CALIFORNIA

1. Keller Soda Spring
Siskiyou
Sec. 34, T. 48 N., R. 9 W.
Active
18°F
< 0.5 L/s
-
Spring rises from travertine deposit 9-10 m in diameter. (Waring, 1915)

2. -
Siskiyou
Sec. 19, T. 47 N., R. 5 W.
Active
22°-24°C
< 0.5 L/s
Volcanic
Several springs discharge from travertine pools that overlie larger deposit. Travertine mound 300 m northeast is 30 m in diameter and 3 m high. (Waring, 1915)

3. Martin Soda Spring
Siskiyou
Sec. 30, T. 45 N., R. 4 W.
Inactive
18°C
< 0.5 L/s
Volcanic
About 70 m from spring a cone of travertine rises from a larger tabular mass. Nearby, a cold spring discharges about 170 L/s from beneath a bank of travertine and fragments of volcanic rock. (Waring, 1915)

4. Table Rock Spring
Siskiyou
Sec. 30, T. 45 N., R. 4 W.
Active
18°C
0.5 L/s
-
Spring issues from low mound of travertine 90 m in diameter. (Waring, 1915)

5. -
Modoc
Sec. 1, T. 42 N., R. 16 E.
Inactive
68°-98°C
32 L/s
Alluvium
Travertine aprons are above present springs; Hg minerals are depositing below. (Rush and Dickson, 1969)

6. Shasta Springs
Siskiyou
Sec. 7, T. 39 N., R. 3 W.
Unknown
-
-
Alluvium
Deposits of iron-stained travertine are on east and west banks of Sacramento River. (Waring, 1915)

7. Castle Crag Spring
Shasta
Sec. 12, T. 38 N., R. 4 W.
Unknown
"Cold"
< 0.5 L/s
Some travertine was observed. (D. E. White, 1957, written commun.)

8. Altoona Spring
Trinity
Sec. 19, T. 38 N., R. 5 W.
Active
13°C
<0.5 L/s
-
Minor travertine deposits are present. (E. H. Bailey, 1956, written commun.)

9. -
Trinity
T. 36 N., Rs. 8-9 W.
Active
-
-
Ultramafic
Streambed travertine occurs along several miles of Swift Creek. (Arnold and Anderson, 1908)

10. -
Trinity
T. 35 N., R. 9 W.
Active
-
-
Ultramafic gravel
Streambed travertine lines several miles of bed of Stuart Creek. (Arnold and Anderson, 1908)

11. Drakes Hot Springs
Plumas
Sec. 22, T. 30 N., R. 5 E.
Unknown
31°-64°C
-
Volcanic; alluvium
Travertine occurs at several places on bank above Hot Springs Creek. (Waring, 1915)

12. Shafter (Wendel) Hot Springs
Lassen
Sec. 33, T. 29 N., R. 15 E.
Active
24°-96°C
(See remarks)
Lakebeds
Travertine crags 50 ft. high occur. Russell (1885) reported discharge as 2,840 L/s. Stearns and others (1937) reported 16 L/s. In October 1957 one of us (J.H.F.) measured temperature at 96°C and estimated discharge to be 2 L/s. Discharge appears to have diminished with time.

13. Amedee Hot Springs
Lassen
Sec. 8, T. 28 N., R. 16 E.
Active
85°C
9.5 L/s
Lakebeds
Water deposits limited amounts of travertine. (Russell, 1896)

14. High Rock Spring
Lassen
T. 28 N., R. 17 E.(?)
Unknown
38°C
33 L/s
Basalt
Large travertine crags occur. (Russell, 1885) Waring (1915) said travertine covers 0.8-1.0 ha and water temperature was 30°C.

15. Arlington Springs
Plumas
Sec. 25, T. 26 N., R. 9 E.
Active
15°F
< 0.5 L/s
-
Considerable travertine was deposited. It is iron stained and micaceous. (Waring, 1915)

16. V. and M. Quarry
Plumas
Sec. 19, T. 25 N., R. 9 E.
Inactive
17°-20°C
< 0.5 L/s
Limestone and metavolcanic
Travertine deposit 225 m in diameter and 30 m high has been extensively quarried. (R. H. Mariner, 1977, oral commun.; Waring, 1915)

17. -
Plumas
Sec. 15, T. 25N., R. 9 E.
Active
17°-20°C
< 0.5 L/s
-
Travertine covers slope about 120 m long below springs and forms bluff 180 m long beside Spanish Creek. (Waring, 1915)

18. Kissner Soda Spring
Mendocino
Sec. 31, T. 19 N., R. 12 W.
Active
86°C
< 0.5 L/s
Sandstone
Water is forming a streambed travertine. (Waring, 1915)

19. Baker Mineral Springs
Mendocino
Sec. 15, T. 18 N., R. 12 W.
Active
18°-19°C
<0.5 L/s
Sedimentary
Water from 5 springs deposits "considerable" travertine. (Waring, 1915)

