot Springs.
5	Hot Springs Creek, 4 miles south of Thunder Mountain, NW¼ sec. 26, T. 7 S., R. 5 E.	Bagsby Hot Springs	Hot	50	8 springs in area of 5 acres; camping ground.
<b>Marion County</b>					
6	Breitenbush River, 12 miles northeast of Detroit, NE¼ sec. 20, T. 9 S., R. 7 E.	Breitenbush Hot Springs	140-198	900	About 40 springs in 2 groups in area of 10 acres; resort.
<b>Wasco County</b>					
7	Warm Springs River 9 miles north of Warm Springs Indian Agency, secs. 19 and 20, T. 8 S., R. 13 E.	Warm Springs	138-145	Large	Many springs issue along banks of river for 2 miles; sulphur odor; camp ground.
<b>Umatilla County</b>					
8	Camas Creek, 50 miles south of Pendleton, SW¼ sec. 1, T. 5 S., R. 33 E., Umatilla National Forest.	Lehman Hot Springs	Scalding	75	10 springs; resort.
9	7 miles southwest of Lehman Hot Springs, T. 5 S., R. 33 E., just outside Umatilla National Forest.	Hideaway Springs	Hot		Several springs; resort; sulphur odor.



## Oregon—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Union County</b>					
10	2 miles northeast of Summerville, about sec. 6, T. 1 S., R. 39 E.		Warm		Several springs; local use.
11	Hot Lake, 10 miles southeast of La Grande, T. 4 S., R. 39 E.	Hot Lake	180	175	Bathing.
12	20 miles north-northeast of Baker, sec. 24, T. 6 S., R. 41 E.	Medical Springs	140	50	2 springs; local use.
<b>Grant County</b>					
13	North bank of Middle Fork of John Day River, near Ritter, sec. 8, T. 8 S., R. 30 E.	Ritter Hot Spring	110	35	Resort; formerly McDuffee Hot Spring.
14	Camp Creek, 6 miles south of Susanville, sec. 35, T. 10 S., R. 32 E.	Hot Sulphur Spring	120		Resort.
<b>Grant County—Continued</b>					
15	Near Canyon Creek, 10 miles south of Canyon City, sec. 11, T. 15 S., R. 31 E., Malheur National Forest.	Bear Gulch Spring	Warm	2	Not used.
16	Near mouth of Reynolds Creek, 10 miles southeast of Prairie City, sec. 13, T. 14 S., R. 34 E.	Blue Mountain Hot Springs	Hot		Several springs; local use.
<b>Baker County</b>					
17	4 miles southeast of Durkee, sec. 2, T. 12 S., R. 43 E.	Sam-O Mineral Springs	80		2 springs; local use.
17a	10 miles northwest of Baker, sec. 28, T. 7 S., R. 39 E.	Radium Hot Spring	135		Natural flow small; increased many times by 2 flowing thermal wells; bathing.
17b	1 mile east of Baker, sec. 16, T. 9 S., R. 40 E.	Sam-O Spring	80	400	Irrigation.
<b>Lane County</b>					
18	6 miles east of McKenzie Bridge, sec. 11, T. 16 S., R. 6 E.	Belknap Hot Springs	150-188	75	3 main springs; resort.
19	4½ miles southeast of McKenzie Bridge, sec. 28, T. 16 S., R. 6 E.	Foley Springs	162-174	25	4 springs; resort.
20	South Fork of McKenzie River 8 miles southwest of McKenzie Bridge, SE¼ sec. 7, T. 17 S., R. 5 E., Cascade National Forest.		130	60	4 springs; not used.
21	10¼ miles northeast of Oakridge, NW¼ sec. 26, T. 20 S., R. 4 E., Cascade National Forest.	Wall Creek Hot Springs	96	3	3 springs; local use.
22	11 miles east of Oakridge, SE¼ sec. 36, T. 21 S., R. 4 E., Cascade National Forest.	Winino Springs	Hot	20	Group of 15 springs covering 1 acre; resort. Also called McCredie Springs.
23	8 miles southeast of Oakridge, sec. 6, T. 22 S., R. 4 E., Cascade National Forest.	Kitson Springs	114	35	2 main springs; resort.
<b>Douglas County</b>					
24	Umpqua River, 5 miles south of Potter Mountain, NW¼ sec. 20, T. 26 S., R. 4 E., Umpqua National Forest.	Umpqua Warm Spring	105	5	2 springs; not used.
<b>Jackson County</b>					
25	2 miles northwest of Ashland	Jackson Hot Springs	104	70	8 springs; resort.
<b>Klamath County</b>					
26	Summit Lake Valley, about sec. 31, T. 24 S., R. 5½ E.		Warm		Several springs; local use.
27	Klamath Falls	Klamath Hot Springs	185	150	1 principal group of springs supplies bathing pool. Numerous wells in vicinity supply hot water for heating residences.
28	¼ mile northeast of Olene		130	8	1 spring, domestic; other springs issue in river bed nearby.
28a	2 miles east of Olene	Taylor Warm Spring	75	600	Irrigation.
28b	1 mile south of Olene	Crystal Springs	76	1,350	Irrigation; bathing.
29	10 miles southeast of Bonanza, NW¼ sec. 10, T. 40 S., R. 13 E.	Oregon Hot Springs	148	35	Bathing; sanitarium. Formerly Turner Hot Springs.
29a	9½ miles southeast of Bonanza, SW¼ sec. 10, T. 40 S., R. 13 E.	Smith's Hot Spring	146	8	Bathing; stock water.
29b	13 miles southeast of Bonanza, NE¼ sec. 6, T. 40 S., R. 14 E.	Wilkinson's Warm Springs	76	20	2 springs on lava mound; domestic, irrigation.
30	Horsety Valley, 8 miles south of Bly, sec. 18, T. 38 S., R. 15 E.	Robertson's Springs	Hot		Several springs; local use.

## Oregon—Continued

	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Deschutes County</b>					
31	North shore of Paulina Lake, NW¼ sec. 26, T. 21 S., R. 12 E., Deschutes National Forest.	Paulina Springs.....	65, 70.....	10.....	2 springs; not used.
32	South shore of East Lake, SW¼ sec. 29, T. 21 S., R. 13 E., Deschutes National Forest.	East Lake Hot Springs.....	110-141.....		Many small springs; bathing.
<b>Crook County</b>					
33	Spring numbered 33 by error; see no. 75. in Malheur County, p. 177.				
34	Near Twelvemile Creek, 20 miles southwest of Paulina, about sec. 36, T. 19 S., R. 29 E.		60-87.....		Several springs; local use.
<b>Lake County</b>					
35	5 miles northeast of Fossil Lake, sec. 35, T. 26 S., R. 19 E.	Sand Springs.....	62.....	30.....	3 springs.
36	West shore of Christmas Lake, sec. 32, T. 26 S., R. 18 E.		62.....	3.....	1 spring, improved by excavating; domestic supply.
37	7 miles north of Summer Lake post office, sec. 6, T. 30 S., R. 17 E.	Ana River Springs.....	66.....	(?).....	5 springs; irrigation.
38	9 miles north of Summer Lake post office, sec. 5, T. 30 S., R. 17 E.	Buckhorn Creek Springs.....	68.....	1,000.....	Several springs; irrigation.
39	12 miles northeast of Summer Lake post office, sec. 34, T. 29 S., R. 17 E.	Johnson Creek Springs.....	56.....	9,000.....	Do.
40	East side of Summer Lake Valley, sec. 19, T. 30 S., R. 18 E.	Thousand Springs.....	66.....	200.....	Many small springs; irrigation.
41	½ mile north of Summer Lake post office, sec. 35, T. 30 S., R. 16 E.	Pardon Warm Spring.....	76.....	40.....	Local use.
42	Near south end of Summer Lake, sec. 11, T. 33 S., R. 17 E.	Woodward Hot Spring.....	123.....	20.....	Irrigation, bathing.
43	West shore of Alkali Lake, sec. 12, T. 30 S., R. 22 E.		59.....	25.....	1 spring; domestic, stock water.
44	XL ranch, 3 miles north of Abert Lake, sec. 22, T. 32 S., R. 21 E.		63.....	10.....	1 spring; domestic, irrigation.
44a	Northeast shore of Abert Lake, 19 miles north of Valley Falls.	(?).....	65.....	20.....	Stock water.
44b	East shore of Abert Lake, 17 miles north of Valley Falls.	(?).....	68.....	10.....	Do.
44c	Southeast shore of Abert Lake, 12 miles north of Valley Falls.	(?).....	80.....	30.....	Do.
44d	10 miles north of Lakeview.....	White Rock Ranch Springs.....	63, 71.....	10.....	2 springs; domestic, irrigation.
45	2 miles north of Lakeview.....	Hunters Hot Springs.....	128-162.....	600.....	12 main springs; hotel, resort; artesian well ½ mile northeast, 200 feet deep, discharges 120 gallons a minute of boiling water, used to heat hotel.
46	1½ miles south of Lakeview.....	Leithhead Hot Spring (Joyland Plunge).....	162.....	50.....	1 spring; bathing; sulphur odor; formerly Lakeview Hot Spring.
47	2 miles south of Lakeview.....	Barry Ranch Hot Springs.....	175-182.....	25.....	3 springs; irrigation; sulphur odor; formerly Lakeview Hot Springs and Down's Hot Springs.
48	Upper Rock Creek, 4 miles east of North Warner Lake, sec. 16, T. 35 S., R. 25 E.		105-115.....	50.....	Several springs; stock water.
49	North side of Hart Mountain, sec. 7, T. 36 S., R. 26 E.	Hart Mountain Hot Spring.....	Hot.....		About 200 feet below crest of Hart Mountain; stock water.
50	Warner Valley, 1 mile east of Adel post office, sec. 23, T. 39 S., R. 24 E.	Adel Hot Spring.....	160.....	10.....	Local use.
51	Warner Valley, 3 miles east of Warner Lake post office, sec. 27, T. 40 S., R. 24 E.	Houston Hot Springs.....	160.....	20.....	4 springs; local use.
<b>Harney County</b>					
51a	17 miles northeast of Burns, sec. 14, T. 22 S., R. 32½ E.		72.....	225.....	Stock water, irrigation.
52	5 miles south of Burns, secs. 35 and 36, T. 23 S., R. 30 E.	Millpond Spring (and others).....	73-80.....	1,200.....	3 springs, ¾ mile apart; irrigation and industrial.
53	4 miles northwest of Crane, sec. 34, T. 24 S., R. 33 E.	Crane Hot Spring.....	126.....	180.....	1 spring; resort.
54	West side of Middle Fork of Malheur River, Warm Spring Valley, 8 miles northwest of Riverside, sec. 23, T. 22 S., R. 36 E.		138-144.....	90.....	Several springs; irrigation.

## Oregon—Continued

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
55	West side of South Fork of Malheur River, 8 miles north of Venator, sec. 16, T. 25 S., R. 36 E.		104-108.....	200.....	Do.
56	Near south shore of Silver Lake, sec. 12, T. 26 S., R. 27 E.		68.....	45.....	1 spring; irrigation.
57	3¼ miles east of Iron Mountain, sec. 33, T. 26 S., R. 28 E.		68.....	5,350.....	1 spring; stock water.
58	West side of Harney Lake, 1¼ miles west of OO ranch, sec. 34, T. 26 S., R. 28 E.	OO Spring.....	74.....	8,600.....	1 spring; irrigation.
59	OO ranch, sec. 36, T. 26 S., R. 28 E.	OO Barnyard Spring.....	72.....	1,750.....	Do.
<b>Harney County—Continued</b>					
60	1 mile southeast of OO ranch, sec. 31, T. 26 S., R. 29 E.	Basque Spring.....	67-74.....	1,800.....	1 spring; irrigation.
61	2 miles southeast of OO ranch, sec. 5, T. 27 S., R. 29 E.	Johnson Spring.....	72.....	900.....	Do.
62	3 miles southeast of OO ranch, sec. 8, T. 27 S., R. 29 E.	Hughet Spring.....	68.....	5,900.....	Do.
62a	5 miles southeast of OO ranch, secs. 9 and 15, T. 27 S., R. 29 E.	Sizemore Springs.....	66-67.....	1,600.....	2 springs, ½ mile apart; irrigation.
63	East side of Harney Lake, sec. 8, T. 27 S., R. 30 E.	Lynch Spring.....	65.....	25.....	1 spring; not used; sulphur odor.
63a	South side of Mud Lake, sec. 4, T. 27 S., R. 30 E.		70.....	35.....	2 springs, ½ mile apart; stock water.
64	½ mile from southeast shore of Harney Lake, sec. 36, T. 27 S., R. 29½ E.		154.....	180.....	1 spring; not used.
64a	Southeastern part of bed of Harney Lake.		66-108.....		5 groups of springs disclosed about 1930 by desiccation of lake; not used.
65	West side of valley of Donner and Blitzen River, 5 miles north of P ranch, sec. 13, T. 31 S., R. 32 E.	Hoghouse Spring.....	78-80.....	1,800.....	1 spring; irrigation.
66	1 mile northeast of P ranch, sec. 5, T. 32 S., R. 32½ E.		83.....	100.....	1 spring; stock water.
67	1 mile southwest of P ranch, sec. 12, T. 32 S., R. 32 E.		89.....	500.....	1 spring; irrigation.
68	West border of Alvord Desert, 6 miles south of Alvord ranch, sec. 33, T. 34 S., R. 34 E.	Alvord H.S.	168-177.....	135.....	Several springs; local use.
69	2 miles south of Alvord Lake, sec. 15, T. 37 S., R. 33 E.		(?).....		Several springs; not used.
70	Old borax works, 2¼ miles south of Alvord Lake; sec. 15, T. 37 S., R. 33 E.		97.....	900.....	1 spring; formerly supply to borax works; not used.
71	5 miles northeast of Flagstaff Butte, sec. 24, T. 35 S., R. 37 E.		96-100.....	30.....	4 springs; stock water.
71a	5 miles southwest of Whitehorse Ranch.		114.....	10.....	Bathing.
72	North side of Trout Creek, ¼ mile below mouth of Little Trout Creek, sec. 16, T. 39 S., R. 37 E.		128.....	45.....	Several springs; stock water.
<b>Malheur County</b>					
73	Near Willow Creek, 20 miles northwest of Vale, sec. 4, T. 16 S., R. 43 E.		Hot.....		1 spring; local use. Drilled well also has hot water.
74	Valley of Warm Creek near Beulah, about sec. 11, T. 19 S., R. 37 E.		185.....	Small.....	Several springs; local use.
75	12 miles northwest of Vale, sec. 9, T. 18 S., R. 43 E.	Neal Hot Spring.....	168.....	24.....	Local use.
76	Malheur River 15 miles southwest of Vale, about sec. 18, T. 19 N., R. 43 E.		Hot.....		Several springs; not used.
77	South side of Malheur River ¼ mile east of Vale, sec. 20, T. 18 S., R. 45 E.	Vale Hot Springs.....	198.....	20.....	1 spring; bathing resort; 140-foot well also has hot water.
78	Malheur River, 3 miles west of Ontario, sec. 31, T. 17 S., R. 47 E.		164.....		1 spring; local use.
79	Owyhee River, sec. 12, T. 21 S., R. 45 E.	Mitchell Butte Hot Springs.....	122-141.....		3 main springs; local use.
80	Owyhee River, about sec. 14, T. 21 S., R. 45 E.	Deer Butte Hot Spring.....	115.....		Local use.
81	Owyhee River near Sniveley's ranch, about sec. 25, T. 21 S., R. 45 E.	North Black Willow Spring.....	67.....		Do.
82	Owyhee River, about sec. 35, T. 21 S., R. 45 E.	South Black Willow Spring.....	71.....		Do.

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
83	Owyhee River, 2 miles below mouth of Dry Creek, about sec. 10, T. 23 S., R. 44 E.		Hot		Several springs; not used.
84	Near South Fork of Malheur River, 5 miles south of Riverside, sec. 20, T. 24 S., R. 37 E.		106-143	60	Several springs; irrigation.
84a	30 miles northwest of Jordan Valley, sec. 18, T. 27 S., R. 43 E., on Owyhee River.	( <sup>1</sup> )	Hot	Large	Unur'd.
84b	23 miles northwest of Rome, at north end of Saddle Mountain.	( <sup>1</sup> )	Warm	Small	Do.
85	One-half mile west of Jordan Valley, sec. 2, T. 30 S., R. 46 E.	Canter's Hot Springs	120	10	3 main springs; bathing.
<i>Malheur County—Continued</i>					
85a	6 miles southwest of Rome	Scott's Springs <sup>1</sup>	68	5,000	Several springs; irrigation.
85b	24 miles southwest of Rome	Tudor's Springs <sup>1</sup>	68	6,000	Do.
85c	40 miles south of Jordan Valley	( <sup>1</sup> )	88-95	1,000	About 15 springs for 1/4 mile along south fork of Owyhee River; unused.
86	6 miles north of McDermitt, Nev., about sec. 36, T. 40 S., R. 42 E.		130	200	Several springs; irrigation.

## Pennsylvania

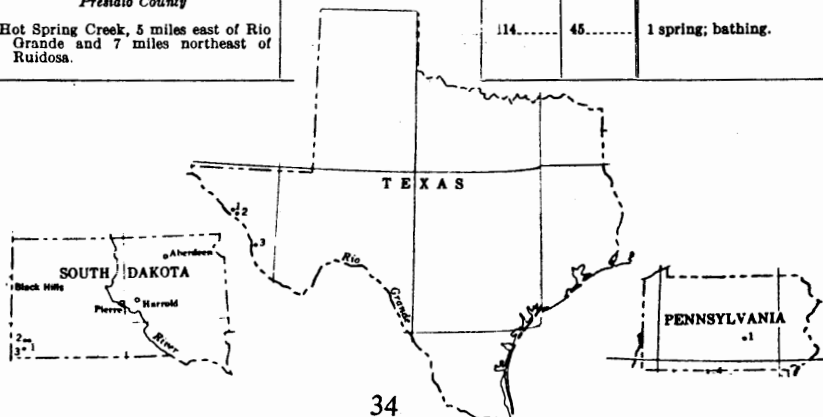
<i>Perry County</i>					
1	Near Sherman Dale, 15 miles northwest of Harrisburg.	Perry County Warm Spring.	72	90	Formerly hotel; water bottled. Only local use in 1934.