20. -
Glenn
Sec. 15, T. 18 N., R. 6 W.
Active
-
-
-
Spring issues from large deposit of iron-stained travertine. (Berkstresser, 1968)

21. Fouts Springs
Colusa
Sec. 5, T. 17 N., R. 7 W.
Active
24°C
0.5 L/s
Serpentine
Below New Life Spring is a terrace of gravel cemented by travertine. (Waring, 1915)

22. -
Placer
Sec. 28, T. 16 N., R. 13 E.
Active
-
-
-
Large deposits of travertine and small seepages of water occur 3 km west of Summit Soda Springs. (Waring, 1915)

23. -
Placer
Sec. 21, T. 16 N., R. 13 E.
Inactive
-
-
-
Travertine deposits occur "north of the railroad on the wagon road to Truckee. (Waring, 1915)

24. Vichy Springs
Mendocino
Sec. 15, T. 15 N., R. 12 W.
Active
31°C
1 L/s
Sedimentary
One spring rises in natural grotto of travertine. Others are forming streambed travertine. (Waring, 1915)

25. Saratoga Springs
Lake
Sec. 4, T. 15 N., R. 10 W.
Active
18°-19°C
<0.5 L/s
Sedimentary
One spring (of 4 or more) deposits iron-stained travertine. (Waring, 1915)

26. Hough Springs
Lake
Sec. 10, T. 15 N., R. 7 W.
Inactive
16°-19°C
<0.5 L/s
Sedimentary
Springs have built travertine mound much of which is probably Pleistocene in age. (Hunt and Mabey, 1966; Fistrang and Kunkel, 1964)

27. -
Placer
Sec. 9, T. 15 N., R. 10 E.
Unknown
-
-
-
Travertine was reported at Gold Run without comment. (Merrill, 1895)

28. Deadhot Springs
Colusa
Sec. 6, T. 14 N., R. 5 W.
Active
18°C
< 0.5 L/s
Serpentine
Travertine cements fragments of serpentine to form terrace 6 m high and 15 m long. (Waring, 1915)

29. -
Lake
T. 14 N., R. 7 or 8 W.
Inactive
-
-
-
There is a large travertine deposit "on the mountainside about 4 km northward from Dinsmore's . . ." (Waring, 1915)

30. Chalk Mountain
Lake
Sec. 12, T. 14 N., R. 7 W.
Active
19°-21°C
< 0.5 L/s
Volcanic
Travertine extends 90 m along face of mountain and 22 m downslope. (Waring, 1915)

31. Oil Spring
Colusa
Sec. 8, T. 14 N., R. 5 W.
Active
34°C
< 0.5 L/s
Sedimentary
Travertine extends about 0.4 km along hillside. Spring water is salty and has petroleum taste. (Waring, 1915)

32. -
Colusa
Sec. 13, T. 14 N., R. 6 W.
Inactive
60°C
0.6 L/s
Serpentine; sedimentary
Travertine encloses fragments of shale at Elgin Mine; 1 km up canyon is ledge of onyx marble. (Waring, 1915)

33. "Bear Creek Iocalities"
Colusa
Tps. 13-14 N., Rs. 4-5 W.
Active
-
-
Marine shale
Streambed travertine occurs. (Barnes and O'Neil, 1971)

34. Sulphur Bank
Lake
Sec. 5, T. 13 N., R. 7 W.
Inactive
-
-
Lakebeds
Travertine cements clastic grains where carbonated water formerly discharged on the shore of Clear Lake. (White and Roberson, 1962)

35. Grizzly (Richardson) Springs
Lake
Sec. 9, T. 13 N., R. 6 W.
Active
20°-21°C
1.6 L/s
Sedimentary; serpentine
Travertine extends downhill from springs to creek. Inactive deposits are nearby. (Waring, 1915)

36. Glen Alpine Springs
Lake
T. 13 N., R. 10 W.
Ingtive
19°C
< 0.5 L/s
Sedimentary
Two small springs beside Scott Creek deposited hard travertine. (Waring, 1915)

37. Highland Springs
Lake
Sec. 31, T. 13 N., R. 9 W.
Ingtive
15°-28°C
<0.5-0.6 L/s
Sedimentary
Deposition of travertine is minimal, but nearby travertine 1-2 m thick occurs over area 50 m. (Waring, 1915)

38. Baker Soda Spring
Lake
Sec. 16, T. 13 N., R. 6 W.
Active
-
-
Spring issues from tall travertine terrace. (Berkstresser, 1968)

39. Wentworth Spring
Eldorado
Sec. 31, T. 13 N., R. 15 E.
Active
-
< 0.5 L/s
Metamorphic and granitic
Spring is depositing travertine. (R. H. Mariner, 1977, oral commun.)