## South Dakota

<i>Fall River County</i>					
1	Hot Springs, in west part of town	Hot Springs	98	200	8 springs; resort, sanitarium, U. S. Army hospital.
2	3 miles west of Hot Springs	Hot Brook	90	50	Irrigation.
3	10 miles southwest of Hot Springs	Cascade Springs	90	100	Several springs; irrigation. Supply Cascade Creek.

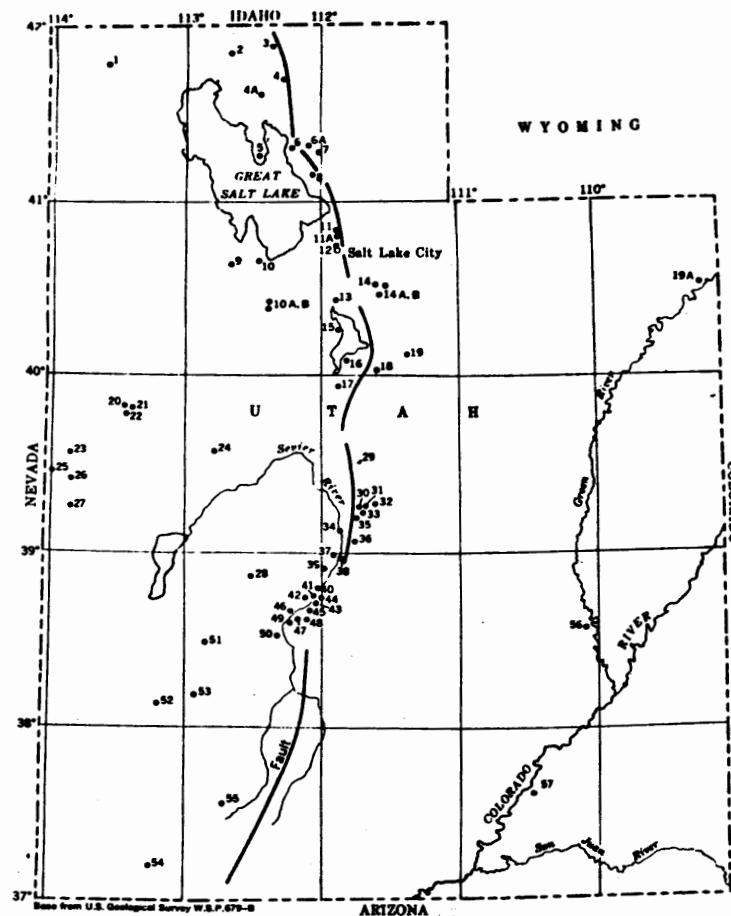
## Texas

<i>Hudspeth County</i>					
1	Near bank of Rio Grande, at south end of Quitman Mountain.		100		1 spring, near river bank; local use.
2	Near bank of Rio Grande, 2 miles east of south end of Quitman Mountain.		118		Pool on river flat; bathing; overflow ceased after earthquake in 1932.
<i>Presidio County</i>					
3	Hot Spring Creek, 5 miles east of Rio Grande and 7 miles northeast of Ruidosa.		114	45	1 spring; bathing.



## Utah

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<i>Box Elder County</i>					
1	18 miles north of Terrace railroad station, sec. 20, T. 12 N., R. 15 W.		Warm	900	1 spring; irrigation.
2	18 miles southeast of Snowville, T. 13 N., R. 5 W.	Blue Springs	86		6 springs; not used.
3	Near Malad River, 2 miles southwest of Plymouth.	Udy's Hot Springs	90-122	3,500	8 main springs; resort, bathing; saline water.
4	12 miles north of Brigham City, T. 11 N., R. 2 W.	Crystal Springs	121-126		About 30 springs; local use.
5	East side of Promontory Point, T. 6 N., R. 5 W.		84		1 spring; not used.
<i>Weber County</i>					
6	8 miles northwest of Ogden, T. 7 N., R. 2 W.	Utah Hot Springs	131-144	110	12 springs; resort. Also called Bear River Hot Springs. Saline and iron-bearing water. Several springs situated across county line in Box Elder County.
6a	9 3/4 miles north of Ogden	Clay's Hot Springs	140	50	2 springs; medical bathing. Saline, iron-bearing water.





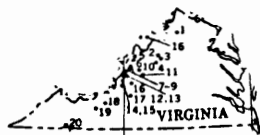
Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
<b>Weber County—Continued</b>					
7	12 miles northeast of Ogden.....	Patio Spring.....	68.....	200.....	Bathing.
8	Mouth of Ogden Canyon on east border of Ogden, T. 6 N., R. 1 W.	Ogden Hot Springs.....	121, 150.....		2 springs; bathhouse and pool.
<b>Tooele County</b>					
9	West side of Stansbury Range, T. 2 S., R. 8 W.	Big Springs.....	74.....		2 springs; brackish, not used.
10	5 miles northwest of Grantsville.....	Grantsville Warm Springs.....	74-91.....	50.....	6 springs; municipal bath house and pool; water brackish. Deposit calcareous tufa.
10a	4 miles southwest of Stockton.....	Morgan's Warm Springs.....	80.....	500.....	1 spring, ponded; bathing, irrigation.
10b	4½ miles southwest of Stockton.....	Russell's Warm Springs.....	90.....	200.....	1 spring, ponded; irrigation.
<b>Salt Lake County</b>					
11	4 miles north of Salt Lake City.....	Beck's Hot Springs.....	128.....		Several springs; resort; sulphur odor.
12	Northwest part of Salt Lake City.....	Wasatch Springs.....	112.....	1,000.....	Resort, sanitarium, municipal baths. Also supplies Crystal Springs. Baths nearby.
<b>Huh?</b>					
13	4 miles southwest of Draper, T. 4 S., R. 1 W.	Crystal Springs.....	70.....		Several springs; bathing.
14	4½ miles northwest of Heber.....	Schneitter's Hot Pots.....	85-116.....	20.....	20 springs; local resort; bathing. Area of tufa 2 miles in extent.
14a	4 miles northwest of Heber.....	Luke's Hot Pots <sup>1</sup> .....	78-110.....	30.....	Local resort; bathing.
14b	3½ miles northwest of Heber.....	Buhler's Springs <sup>1</sup> .....	80-100.....	10.....	Bathing.
<b>Utah County</b>					
15	Northwest shore of Utah Lake.....		Warm.....	200.....	Several springs; not used.
16	South shore of Utah Lake, 8 miles northwest of Payson, T. 8 S., R. 1 E.		88.....	200.....	1 spring; local use.
17	North end of Long Ridge, 2 miles east of Goshen, T. 10 S., R. 1 E.		70.....	2,000.....	Several springs; local use. Source of warm creek.
18	Spanish Fork Canyon, 15 miles south of Provo, T. 9 S., R. 3 E.	Castilla Mineral Springs.....	111, 145.....		3 springs; resort
19	Diamond Creek, 15 miles east of Springville, SE¼ sec. 14, T. 8 S., R. 5 E. Uinta National Forest.		Warm.....	700.....	2 springs; not used; sulphur odor.
<b>Uintah County</b>					
19a	Canyon of Green River, 12 miles northeast of Jensen.....	(?).....	90.....	10.....	2 springs at river's edge; not used.
<b>Juab County</b>					
20	North end of Fish Spring Mountains, T. 11 S., R. 14 W.	Hot Springs.....	74-78.....		Several springs; local use. Called Fish Springs in early reports.
21	¾ mile south of Hot Springs.....	Big Spring.....	85.....		3 springs; not used.
22	1¼ miles south of Hot Springs, T. 11 S., R. 14 W.	Fish Springs.....	81.....		2 springs; local use.
23	Miller's ranch, 8 miles south of Trout Creek, about sec. 33, T. 14 S., R. 18 W.		64.....	500.....	Several springs rise in pools; irrigation.
24	Sevier Desert, 30 miles north of Desert, T. 14 S., R. 8 W.		110-178.....	300.....	About 20 springs; not used.
<b>Millard County</b>					
25	Snake Valley, 1 mile west of Gandy post office, sec. 31, T. 15 S., R. 19 W.		82.....	Large.....	Several springs; irrigation; tufa deposits.
26	Snake Valley, 2 miles south of Foote's ranch, sec. 9, T. 16 S., R. 18 W.		68.....	1,000.....	Several springs rise in pools; irrigation.
27	Snake Valley, 12 miles southeast of Smithville, sec. 11, T. 18 S., R. 18 W.	Knoll Springs.....	68-71.....		Several springs; local use; sulphur odor.
28	3 miles northwest of Hatton, NE¼ sec. 24, T. 22 S., R. 6 W.		94.....	Large.....	1 spring; irrigation.
29	1 mile northwest of Wales, secs. 13 and 24, T. 15 S., R. 2 E.	Brewer's Springs.....	57-62.....	400.....	3 springs; domestic; irrigation.
30	3 miles south of Mantle, sec. 23, T. 18 S., R. 2 E.		59, 62.....	40.....	Lowry Spring in NE¼ sec. 23; Squires Spring in SE¼ sec. 23; irrigation.