40. Grovers Hot Spring
Alpine
Sec. 24, T. 10 N., R. 19 E.
Active
53°-65°C
6.3 L/s
Granitic
Springs discharge across travertine terrace. (Waring, 1915)

41. "Cazadero A"
Sonoma
Sec. 13, T. 9 N., R. 12 W.
Active
-
-
Ultramafic
Streambed travertine occurs. (Barnes and O'Neil, 1971)

42. Phillips Soda Spring
Napa
Sec. 26, T. 8 N., R. 4 W. (proj.)
Active
20°-24°C
0.6 L/s
Serpentine; shale
Large deposit of travertine (mostly $MgCO_3$) occurs 30 m above floor of small valley. Springs emerge at contact of serpentine over shale. (Waring, 1915)

43. -
Solano
T. 6 N., Rs. 1-2 W.
Inactive
-
-
Sedimentary
Patches of travertine lean than 15 m thick lie on slopes of Vaca Mountains. (Weaver, 1949)

44. Fales Hot Springs
Mono
Sec. 18, T. 6 N., R. 24 E.
Ingtive
34°-41°F
19 L/s
Volcanic
Present springs are about 40 m lower than three travertine basins rimmed by deposits 15-45 m thick; largest is 30 m across. (Waring, 1915)

45. Tolenas Springs
Solano
Sec. 3, T. 5 N., R. 2 W.
Unknown
17°C
< 0.5 L/s
Sedimentary
Travertine covers area 92 m in diameter, east of and 15 m above present spring. (Waring, 1915)

46. Bridgeport Hot Springs
Mono
Sec. 34, T. 5 N., R. 25 E.
Active
65°C
< 0.5 L/s
Volcanic
Travertine covers several hectares and forms digitate ridges 1-5 m high. Deposit was quarried at times. (Waring, 1915)

47. Buckeye Hot Spring
Mono
Sec. 4, T. 4 N., R. 24 E.
Active
60°C
1.6 L/s
Granitic
Water flows over domelike mass of travertine. (Waring, 1915)

48. Bridgeport Warm Springs
Mono
Sec. 10, T. 4 N., R. 25 E.
Active
21°-41°C
1.6 L/s
Volcanic
Twenty pools are on travertine terrace about 100 m long. Extinct spring mounds are nearby. (Waring, 1915)

49. -
Solano
Sec. 36, T. 5 N., R. 2 W. (proj.)
Inactive
-
-
-
Ominous travertine crops out on hillside near Suisun City. (Merrill, 1895)

50. Casa Diablo Hot Pool
Mono
Sec. 11, T. 3 S., R. 28 E.
Unknown
83°C
0 when visited
Lakebeds; volcanic
Overflow channel and area about 45 m in diameter are covered by hard deposits "apparently of silica and lime carbonate." (Waring, 1915)

51. -
Mono
Tps. 1-2 N., R. 26 E.
Active
32°-82°C
0.6 L/s
Marble
Many towers and mushroom-shaped masses of travertine are along west and north shores of Mono Lake. Subaqueous masses surround active springs. (Dunn, 1953)

52. Soda Spring
Tuolumne
Sec. 5, T. 1 S., R. 24 E.
Active
8°C
< 0.5 L/s
Granitic
Springs emerge from low mound of iron-stained travertine. (Waring, 1915)

53. -
Madera
Sec. 36, T. 3 S., R. 26 E. (proj.)
Unknown
12°C
< 0.5 L/s
-
Travertine forms a low mound in Agnew Meadows. (Waring, 1915)

54. Hot Creek
Mono
Sec. 35, T. 3 S., R. 28 E.
Unknown
85°C
9 L/s
Volcanic
Big northwest pool on Hot Creek is in travertine and sinter. (D. E. White, 1957, written commun.)

55. -
Mono
Sec. 32, T. 3 S., R. 29 E.
Active
-
-
Tuffaceous sandstone
Travertine is being deposited at a hot spring. (Rinehart and Ross, 1964)

CALIFORNIA – Continued

56. -
Madera
Sec. 8, T. 4 S., R. 25 E. (proj.)
Active
-
-
Metavolcanic
Travertine deposit 10 m long cascades from spring to edge of N. Fork San Joaquin River. (R. K. Huber and R. J. Janda, 1977, oral commun.)

57. Reds Meadows Hot Springs
Madera
Sec. 16, T. 4 S., R. 26 E. (proj.)
Active
49°C
0.6 L/s
Granitic
Springs have formed small deposit of travertine. (Waring, 1915)

58. -
Fresno
T. 4 S., R. 27 E.
Ingtive
12°C
< 0.5 L/s
Granitic
Travertine mound 10 m in diameter marks site of extinct spring in Fish Valley. (Waring, 1915)

59. -
Madera
Sec. 6, T. 5 S., R. 26 E. (proj.)
Unknown
13°C
< 0.5 L/s
Granitic
Several iron-stained travertine deposits occur on north side Middle Fork San Joaquin River. (Waring, 1915)

60. "Blacklord D"
Santa Clara
Sec. 6, T. 6 S., R. 5 E.
Active
9°C
< 0.5 L/s
Graywacke
Streambed travertine occurs. (Barnes and O'Neil, 1971)

61. "Del Puerto localities"
Stanislaus
T. 6 S., Rs. 5-6 E.
Active
-
-
Ultramafic
Streambed travertine occurs. (Barnes and O'Neil, 1971)