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
31	1 mile south of Mantle, SW¼ sec. 13, T. 18 S., R. 2 E.	Livingston Warm Springs.....	62, 73.....	285.....	2 springs; domestic, irrigation.
32	2 miles southeast of Mantle, NW¼ sec. 17, T. 18 S., R. 3 E.	Mantle Springs.....	59, 65.....	30.....	Do.
33	2 miles northeast of Sterling, SE¼ sec. 35, T. 18 S., R. 2 E.	Morrison Spring.....	61.....	2,500.....	Irrigation.
34	Gunnison, SE¼ sec. 18, T. 19 S., R. 1 E.	Gunnison Spring.....	61.....	8.....	Stock water.
35	¼ mile south of Sterling, SE¼ sec. 4, T. 19 S., R. 2 E.	Ninemile Warm Spring.....	72.....	900.....	Domestic; irrigation.
36	8 miles northeast of Redmond, SE¼ sec. 32, T. 20 S., R. 2 E.		58.....	15.....	1 spring; irrigation.
<b>Sevier County</b>					
37	Near Redmond, secs. 11 and 12, T. 21 S., R. 1 W.	Redmond Springs.....	70.....	6,000.....	Several springs; domestic; irrigation.
38	2 miles northeast of Salina, SW¼ sec. 17, T. 21 S., R. 1 E.	Salt Spring.....	72.....	2.....	Not used.
39	2 miles west of Aurora, sec. 1, T. 22 S., R. 2 W.		60.....	20.....	Oak Spring in NE¼ sec. 1; Christianson Spring in SW¼ sec. 1; stock water.
40	1 mile north of Glenwood, NW¼ sec. 23, T. 23 S., R. 2 W.	Herrin's Hole Spring.....	63.....	450.....	Irrigation.
41	1 mile west of Glenwood, SW¼ sec. 27, T. 23 S., R. 2 W.	Cove Springs.....	60.....	4,000.....	Several springs; irrigation.
42	Richfield, NE¼ sec. 26, T. 23 S., R. 3 W.	Richfield Hot Springs.....	74.....	1,500.....	Several springs; town water-works; irrigation.
43	Near Glenwood, sec. 25, T. 23 S., R. 2 W.		60.....	130.....	Domestic; irrigation. Indian Spring in NW¼ sec. 25; Parcel Creek Spring in SW¼ sec. 25.
44	2 miles southeast of Richfield, sec. 5, T. 24 S., R. 2 W.		52-61.....	4,500.....	Several springs; irrigation.
45	6 miles south of Richfield, NW¼ sec. 25, T. 24 S., R. 3 W.		59.....	25.....	1 spring; domestic; irrigation.
46	2 miles northeast of Joseph, SW¼ sec. 6, T. 25 S., R. 3 W.	Jericho Spring.....	65.....	700.....	Irrigation.
47	2 miles southeast of Monroe, NE¼ sec. 27, T. 25 S., R. 3 W.	Johnson Spring.....	80.....	200.....	Do.
48	¼ mile east of Monroe, sec. 15, T. 25 S., R. 3 W.	Cooper Hot Springs.....	144-156.....	100.....	Several springs; irrigation.
49	1 mile southeast of Joseph, NE¼ sec. 23, T. 25 S., R. 4 W.	Joseph Hot Springs.....	135-146.....	30.....	Do.
50	Sevier, NE¼ sec. 32, T. 25 S., R. 4 W.	Sevier Spring.....	59.....	100.....	Domestic; stock water.
<b>Beaver County</b>					
51	West slope of Mineral Mountains, 15 miles northeast of Milford.	Roosevelt Hot Spring.....	192.....	3.....	Formerly bathing; stock water. Deposits tufa and sinter.
52	3 miles south of Thermo railroad siding, 16 miles west of Minersville, T. 30 S., R. 12 W.		90-175.....	20.....	About 16 small springs, for a half mile along low ridge; ledges of dense calcareous tufa; stock water.
53	1 mile east of Minersville, in bank of Beaver River, sec. 7, T. 30 S., R. 9 W.	Radium Warm Springs.....	97.....	57.....	3 springs; bathing, irrigation. Formerly Dotson's Spring.
<b>Washington County</b>					
54	Rio Virgin, 2 miles north of Hurricane.....	La Verkin Hot Springs.....	106-132.....	1,000.....	Several springs; resort, bathing.
<b>Garfield County</b>					
55	25 miles southwest of Panguitch, about T. 37 S., R. 7 W.		Warm.....		1 main spring; not used.
<b>Emery County</b>					
56	Labyrinth Canyon of Green River, about T. 25 S., R. 17 E.	Undine Springs.....	do.....		Many small springs; not used; tufa deposit.
<b>San Juan County</b>					
57	Warm Spring Canyon near its junction with "Narrow Canyon" or "Dark Canyon" of Colorado River.		91.....		1 main spring; not used.



## Virginia

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
	<i>Page County</i>				
1	Near Compton	Limestone Springs	61-66		3 or more springs, on different properties; local use.
	<i>Rockingham County</i>				
2	1 mile south of Bridgewater	Warm Spring	64	500	Local use.
	<i>Augusta County</i>				
3	1 mile southeast of Burkettown	Dice's Spring	65	1,500-2,000	Do.
4	Middle River Bridge, 2¼ miles west of Fort Defiance	Fitzgerald Spring	61	60	Do.
	<i>Highland County</i>				
5	2¼ miles northeast of Bolar	Bragg Spring	75	50	Do.
6	3 miles northeast of Bolar	Bolar Spring	72	1,500	Do.
	<i>Bath County</i>				
7	Warm Springs	Warm Sulphur Springs	91-96	1,200	4 springs; resort.
8	Hot Springs	Hot Springs	72-106		8 springs; 7 warm springs, 1 cool; resort.
9	Healing Springs	Healing Springs	82-88		4 springs; resort; bottled. Formerly Sweet Alum Springs.
10	Panther Gap, 1¼ miles west of Goshen	Mill Mountain Springs	60-66	900	3 springs: 60°, 50 gallons a minute; 65°, 800 gallons a minute; 66°, 50 gallons a minute; local use.
14	Rockbridge Baths	Rockbridge Baths	72		3 springs; resort. Formerly Strickler's Spring.
	<i>Alleghany County</i>				
12	Jackson River, 2 miles south of Falling Spring	Layton Springs	63, 72	200	2 springs, 1 on each bank of river; local use. Formerly Keyser's Springs.
13	8 miles southwest of Healing Springs	Falling Spring	74	7,000	Local use.
14	3 miles north of Sweet Chalybeate	Sweet Chalybeate Springs	63-68	280	3 springs; resort.
15	Near Sweet Chalybeate				4 springs; local use.
16	Mill Creek, 3¼ miles east of Gale	Lithia Spring	65	300	Local use. Formerly Wilson Thermal Spring.
	<i>Bedford County</i>				
17	Buford's Gap	Blueridge Springs	66-75		3 springs; local use. Formerly Buford's Gap Springs.
	<i>Giles County</i>				
18	Eggleston	New River White Sulphur Springs	85	3	3 springs; resort.
	<i>Pulaski County</i>				
19	Bassin, 8¼ miles north of Pulaski	Hunter's Pulaski Alum Springs	72		2 springs; resort.
	<i>Washington County</i>				
20	Near North Fork of Holston River	McHenry's Spring	68		Local use.