62. King Spring
Stanislaus
Sec. 14, T. 6 S., R. 5 E.
Active
-
< 0.5 L/s
Peridotite
Streambed travertine occurs. (Barnes and O'Neil, 1971)

63. Birch Creek
Inyo
Sec. 31-33, T. 6 S., R. 35 E.
Active
10°-38°C
14 L/s
Granitic; carbonate
Streambed travertine forms for about 1.5 km below headwater springs. (Barnes, 1965)

64. Alum Rock Park Spring
Santa Clara
Sec. 36, T. 6 S., R. 1 E.
Active
17°-31°C
0.9 L/s (aggregate)
Sedimentary
Two of 16 springs deposit travertine. (Waring, 1915)

65. Anole Spring
Santa Clara
Sec. 3, T. 8 S., R. 3 W.
Ingtive
12°C
< 0.5 L/s
Serpentine; sedimentary
Streambed travertine occurs downstream. (Waring, 1915)

66. Congress Springs
Santa Clara
Sec. 11, T. 8 S., R. 3 W.
Ingtive
18°C
< 0.5 L/s
Diabasic sedimentary
Inactive streambed travertine extends 180 m down Campbell Creek. (Waring, 1915)

67. New Almaden
Santa Clara
Sec. 7, T. 9 S., R. 1 E.
Active
"Cold"
-
-
-
Spring is depositing a thin layer of travertine. (White, 1950)

68. Grapevine Springs
Inyo
Sec. 2, 3, 10, T. 11 S., R. 42 E.
Active
22°-38°C
28 L/s
Carbonate
Travertine forms topographic bench. (Miller, 1977)

69. -
Santa Cruz
Unsurveyed
Unknown
-
-
Sedimentary
Streambed travertine 0.8 km long is in tributary to Hatfield Canyon, 15 km N. 25° W. of San Juan Bautista. (Allen, 1946)

70. Warm Spring, Saline Valley
Inyo
T. 13 S., R. 38 E.
Unknown
-
-
Alluvium
Extensive blanket of travertine contains manganese minerals. (White, 1955)

71. Lime Canyon Springs
Inyo
Sec. 31, T. 13 S., R. 34 E.
Active
-
< 0.5 L/s
Granitic
Travertine apron extends 5 km downcanyon. (Z. G. Moore, 1950, written commun.)

72. Nevares Springs
Inyo
Sec. 36, T. 28 N., R. 1 E.
Active, 21°-40°C
17 L/s
Sedimentary
Spring has largest travertine deposit in Death Valley. (Hunt and Mabey, 1966; Fistrang and Kunkel, 1964)

73. -
Tulare
Sec. 13, T. 17 S., R. 28 E.
Unknown
-
-
-
Travertine was reported at Three Rivers, without comment. (Merrill, 1895)

74. Texas Spring
Inyo
Sec. 23, T. 27 N., R. 1 E.
Active
-
-
14 L/s
Sedimentary
Spring has built travertine mound, much of which is probably of Pleistocene in age. (Hunt and Mabey, 1966; Fistrang and Kunkel, 1964)

75. Travertine Springs
Inyo
Sec. 23-26, T. 27 N., R. 1 E.
Active
32°C
57 L/s
Sedimentary
Springs have built travertine mound much of which is probably Pleistocene in age. (Hunt and Mabey, 1966; Fistrang and Kunkel, 1964)

76. -
Inyo
Sec. 27(?), T. 27 N., R. 1 E.
Inactive
-
-
Gravel and sand
Extinct travertine in two areas overlies fan near mouth of Furnace Creek, Wash. (Hunt and Mabey, 1966)

77. -
Inyo
Sec. 5, T. 18 S., R 46 E. (proj.)
Inactive
-
-
Basalt
Travertine deposit lies at base of hill. (Hunt and Mabey, 1966)

78. -
Inyo
Sec. 27, T. 26 N., R. 2 E.
Inactive
-
-
Basalt
Hard travertine of Pliocene age overlies basalt. (Hunt and Mabey, 1966)

79. Natural Bridge
Tulare
Sec. 14, T. 18 S., R. 33 E.
Inactive
-
-
Basalt and granite
Springs formed a large deposit of travertine. (Waring, 1915; G. A. Witucki, 1977, oral commun.)