## Washington

Map no.	Location	Name	Temperature (° F.)	Approximate discharge (gallons a minute)	Remarks
	<i>Whatcom County</i>				
1	East side of Mount Baker, NE¼ sec. 30, T. 38 N., R. 9 E., Mount Baker National Forest.	Baker Hot Spring	108	7	Not used.
	<i>Clallam County</i>				
2	14 miles by road southwest of Crescent Lake, NW¼ sec. 32, T. 29 N., R. 9 W., Olympic National Forest.	Sol Duc Hot Springs	132	50	3 main springs in group covering 1 acre, 8 others in river bed; resort.
3	11¼ miles by trail southwest of Elwha post office, SW¼ sec. 27, T. 29 N., R. 8 W., Olympic National Forest.	Olympic Hot Springs	120-125	135	17 springs covering 5 acres; resort.
	<i>Snohomish County</i>				
4	1 mile north of Sulphur Creek Shelter, NE¼ sec. 30, T. 32 N., R. 12 E., Mount Baker National Forest.	Sulphur Creek Spring	96	4	Not used.
5	Near White Chuck River, sec. 1, T. 30 N., R. 12 E., Snoqualmie National Forest.	White Chuck Hot Springs	100-110	30	4 springs; bathing. Deposit of iron-stained tufa.
6	North Fork of Skykomish River, 5 miles east of Galena, about sec. 25, T. 28 N., R. 11 E.	San Juan Hot Springs	100	25	3 springs; not used.
	<i>King County</i>				
7	5 miles west of Scenic, sec. 28, T. 26 N., R. 13 E.	Scenic Hot Springs	122	30	Several springs; resort; sulphur water. Water piped 2 miles to hotel. Formerly Great Northern Hot Springs.
8	66 miles east of Seattle, sec. 15, T. 23 N., R. 11 E., Snoqualmie National Forest.	McDaniels Hot Springs	114-127	30	4 springs; resort.
9	Hot Springs railroad station, sec. 21, T. 20 N., R. 9 E.	Hot Springs	120-122		5 springs; resort.
	<i>Klickitat County</i>				
10	8 miles east of Ellensburg, sec. 5, T. 17 N., R. 20 E.	Clerf Spring	68	1,100	Irrigation; original flow increased fourfold by excavating.
	<i>Lewis County</i>				
11	Near south base of Mount Rainier, NE¼ sec. 4, T. 14 N., R. 10 E., Rainier National Forest.	Ohanapeocosh Hot Springs	108-120	60	5 springs; resort, sanitarium.
	<i>Yakima County</i>				
12	North Fork of Simcoe Creek, sec. 9, T. 11 N., R. 15 E., Yakima Indian Reservation.		90	40	Several springs; bathing.
13	10 miles north of Sunnyside, sec. 15, T. 11 N., R. 23 E.	Nicolai Spring	66	300	Irrigation.
	<i>Klickitat County</i>				
14	5 miles southeast of Glenwood, about sec. 16, T. 6 N., R. 13 E.		76	Large	Several springs; irrigation. Gas rises with the water.
15	8 miles west of Goldendale, sec. 12, T. 4 N., R. 14 E.	Blockhouse Mineral Springs	67	50	2 springs; resort.
	<i>Shamania County</i>				
16	Near Cascade, sec. 16, T. 2 N., R. 7 E.	Cascade Warm Springs	96	20	4 springs; resort; also called Moffet's Hot Springs.





# West Virginia

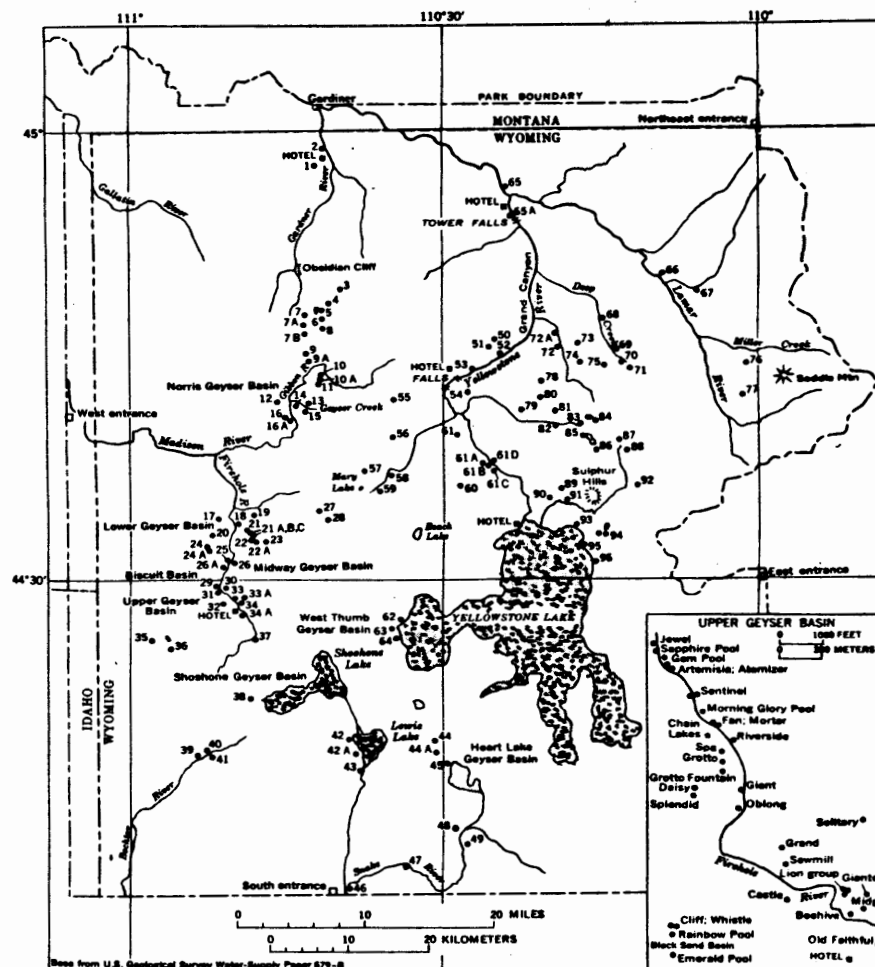


No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
1	Manaces (Irondale) Spring, at Irondale...	63.6	-----	Water marketed for table use.
2	Gills (Iron Magnetum) Spring, at Terra Alta.	64	40	Formerly the source of water supply for Terra Alta. Ref. 552.
3	Berkeley Springs, at Berkeley Springs (town)	73.5	1,000-1,200	2 springs. Source of water supply for Berkeley Springs. State Park. Ref. 552. Refs. 538, 541, 552.
4	Swan Pond Spring, 5 miles east of Martinsburg.	72	100	Do.
5	North Branch of Walker Spring, 1.5 miles south of Harpers Ferry.	62	36	Do.
6	Shannondale Springs, 5 miles southeast of Charles Town.	64	1	Former resort.
	Blue (Black) Sulphur Spring.....	64	1	Ref. 552.
7	Red Sulphur Spring.....	64	1	Ref. 552.
	Everett Fruit Farm, 5 miles southeast of Romney.	64	700	Water is slightly cloudy. Ref. 552.
8	Cold Stream Run, 1 mile west of Cold Stream (town).	64	170	4 springs. Water marketed for table use also used for bathing. Resort hotel. Ref. 552.
9	Capon (Cacapon) Springs, at Capon Springs (town).	61	100	Ref. 552.
10	Warm (Boiling) Spring, 4 miles south of Wardenville.	61	2,200	Do.
11	Big Spring, 0.5 mile southwest of Harman.	61	510	Do.
12	Trot Rock Spring, 3 miles south of Hopeville.	61	500	Do.
13	Arboretum Farm, 3 miles north of Onego.	61	850	Do.
14	Roaring Springs, 1 mile north of Onego.	66	5,500	Several springs. Ref. 552.
15	Roaring Springs, at Circleville.	71	7,700	Ref. 552.
16	Near mouth of Thoro Creek, 2 miles south of Franklin.	63	1,140	Ref. 552.
17	Big Spring, on Big Spring Fork 3 miles west of Linwood.	63	30	Ref. 552.
18	Dunmore Drinking (Reece Prichard) Spring, 0.8 mile southeast of Dunmore.	62.5	200	Ref. 552.
19	Meadow Spring, 0.5 mile east of Dunmore.	62.5	200	Ref. 552.
20	Upper Springs, at Dunmore.	65	400	Water used for bathing, also used for growing water cross. Ref. 552.
21	Mill Run Spring, 2.5 miles southwest of Frost.	65	240	Several small springs. Ref. 552.
22	Guy Run, 4 miles southwest of Frost.	63.5	230-300	Do.
23	Peter McCarthy Springs on Browns Creek, 6 miles northeast of Huntersville.	64	200	Ref. 536, 541, 552.
24	S. P. Curry (Nap's Creek) Spring, at Huntersville.	62	300	Several springs. Ref. 552.
25	Ruckman Run, 5 miles east of Huntersville.	73	500-600	Water used for bathing. Hotel. Ref. 552.
26	Minnehaha Springs, at Camp Minnehaha, 4 miles southeast of Huntersville.	66	1,630	Ref. 552.
	Piercy's Cave Spring, 2 miles northwest of Asbury.	62.5	28	Water used for medicinal drinking and bathing. Resort hotel. Ref. 552.
	White Sulphur Springs (town):	64	30	Water bottled and marketed for table use. Ref. 552.
	Black Sulphur Spring.....	62	540	Do.
	White Sulphur Spring.....	61	610	Water used for bathing. Resort. Ref. 552.
27	White Sulphur Chalybeate Spring.....	61	80	Water used for bathing. Hotel.
28	Big Spring.....	61.5	50	Water used for drinking.
	Sterett Spring.....	64	310	Several springs. Ref. 552.
29	Old Sweet Springs, at Sweet Springs (town).	73	66	Do.
30	Salt Sulphur Springs (town):			
	Salt Sulphur Spring.....			
	Iodine Spring.....			
	Right Fork of Trout Branch, 6 miles southeast of Gap Mills.			
	Upstream from Ewin Run (cold) Spring, 7 miles southeast of Gap Mills.			