80. White Creek
Fresno
T. 18 S., R. 13 E.
Active
-
-
Ultramafic
White Creek contains active streambed travertine in 8 km reach. Older terraces of travertine are as much as 12 m higher. (Arnold and Anderson, 1908)

81. Bolton Hot Springs
Tulare
Sec. 33, T. 19 S., R. 34 E. (proj.)
Active
45°-51°C
<0.5-0.6 L/s
Granitic
Prominent deposits of travertine are associated with 14 springs. (Waring, 1915)

82. Wildrose Canyon
Inyo
Sec. 19, T. 19 S., R. 44 E.
Inactive
-
-
-
Metamorphic
Originally extensive deposits of travertine have been materially eroded. (White, 1940)

83. -
Tulare
Sec. 27, T. 20 S., R. 30 E.
Inactive
-
-
-
Metamorphic
Travertine cone 30 m across base and 15 m high is exposed in roadcut. (J. H. Feth, 1966, field notes)

COLORADO – Continued

9. Cement Creek Spring
Gunnison
Sec. 27, T. 14 S., R. 84 W.
Unknown
28°C
5.5 L/s
Limestone
Spring has formed mound of travertine. (Stearns and others, 1937)

10.-11. Cuffreys (Mound) Spring Park
Sec. 17, T. 15S., R. 73 W.
Active
30°C
< 0.5 L/s
Granitic
Travertine mound is 20-30 m wide, 3-5 m high. (George and others, 1920; Stevenson, 1973)

12. Manitou Springs
El Paso
Sec. 5, T. 14 S., R. 67 W.
Active
-
"Comparatively large"
Granitic, sedimentary
Travertine mounds are near 3 of 6 springs; largest extends downslope to bank of stream. (Stevenson, 1875; Argall, 1949)

13. Soda Spring
Fremont
T. 16 S., R. 73 W.
Ingtive
18°-19°C
Serpent
Granitic
Travertine mound is 15 m wide, 1 m high. (George and others, 1920)

14. Poncha
Chaffee
Sec. 10, T. 49 N., R. 8 E.
Active
27°-38°C
6.3 L/s
Granitic
Travertine mounds of considerable size are at various of the 40 springs. (George and others, 1920)

15.-17. -
Fremont
Sec. 18, T. 49 N., R. 10 E.
Inactive
-
-
Sedimentary
Three deposits of travertine are associated with spotted springs in Wellsville area. One is 400 m long and 60 m thick. (Argall, 1949; Reeves, 1961)

18.-19. -
Fremont
Secs. 26(?) and 35(?), T. 18 S., R. 71 W.
Inactive
-
-
-
Quarry in sec. 26(?) is 45 m long with 12 m face; quarry in sec. 35(?) is 60 m long, face is 3-6 m high. (Argall, 1949)

20. Cebolla Hot Springs
Gunnison
Sec. 33, T. 47 N., R. 2 W.
Unknown
10°-40°C
<0.5-1.3 L/s
-
Travertine mounds surround many of the 20 springs. (George and others, 1920)

21. Mineral (Chamberlin) Hot Springs
Saguache
Sec. 19, T. 45 N., R. 9 E.
Active
37°-51°C
0.5-3 L/s
Volcanic, sedimentary
Thirty springs are associated with large deposits of laminated travertine 6-11 m high. (George and others, 1920; Siebenthal, 1910)

22.-23. Red Creek (Siloam) Springs
Pueblo
Sec. 14, T. 21 S., R. 68 W.
Ingtive
14°-23°C
< 0.5 L/s
Sedimentary
Travertine channels mark extinct springs; 25-30 are still issuing small discharges. (George and others, 1920)

24. Geyser Warm Spring
San Miguel
Sec. 34, T. 44 N., R. 11 W.
Ingtive
34°C
<0.5 L/s
Sedimentary
Large deposit is largely travertine but with Sb_2SO_4, $NaHCO_3$, KCl and other salts. (George and others, 1920)

25. Ouray
Ouray
T. 44 N., R. 92 W.
Active
18°-51°C
0.6-2 L/s
Sedimentary
In Ouray and vicinity, various springs have deposited large masses of travertine. (George and others, 1920)

26. -
Dolores
T. 42 N., R. 11 W. (approx.)
Active
-
-
-
Spring is depositing travertine. (Austin, 1923)

27. -
Mineral
T. 40-42 N., R. 1 E., 1 W.
Inactive
-
-
Creede Formation
Masses of spring-deposited travertine are integral parts of Creede Formation in bodies as much as 30 m thick and as streamed deposits. (Larsen and Cross, 1956)

28. Wagon Wheel Gap Springs
Mineral
T. 41 N., R. 1 E.
Active
58°C
6.3 L/s
Volcanic
Springs issue at at one of three springs. (Emmons and Larsen, 1913; Waring, 1965)

29. -
Dolores
Sec. 4(?), T. 39 N., R. 11 W.
Active
-
-
-
Alluvium
Five areas of travertine occur along west side of Dolores River within 3 km downstream from Rico. Description implies active deposition. (Cross and Spencer, 1900)

30. Trimble Hot Springs
La Plata
Sec. 15, T. 36 N., R. 9 W.
Ingtive
30°-50°C
3.3-12.6 L/s
Sedimentary
Large mound of travertine is near modern springs. (George and others, 1920)

31. Pagosa Springs
Archuleta
Sec. 31, T. 44 N., R 7 W.
Active,
15°-63°C
44 L/s
Sandstone, shale
Springs issue from large travertine mound, inactive at summit; 2 km downstream is another deposit 30 m long and 3 m high. (George and others, 1920; Stevenson, 1973)

IDAHO

1. Big Creek Hot Springs
Lemhi
Sec. 21, T. 23 N., R. 18 E.
Active
42°-96°C
4.7 L/s
Granitic
Travertine deposits are below 15 spring vents. (Young and Mitchell, 1973)

2. -
Custer
Secs. 26, 27, 34, 35, T. 13 N., R. 19 E.
Inactive
-
-
Volcanic
Mass of travertine as much as 30 m thick and 2.5 km^2 in area is integral part of Challis Volcanics. (Ross, 1937)

3. -
Custer
Sec. 25, T. 12 N., R. 18 E.
Inactive
-
-
Volcanic
Mass of travertine 150 m long partly conforms to present ground surface and probably is younger than large mass in T. 13 N., R. 19 E. (Ross, 1937)

4. -
Custer
Sec. 6, T. 10 N., R. 19 E.
Inactive
-
-
Volcanic
Travertine floors 185 m of Spar Canyon. Inactive deposit is above present springs. (Ross, 1937)

5. Warm Springs
Clark
Sec. 25, T. 11 N., R. 32 E.
Ingtive
36°-39°C
130 L/s
Alluvium
Inactive travertine deposit is near the springs. (Young and Mitchell, 1973)

6. Warm Springs
Deer Lodge
Sec. 34, T. 5 N., R. 10 W.
Active
75°C
10 L/s
-
Springs issue from large travertine mound. (Mariner and others, 1976)

7. Boulder Hot Springs
Jefferson
T. 5 N., R. 4 W.
Active
74°C
"Large"
-
Springs deposit small amounts of travertine. In the past they formed modest terraces of travertine and siliceous sinter. (Weed, 1900)

8. Anaconda Hot Springs
Deer Lodge
Sec. 6, T. 4 N., R. 10 W.
Inactive
"Warm"
-
-
Once massive travertine terraces have largely been removed by erosion. Water is depositing limonite that replaces travertine and (as of 1904) was used as flux in copper smelting. (Weed, 1904)

9. -
Madison
Sec. 32, T. 7 S., R. 1 W.
Inactive
-
-
Pre-Belfort
Thin sheet of travertine covers about 0.3 km^2. Another sheet of similar size and a few smaller patches are in secs. 5, 6, 7, 8 S., R. 1 W. (Heinrich and Rabbitt, 1960)

10. Bear Creek Springs
Park
Sec. 19, T. 9 S., R. 9 E.
Active
22°C
<0.5 L/s
Limestone
Springs discharge from south end of 5 km^2 travertine terrace of Pleistocene age. (Struhsacker, 1976; Taylor, 1976)

La Duke Springs
Park
Sec. 25, T. 8 S., R. 7 E.
Active
20°C
6 L/s
Quartzite
Water deposits travertine. Springs are at north end of 5 km^2 terrace of travertine of Pleistocene age. (Struhsacker, 1976; Taylor, 1976)

MONTANA – Continued

11. Bluewater Springs
Carbon
Sec. 9, 15, 16, T. 6 S., R. 24 E.
Unknown
12°C
686 L/s
Sedimentary
Porous travertine underlies floor of Bluewater Creek valley for nearly 3.5 km, about 1.5 km in a tributary canyon, and an area about 1.5 km long and 0.5 km wide near main spring orifices. (Zimmerman, 1964)

12. -
Beaverhead
T. 19 N., R. 32 E.
Inactive
-
-
Limestone
Cliff of white travertine 30 m high is laterally extensive. (Alden, 1953)

NEVADA

1. -
Humboldt
Sec. 17(?), T. 47 N., R. 35 E.
Inactive
-
-
Lakebeds
Travertine and calcite were deposited in late stages of thermal activity. (Yates, 1943)

2. Nile Spring
Elko
Sec. 36, T. 47 N., R. 70 E.
Unknown
41°C
0.5 L/s
Alluvium
Travertine underlies 1-2 ha. (Piper, 1923)

3. -
Elko
T. 39 N., R. 60 E.
Unknown
43°-68°C
1.5 L/s
Sedimentary
Travertine forms a large mound in Hot Creek mining district. (Waring, 1965)

4. -
Elko
T. 38 N., R. 62 E.
Unknown
45°-50°C
0.6 L/s
Sedimentary
Three main springs have formed a large deposit of travertine 6.8 km north of Wells. (Waring, 1965)

5. -
Washoe
Tps. 20-37 N., Rs. 18-19 E.
Inactive
-
-
Alluvium
On Dock Flat, travertine growths, source to washbasin size are abundant; have "worm" below, marking sites of extinct, small springs. (Overton, 1947)

6. Rose Creek Spring
Humboldt
Sec. 28, T. 35 N., R. 36 E.
Ingtive
21°C
< 0.5 L/s
Alluvium
Travertine mound about 175 m by 68 m and 3 m thick has no current deposition. (Feth, field obs., 1960; Hewett and others, 1963)

7. Golconda Hot Springs
Humboldt
Sec. 29, T. 36 N., R. 40 E.
Active,
49°-68°C
16 L/s
Alluvium
Large apron of travertine contains manganese ore in patches. (Hewett and others, 1963)