# Wyoming

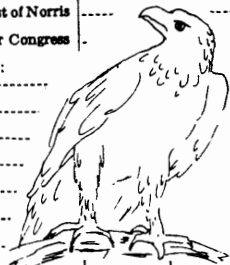
No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
1	Boiling (Hot) River, 0.8 mile north-northeast of Yellowstone Park Headquarters.	-----	10,000	Several springs, the flows combining to form stream, 6-8 ft wide, flowing into Gardiner River. Refs. 592, 625-628, 673.
2	Mammoth (White Mountain) Hot Springs, 0.5 mile southwest of Yellowstone Park Headquarters.	160 (max)	225-1,152	Several springs. Extensive deposits of travertine. Refs. 140, 557, 558, 574, 608, 617, 620, 625, 628, 634, 636, 637, 642, 645, 655, 664, 667, 679, 692, 697, 698.
3	3 miles east of Obsidian Cliff.	-----	Small	Also solitaires.
4	Northeast base of The Landmark.	-----	Small	
5	Near east-side of Lake of the Woods.	-----	Small	
6	0.5 mile southeast of Lake of the Woods.	-----	Small	
7	Amphitheater Springs, 0.8 mile west of Lake of the Woods.	135-196	-----	
7A	Clearwater Springs, 1 mile southwest of Amphitheater Springs (No. 7) and 0.5 mile northwest of Roaring Mountain.	178-196	-----	Several boiling springs and fumaroles. Ref. 552.



—Yellowstone National Park, Wyo., showing location of thermal springs, geysers, and mud pools.

## Wyoming—Continued

No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
7B	Pool in crater of Semi-Centennial Geyser, near Obsidian Creek 0.6 mile south of Clearwater Springs (No. 7A).	Hot		Erupted violently in August 1922, but ceased geyser action soon thereafter. Refs. 637, 667.
8	Whitewash Springs, 1 mile south-southeast of Lake of the Woods.	149-156	Small	2 springs. Ref. 561.
9	Bijah Spring, 0.4 mile northwest of Frypan Springs (No. 10).	184	58.5	Rises in large clear pool. Ref. 561.
9A	Frypan Springs, 2 miles northwest of Norris Junction.			Many bubbling vents on both sides of Mammoth-Norris Junction Road.
10	Congress Pool, 0.3 mile southwest of Norris Junction.			Muddy pool, sometimes boiling and sometimes quiescent.
10A	Crater of Monarch Geyser, near Congress Pool (No. 10).			Formerly erupted to height of 100-200 ft. Ceased activity in 1913. Ref. 637.
11	Geyers in Norris Geyser Basin: Ebony Geyser..... Echinus Geyser..... Emerald Spring..... Fan Geyser..... Ledge Geyser..... Mud Geyser..... Steamboat Geyser..... Valentine Geyser..... 100 ft northwest of Valentine Geyser..... Vixen Geyser..... Whirligig Geyser.....			Erupts to height of 25-50 ft at intervals of 8-48 hr. Ref. 637. Erupts to height of 75-100 ft at intervals of 1-1.5 hr. Ref. 637. Erupts occasionally to height of 20-30 ft. Ref. 637. Erupts to maximum height of 25 ft at intervals of 7-19 hr. Ref. 637, 647. Erupts to height of 60-75 ft several times a day. Ref. 637. Erupts to height of 8-60 ft at intervals of 20 min. Ref. 637. Erupts to height of 25-30 ft at intervals of 2-5 min. Ref. 637. Erupts to height of 60-75 ft at intervals of 18-72 hr. Ref. 637. Erupts to height of 20-35 ft several times an hr. Ref. 637. Erupts to height of 18-30 ft several times a day. Refs. 556, 637. Erupts to height of 8-15 ft once or twice a day. Refs. 576, 637.
12	Sylvan Springs, in Gibbon Meadows 3.5 miles southwest of Norris Junction.	190 (max)	Small	Several springs and fumaroles; also large shallow pool. Ref. 561.
13	Gibbon Hill Geyser, near east side of Gibbon Meadows at foot of southwest side of Gibbon Hill.	188-198		Erupts to height of 15-25 ft several times a day. Ref. 637.
14	Artists Paintpots, at foot of northwest side of Paintpot Hill.	178-199	149	Pools of bubbling mud; also fumaroles. Ref. 576.
15	Geyser Springs, at foot of east side of Paintpot Hill.			Several springs including an unnamed geyser that erupts to height of 25 ft at intervals of 6 min. Ref. 637.
16	Monument Geyser in Monument Geyser Basin 1 mile west-southwest of Paintpot Hill.	197	5,400	Erupts to height of 4-9 ft almost constantly. Also several springs issuing from small cones. Barren area 240 yd long and 50 yd wide.
16A	Beryl Spring, 1.5 miles north of Gibbon Falls.	197	54	Pool 20 ft in diameter. Water in constant ebullition. Ref. 576.
17	Queen's Laundry (Red Terrace) Spring, 1.5 miles southwest of Fountain Ranger Station.	160		Large pool. Terraces of sinter. Ref. 561.
18	River Group Springs, on both sides of Firehole River 1.5 miles south of Fountain Ranger Station.	119-203		Numerous springs including 6 that are superheated and 3 small geysers. Ref. 561.
19	Morning Mist Springs, near Nez Perce Creek 1.2 miles east-southeast of Fountain Ranger Station.	201 (max)	Small	Numerous springs.
20	Fairy Springs, 2.7 miles south-southwest of Fountain Ranger Station.	184-202		4 groups of springs. Includes Boulder Springs, the water of which is in constant ebullition. Ref. 561.
21	Fountain Paintpot.....			Large cauldron of white, pink, and pale orange clay. Ref. 557.
21A	Clepsydra Geyser.....			Erupts to height of 5-25 ft at intervals of 3 min. Refs. 576, 637.
21B	Fountain Geyser, 2.2 miles southeast of Fountain Ranger Station.			Erupts to height of 50-75 ft at intervals of 6-12 hr. Refs. 557, 576, 637, 665.
21C	Morning Geyser, near Fountain Geyser (No. 21B).			Erupts to height of 50-60 ft at intervals of 2-3 days. Refs. 576, 637.
22	Great Fountain Geyser, 1 mile south-southeast of Fountain Geyser (No. 21B).	204	22	Erupts to maximum height of 90 ft at intervals of 8-15 hr. Large deposit of sinter. Refs. 557, 637.
22A	Pink Cone Geyser.....			Erupts to height of 12-17 ft once a day. Sinter cone is 18 in. high and 5 feet in diameter. Ref. 637.
23	White Dome Geyser, 0.8 mile south of Fountain Geyser (No. 21B).			Erupts to height of 18-30 ft at intervals of 20-30 min. Ref. 637.
24	Spray Geyser, at base of south end of Twin Buttes 4 miles southwest of Fountain Ranger Station.		72	Erupts to height of 5-20 ft at intervals of 2-31 min. Ref. 637.
24A	Pool in crater of Imperial Geyser, 0.2 mile west of Spray Geyser.		690	Began erupting in 1923 to height of 100-125 ft; ceased erupting in 1929. Ref. 637.
25	Prismatic Lake in crater of Ereolator Geyser, about midway between Upper Basin Ranger Station and Fountain Ranger Station.	146	2,700	Formerly the largest geyser in Yellowstone Park but dormant since 1888. Lake is 370 ft long and water is blue-green. Much steam. Turquoise and Opal Pools nearby; also several hot springs. Refs. 557, 576, 587, 611, 617, 637.
26	Flood Geyser, 0.5 mile southeast of Prismatic Lake (No. 25).	201	18	Erupts to height of several ft at irregular intervals. Ref. 637.
26A	Rabbit Creek area, 1 mile east-southeast of Prismatic Lake (No. 25).	201 (max)		Several springs and large pool of blue water; also paintpots and fumaroles. Ref. 637.
27	Tributary of Juniper Creek, 6.5 miles east of Fountain Ranger Station.			