8. Golconda Mine
Humboldt
Sec. 35, T. 36 N., R. 40 E.
Inactive
-
-
Sedimentary
Travertine forms a large mound in Hot Creek mining district. (Waring, 1965)

9. -
Humboldt
T. 35 N., R. 40 E.
Unknown
-
-
Extensive travertine deposit occurs "11 km south of Golconda." (Kerr, 1940)

10. Fly Ranch (Wards) Hot Springs
Washoe
T. 34 N., R. 23 E.
Unknown
16°C-boiling
-
Alluvium
Many springs and travertine deposits are present. (Stearns and others, 1937)

11. Hot Springs Ranch
Humboldt
Sec. 1, T. 33 N., R. 40 E.
Inactive
-
-
-
Deposit of travertine is 90 m in diameter. (Kerr, 1940; Hewett and others, 1963)

12. Guthrie (Nelson) Springs
Pershing
Sec. 36, T. 32 N., R. 38 E.
Unknown
68°-98°C
16 L/s
Alluvium
Travertine and sinter occur. (Waring, 1965)

13. -
Pershing
Sec. 33, T. 32 N., R. 33 E.
Inactive
-
-
-
Mounds of travertine have openings at top lined with crystalline gypsum and sulfur. (Lee and others, 1916)

14. Leach Hot Springs
Pershing
Sec. 36, T. 32 N., R. 38 E.
Mostly inactive
48°C
"Small"
Sedimentary
Present rate of travertine formation is low. (Waring, 1965)

15. Buffalo Springs
Washoe
T. 31 N., R. 20 E.
Inactive
"Warm"
-
Lakebeds
Travertine piles rise 10-12 m; were formed by subaqueous springs. (Russell, 1885)

16. Mound Spring
Lander
Sec. 7, T. 28 N., R. 44 E.
Unknown
35°C
0.5 L/s
Volcanic
Spring discharges from travertine cone. (D. E. White, 1957, written commun.)

17. Lander
Sec. 36, T. 27 N., R. 43 E.
Inactive
-
-
Alluvium
Until recently a hot pool occupied crater in travertine cone 90 m in diameter. (Hewett and others, 1963)

18. Bruffeys Hot Spring
Eureka
Sec. 14, T. 27 N., R. 52 E.
Unknown
42°-65°C
3.1 L/s
Lakebeds
Spring lies in large area of old travertine. (Hewett and Fleischer, 1960)

19. The Needles
Washoe
T. 26 N., R. 21 E.
Active
-
-
Lakebeds
Modern springs are depositing travertine tubes below lake surface. Earlier springs formed massive towers of travertine that extend about 1.5 km into Pyramid Lake. (Russell, 1885)

20. Sou Hot Springs
Pershing
Sec. 29, T. 26 N., R. 38 E.
Active
72°-86°C
-
Alluvium, rhyolite
Travertine covers 6.8 ha, rising 18 m above plain. (Hague and Emmons, 1877; Hewett and others, 1963)

21. Collar and Elbow Spring
White Pine
Sec. 27, T. 26 N., R. 65 E.
Active
35°C
1.3 L/s
Alluvium
Travertine is reported. (Stearns and others, 1937)

22. Cherry Creek Hot Springs
White Pine
Sec. 1, T. 23 N., R. 62 E.
Active
52° and 58°C
6.3 L/s
Alluvium
These springs issue from large travertine mounds. (Stearns and others, 1937)

23. -
White Pine
T. 19 N., R. 62 E.
Inactive
-
-
Sedimentary
Hillside rubble is cemented with spring-deposited travertine. Rock was formerly used for building houses. (Hunt and others, 1953)

24. -
Churchill
T. 23 N., R. 26 E. (?)
Inactive
-
-
Travertine fills openings of a line of extinct springs that extend 1.5 km northward from boiling springs. (Russell, 1885)

25. Steamboat Springs
Washoe
Sec. 28, 33, T. 18 N., R. 20 E.
Unknown
-
-
Volcanic
Travertine occurs sparsely and in thin layers in predominantly siliceous deposits. (White and others, 1964)

26. Spencer's Hot Spring
Lander
Sec. 19, T. 17 N., R. 46 E.
Unknown
73°C
-
-
Volcanic
Spring issues from travertine terrace. (D. E. White, 1957, written commun.)