## Wyoming—Continued

No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
28	Juniper Creek Springs, 1.1 miles southeast of No. 27.			
29	Biscuit Basin, 2.2 miles northwest of Old Faithful Inn.	190		Erupts to height of 12-22 ft at intervals of 5-10 min. Ref. 637.
	Jewel Geyser.....	201		Erupts to height of 4-12 ft at intervals of 10-20 min. Water is exceptionally clear. Ref. 637.
	Sapphire Pool (Soda Geyser).....			
30	1.7 miles northwest of Old Faithful Inn, on northeast side of Firehole River: Gem Pool..... Artemisia Geyser..... Atomizer Geyser.....			Water is clear and quiescent. Erupts to height of 15-35 ft at intervals of 24-30 hr. Ref. 637. Erupts to height of 20-40 ft once a day. Ref. 637.
30A	1.2 miles northwest of Old Faithful Inn, on northeast side of Firehole River: Sentinel Geysers..... Morning Glory Pool..... Fan Geyser..... Mortar Geyser..... Riverside Geyser.....	201 171 198 198		2 geysers. Erupt to maximum height of 20 ft at intervals of 2-3 days. Ref. 637. Refs. 576, 677. Erupts to height of 6-100 ft two or three times a year. Refs. 637, 612. Erupts to maximum height of 30 ft two or three times a year. Ref. 637. Erupts obliquely to height of 80-100 ft at intervals of 6-8 hr. Refs. 637, 665.
31	1 mile northwest of Old Faithful Inn, on southwest side of Firehole River: Chain Lakes (Bottomless Pit) Geyser..... Spa Geyser..... Grotto Geyser..... Grotto Fountain..... Daisy Geyser..... Splendid Geyser..... Giant Geyser..... Oblong Geyser.....			Erupts to height of 35-75 ft at intervals of 2-3 weeks. Refs. 566, 637. Erupts rarely to maximum height of 80 ft. Ref. 637. Erupts to height of 20-30 ft at intervals of 2-8 hr. Refs. 576, 644, 647, 651, 655, 660, 661, 677, 689. Erupts to maximum height of 65 ft at intervals of 6-12 hr. Ref. 637. Erupts obliquely to maximum height of 75 ft at intervals of 1.5-3 hr. Ref. 637. Erupts rarely to height of 125-150 ft. Ref. 637. Erupts to height of 150-180 ft at intervals of 6-16 days; sometimes inactive for long periods. Refs. 574, 579, 637, 648, 649, 652, 655, 665, 672, 679, 689. Erupts to height of 20-40 ft at intervals of 5-8 hr. Ref. 637.
32	0.5 mile north-northwest of Old Faithful Inn, on northeast side of Firehole River: Grand Geyser..... Turban Geyser..... Sawmill Geyser.....			Erupts to height of 180-300 ft at intervals of 8-80 hr. Refs. 579, 637, 652, 663, 672. Erupts to maximum height of 25 ft simultaneously with nearby Grand Geyser. Refs. 645, 663. Erupts to height of 17-32 ft at intervals of 3 hr. Refs. 637, 652.
32A	0.3 mile north of Old Faithful Inn, on northeast side of Firehole River: Lion (Niobe) Geyser..... Lioness Geyser..... Big Cub Geyser..... Little Cub Geyser..... Giantess Geyser..... Midget Geyser..... Beehive Geyser.....	201 208 201 202		Erupts to height of 50-60 ft several times a day. Refs. 576, 637. Erupts rarely to maximum height of 80 ft; sometimes inactive for long periods. Refs. 637, 645. Erupts rarely to maximum height of 30 ft; sometimes inactive for long periods. Refs. 637, 645. Ref. 645. Erupts rarely to height of 150-200 ft; sometimes inactive for long periods. Refs. 579, 626, 637, 647, 654, 665, 672, 679, 689. Erupts rarely to maximum height of 30 ft. Ref. 637. Erupts to height of 200-220 ft two or more times a week. Refs. 579, 637, 645, 647, 649, 652, 661, 664, 672, 689. Erupts to maximum height of 25 ft at intervals of 2-6 min. Ref. 637.
32B	Solitary Geyser, 0.6 mile north of Old Faithful Inn.	200		
33	Black Sand Basin, 0.8 mile west of Old Faithful Inn: Cliff Geyser..... Whistle Geyser..... Rainbow Pool..... Sunset Lake..... Emerald Pool.....	190 149 151 169 158		Erupts to height of 40-50 ft once a day. Ref. 637. Erupts infrequently to maximum height of 40 ft. Ref. 637. Erupts to maximum height of 40 ft at irregular intervals; sometimes inactive for long periods. Ref. 637. Pool 45 yd in diameter.
33A	Castle Geyser, 0.4 mile northwest of Old Faithful Inn.			Erupts to height of 65-100 ft at intervals of 12-16 hr. Large deposit of sinter. Refs. 637, 617, 637, 644, 647, 648, 652, 655, 661, 665, 689.
34	Old Faithful Geyser, near Old Faithful Inn.			Erupts to height of 116-171 ft at intervals of 65 min. Large mound of gray sinter.

## Wyoming--Continued

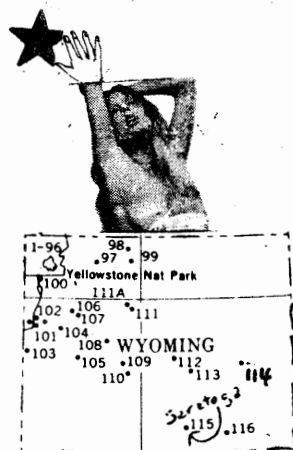
No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
34A	Pipeline Creek Springs, 0.5 mile south-east of Old Faithful Inn.			15 shallow, muddy springs. Deposit of sulfur. Ref. 561.
35	1 mile west of Summit Lake and 7 miles west-southwest of Old Faithful Inn.			
36	0.5 mile south-southeast of Summit Lake.			
37	Lone Star Geyser, 2.7 miles south-southeast of Old Faithful Inn.			Erupts to maximum height of 25 ft at intervals of 20-30 min. Cone of geyserite 12 ft high. Refs. 567, 637.
38	Shoshone Geyser Basin, 7.5 miles south-southeast of Old Faithful Inn:			
	Bead Geyser.....			Erupts to height of 10-20 ft. Abundant "geyser eggs." Ref. 637.
	Lion Geyser.....			Erupts to height of 10-12 ft. Ref. 637.
	Little Giant Geyser.....			Erupts to height of 10-50 ft twice a day. Ref. 637.
	Minute Man Geyser.....			Erupts to maximum height of 20 ft at intervals of 1-3 min. Ref. 637.
	Union Geyser.....			3 cones erupting simultaneously several times a week. Maximum height of eruption is 66 ft for northern cone, 114 ft for center cone, and 3 ft for southern cone. Ref. 637.
39	Bechter River Springs, 12.5 miles south-southwest of Old Faithful Inn.			
40	Three River Junction Springs, near confluence of Phillips, Littles, and Ferris Forks of Bechter River.			
41	Tendoy Falls Springs, on Ferris Fork of the Bechter River.			
42	Near northwest shore of Lewis Lake.....	Hot		large pools. Ref. 561.
42A	0.5 mile west of west shore of Lewis Lake.....	190-198	Small	several springs. Ref. 561.
43	Near south outlet of Lewis Lake.....	154 (max)	Small	Do.
44	Deluge Geyser, near Witch Creek in Heart Lake Geyser Basin.			Erupts to height of 10-15 ft. Ref. 637.
44A	Spike Geyser, near Witch Creek in Heart Lake Geyser Basin.			Erupts almost continuously. Ref. 637.
45	Rustic Geyser, 0.25 mile west of north end of Heart Lake.	201		Erupts to maximum height of 30 ft at intervals of 26-90 min. Ref. 637.
46	Near confluence of Snake and Lewis Rivers, 0.5 mile north-northeast of South Entrance to Yellowstone National Park.	158 (max)		
47	Snake Hot Springs, near the Snake River 5 miles upstream from confluence with Lewis River.	120-163		Several groups of springs. Terraces of travertine. Refs. 561, 621.
48	Near mouth of Basin Creek, 3 miles south of Heart Lake.			
49	Near Snake Hot Basin Creek.			
50	Washburn Hot Springs, 1.8 miles south-east of Dunraven Pass Ranger Station.	178-198		Several springs, including Inkpot Spring, and fumaroles in marshy area. Water from Inkpot Spring is black. Deposits of iron sulfide. Ref. 561.
51	Sulphur Creek Springs, 1.3 miles upstream from mouth of Sulphur Creek and 2 miles south-southeast of Dunraven Pass Ranger Station.			
52	Near mouth of Sulphur Creek, 3 miles south-southeast of Dunraven Pass Ranger Station.			
53	0.5 mile northeast of Inspiration Point, on both sides of Yellowstone River.			
54	Forest Springs, 1.2 miles east-southeast of Canyon Lodge at the Yellowstone River Falls.			2 large mudpots and several small springs. Ref. 561.
55	0.5 mile south of Norris-Canyon Road and 4 miles west-southwest of Canyon Ranger Station.			
56	Violet Springs, on tributary of Alum Creek 6 miles southwest of Canyon Ranger Station.	Hot	740	Deposit of sulfur.
57	Highland Hot Springs, on tributary of Alum Creek 3.5 miles southwest of Violet Springs (No. 56) and 1.1 miles north-northeast of Mary Lake.			
58	Alum Creek Springs, 2 miles east of Highland Hot Springs (No. 57).	194 (max)	Large	Ref. 561.
59	1 mile southeast of Highland Hot Springs (No. 57) and 1 mile northeast of Mary Lake.			2 springs, one rising in shallow basin and the other a small geyser. Ref. 561.
60	Elk Antler Creek Springs.			
61	Sulphur Spring (Crater Hills Geyser), 1 mile west of Yellowstone River and 4 miles south of Canyon Ranger Station.	194	Small	Pool 20 ft in diameter; erupts to height of 5-6 ft at short intervals. Deposit of sulfur. Refs. 561, 576.
61A	Crater Hills Mudpots, on Lake-Canyon Road near mouth of Elk Antler Creek.			8 small mud pools. Ref. 561.
61B	Dragon's Mouth Spring, on Lake-Canyon Road 6 miles (by road) northwest of Fishing Bridge.	160		Pulsating pool of clear water. Ref. 561.
61C	Mud Volcano, near Dragon's Mouth Spring (No. 61B).	185 (max)		Pool 30 ft in diameter. Ref. 561.
	Mud Geyser.....			Erupts to maximum height of 12 ft every few sec. Ref. 561.