27. Bartine Hot Springs
Eureka
Sec. 5, T. 19 N., R. 50 E.
Unknown
41°-48°C
0.6 L/s
Lakebeds
Two springs emerge on large travertine mound. (Stearns and others, 1937)

28. Melvin Hot Springs
White Pine
Sec. 24, T. 21 N., R. 63 E.
Active
80°C
38 L/s
Alluvium
Travertine mound covers 4.8 ha and is 6-12 m high. (Clark and Riddell, 1920)

29. -
Storey
Sec. 21, T. 19 N., R. 21 E.
Unknown
-
-
Volcanic
Small terraces and fissure fillings of travertine occur. (Thompson, 1956)

30. -
Storey
Sec. 15, T. 18 N., R. 22 E. (approx.)
Inactive
-
-
-
Fairly large area of travertine occurs. (Thompson, 1956)

31. Steamboat Spring
Nye
Sec. 19, T. 9 N., R. 62 E.
Active
-
-
Alluvium
Spring is depositing travertine. (Mifflin, 1968)

32. Hot Creek Spring
Nye
T. 7 N., R. 51 E.
Active
88°C
-
-
Crusts of white travertine surround several pools. (Hewett and others, 1963)

33. Lookes Big Spring
Nye
Sec. 15, T. 8 N., R. 55 E.
Active,
37°-38°C
33 L/s
-
Spring issues from top of travertine bluff. (Mifflin, 1968)

34. Chimney Springs
Nye
Sec. 16, T. 7 N., R. 55 E.
Active,
55°-72°C
6.3 L/s
Alluvium
These springs issue from large travertine mounds. (Stearns and others, 1937)

35. -
Mineral
Sec. 29, T. 6 N., R. 20 E.
Ingtive
38°C
-
-
Sedimentary
Manganiferous travertine was deposited by former springs near Sodaville. (Hewett and Fleischer, 1960)

36. Alkali Spring
Esmeralda
Sec. 26, T. 1 S., R. 41 E.
Inactive
60°C
3.8 L/s
Rhyolite
Low travertine dome is "probably an abandoned vent of the spring." (Ball, 1907)

37. -
Clark
Sec. 36, T. 19 S., R. 56 E.
Ingtive
11°C
< 0.5 L/s
Limestone
Extensive travertine terrace is downslope from present spring. Travertine contains fragments of charcoal perhaps from ancient forest fire. (C. S. Howard and J. H. Feth, 1956, field observ.)

38. -
Clark
T. 19 S., R. 63 E.
Inactive
-
-
Limestone
Travertine mounds as much as 3 m high and 15 m across were formed at clusters of spring pots. (J. D. Vine, 1977, written commun.)

OREGON – Continued

5. -
Lake
Sec. 2, T. 32 S., R. 16 E.
Active
11°C
<0.5 L/s
Lakebeds
Considerable travertine is in vicinity. (Treuger, 1950)

6. Antelope Hot Spring
Lake
Sec. 32, T. 35 S., R. 26 E.
Unknown
40°C
1.9 L/s
Alluvium
Travertine occurs. (Treuger, 1950; Waring, 1965)

7. -
Lake
Sec. 27, T. 38 S., R. 24 E.
Active
40°C
<0.5 L/s
Lakebeds; volcanic rocks nearby.
Spring issues from travertine-covered terrace. (Treuger, 1950)

8. Hallinan Spring
Lake
Sec. 29, T. 40 S., R. 24 E.
Active
71°C
< 0.5 L/s
-
Much siliceous travertine is in vicinity. (Bowen and Peterson, 1970)

UTAH

1. -
Cache
Tps. 13-14 N., R. 1 W.
Active
-
-
-
Alluvium
Low travertine cones occur in linear array along fault zone for more than 2 km. (Williams, 1948)

2. Utah Hot Springs
Weber and Box Elder
Sec. 14, T. 7 N., R. 2 W.
Active
71°C
57 L/s
Quartzite
Large travertine apron is highly radioactive. Travertine pillars are nearby and about 30 m above springs. (Feth, 1955; Feth and others, 1961)

3. El Monte Hot Spring
Weber
Sec. 23, T. 6 N., R. 1 W.
Active
58°C
-
Metamorphic
Travertine forms "a considerable deposit." (Hague and Emmons, 1877; Feth and others, 1968)

4. Beck's Hot Spring
Salt Lake
Sec. 14, T. 1 N., R. 1 W.
Ingtive
54°C
-
-
Limestone
Extensive travertine deposits mark former orifices. (Milligan and others, 1966)

5. -
Salt Lake
Sec. 29, T. 1 S., R. 3 E.
Active
5°C
< 0.5 L/s
Sandstone, limestone
Small deposits of travertine are above and below present orifice and in streambed. (J. H. Feth, field notes, 1961)

6. Greentsville Warm Springs
Tooele
Sec. 36, T. 2 S., R. 6 W.
Active
53°-62°C
3.2 L/s
Lakebeds
Six springs deposit travertine. (Stearns and others, 1937)

7. -
Tooele
Sec. 11, T. 4 S., R. 7 W.
Active
6°C
-
-
Active and inactive travertine mounds are present. (Meinzer, 1911)

8. Abraham Hot Spring
Juab
Sec. 15, T. 14 S., R. 8 W.
Active
43°-84°C
73 L/s
Alluvium
Dome of manganiferous travertine is 5 m high and nearly 500 m in diameter. (Callaghan and Thomas, 1939; Crittenden, 1951)

17-21. -
Sanpete
Tps. 14-15 S., R. 3 E.
Active
"Mean annual air temperature"
Aggregate 450 L/s
-
Between Wales and Fountain Green, 7 springs discharge and new deposits are abundance of trav