## Wyoming--Continued

No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
61D	Sulphur Caldron, on northeast side of Yellowstone River nearly opposite Dragon's Mouth Spring (No. 61B).			Pool. Water contains much sulfur in suspension. Ref. 637.
62	Near west shore of West Thumb of Yellowstone Lake, 2 miles north of Thumb Ranger Station.			
63	Near west shore of West Thumb of Yellowstone Lake, 1.5 miles north-northwest of Thumb Ranger Station.	200		
64	Near Thumb Ranger Station, on west shore of West Thumb of Yellowstone Lake:			
	Thumb Paintpots.....	200 (max)		Pools of pink and white mud. Also several small geysers. Refs. 561, 576, 637.
	King Geyser.....			Spouts to maximum height of 6 ft at irregular intervals. Refs. 561, 637.
	Lakeshore Geyser.....			Erupts to height of 15-25 ft at intervals of 35 min when lake level is low and at intervals of 2-4 days when submerged by lake water. Refs. 561, 637.
	Occasional Geyser.....			Erupts to height of 25-60 ft at irregular intervals. Refs. 561, 637.
	Twin Geysers.....			2 geysers erupting to height of 100-125 ft at intervals of 4-8 hr. Refs. 561, 637.
	Fishing Cone Spring, offshore from Thumb Paintpots.			
65	Near Yellowstone River, 1 mile downstream from mouth of Lamar River.			
65A	Calcite Springs, in canyon of Yellowstone River 1 mile downstream from mouth of Tower Creek.	136-01		Issue near veins of calcite and gypsum. Also fumaroles. Deposit of sulfur. Ref. 561.
66	Near Lamar River, 1 mile north-northwest of mouth of Cache Creek.			
67	Wahb Springs, in Death Gulch 2.2 miles upstream from mouth of Cache Creek.			Much Co. Ref. 637.
68	Near Deep Creek, 0.4 mile upstream from mouth of Shallow Creek.	Hot	100	Several springs. Ref. 561.
69	Near Deep Creek, 3 miles upstream from mouth of Shallow Creek.			Do.
70	Near Deep Creek, 4 miles upstream from mouth of Shallow Creek.			Do.
71	Near Deep Creek, 5 miles upstream from mouth of Shallow Creek.			Do.
72	Whistler Geyser, near west bank of Broad Creek 3 miles upstream from its mouth.	198		Erupts frequently. Ref. 637.
	Joseph's Coat Springs.	Hot		Several springs. Scordite deposited as coating on siliceous sinter. Refs. 609, 611, 620, 637, 702.
73	Near head of tributary to Broad Creek, 1.5 miles east of Whistler Geyser and Joseph's Coat Springs (No. 72).			
74	Near head of tributary to Broad Creek, 2 miles southeast of Whistler Geyser and Joseph's Coat Springs (No. 72).			
75	Hot Springs Basin, 1.5 miles north of Wapiti Lake.			
76	Near tributary of Miller Creek, 2.7 miles northwest of Saddle Mountain.			
77	Near tributary of Lamar River, 2.6 miles west-southwest of Saddle Mountain.			
78	Near head of Moss Creek, 3 miles south-southwest of Whistler Geyser and Joseph's Coat Springs (No. 72).			
79	Bog Creek Springs, near head of Bog Creek, a tributary of Sour Creek.			
80	Head of unnamed tributary of Sour Creek, 1.5 miles northeast of Bog Creek Springs (No. 79).			
81	Along unnamed tributary of Sour Creek, 2 miles east of Bog Creek Springs (No. 79).			
82	Sour Creek Springs, 2.3 miles west of Fern Lake.			
83	Ponutpa Springs, 0.6 mile southwest of Fern Lake.	113-180		
84	Near east end of Fern Lake.....			
85	Near northwest end of White Lake.....	Warm	Small	
86	Near southeast end of White Lake.....	Warm	Small	
87	The Mudkettles, near Pelican Creek 1.5 miles east of southeast end of White Lake.			
88	The Mushpots, 1 mile southeast of the Mudkettles (No. 87).			
89	Near west end of Sulphur Hills, 1.8 miles south of Stonetop Mountain.	196		
90	Ebro Springs, 2.5 miles south-southwest of Stonetop Mountain.			
91	Vermilion Springs, near Pelican Creek, 2.3 miles south of Stonetop Mountain.			
92	Pelican Springs, at confluence of Pelican and Raven Creeks.			
93	Beach Springs, on shore of Mary Bay of Yellowstone Lake.			
94	Turbid Springs, near south end of Turbid Lake.	Hot	Small	Deposit of sulfur. Also boiling mud pots 0.5 mile west. Ref. 561.
95	Steamboat Springs, on northeast shore of Yellowstone Lake at Steamboat Point.	180-198		Also powerful steam vents. Ref. 576.
96	Butte Springs, on northeast shore of Yellowstone Lake.	190 (max)	10	Several deep pools of clear water.



No. on figure	Name or location	Temperature of water (°F)	Flow (gallons per minute)	Remarks and additional references
Wyoming—Continued				
97	DeMaris (Cody) Hot Springs, 4 miles southwest of Cody.	78-100		Several springs. Deposit of sulfur. Resort and sanitarium. Refs. 144, 592, 594, 597, 703.
98	T. 55 N., R. 94 W., in Sheep Canyon of the Bighorn River near mouth of Five Springs Creek.	Warm		Several springs. Water used locally. Ref. 597.
99	T. 53 N., R. 94 W., near upper end of Black Canyon of the Bighorn River.	Warm	Small	Ref. 597.
100	Sec. 8, T. 48 N., R. 115 W., near the Snake River 2 miles south of boundary of Yellowstone National Park.	Hot	100	Refs. 144, 373, 564.
101	T. 39 N., R. 116 W., near the Snake River 4 miles downstream from mouth of Hoback River.	94	100	Several springs. Water smells of sulfur. Used for bathing and irrigation.
102	Granite Hot Springs, in sec. 6, T. 39 N., R. 113 W.	110	360	2 springs.
103	Near west bank of Salt River, 2.5 miles north of Auburn.	68-140	38	Many springs. Water is salty. Deposit of tufa. Ref. 144.
104	Sec. 2, T. 38 N., R. 110 W., on the Green River near Wells.	Warm	Large	6 springs.
105	T. 32 N., R. 107 W., near Fremont Butte.	Hot	Small	Water used for bathing. Ref. 514.
106	Near Warm Spring Creek 4 miles northwest of Dubois.	84 (max)		Several springs. Deposit of tufa. Refs. 144, 442.
107	Near mouth of Little Warm Spring Creek, 3 miles southwest of Dubois.	68		Do.
108	Fort Washakie Hot Springs, in sec. 2, T. 18, R. 1 W., 24 miles west of Riverton.	110	2,000	Several springs rising in deep pools. Resort. Refs. 126, 144, 592, 594, 646.
109	T. 30 N., R. 97 W., 4 miles southwest of Halley.	100-120	100	Several springs. Water smells of H <sub>2</sub> S. Used for irrigation. Refs. 144, 564, 594, 623.
110	T. 29 N., R. 96 W., near Sweetwater River 12 miles southwest of Myersville.	Warm		Several springs. Water used locally. Ref. 623.
111	Big Horn (Thermopolis) Hot Springs, on the Bighorn River at Thermopolis.	135	>12,600	1 large spring and several small springs. Large deposit of tufa. Resort. Refs. 126, 144, 148, 564, 577, 586, 592, 638, 646, 704.
111A	3.5 miles northwest of Thermopolis, near sulfur deposits.	Hot	Small	Deposits of tufa and sulfur. Flow formerly much greater. Ref. 704.
112	Sec. 35, T. 32 N., R. 86 W., on Horse Creek near Independence.	Warm	Large	Several springs. Water used locally. Refs. 144, 623.
113	Alcoova Hot Springs, in T. 30 N., R. 83 W., in Fremont Canyon of the North Platte River.	139	75	Several springs. Resort. Refs. 144, 623.
114	T. 31 N., R. 71 W., near the North Platte River 9 miles south of Douglas.	Warm		Water used for bathing and irrigation. Ref. 564.
115	Saratoga Hot Springs, in T. 17 N., R. 84 W.	120	10	6 springs. Resort. Ref. 144.
116	10 miles northwest of Laramie.	74		Refs. 124, 144.



HAVE  
A  
BALL