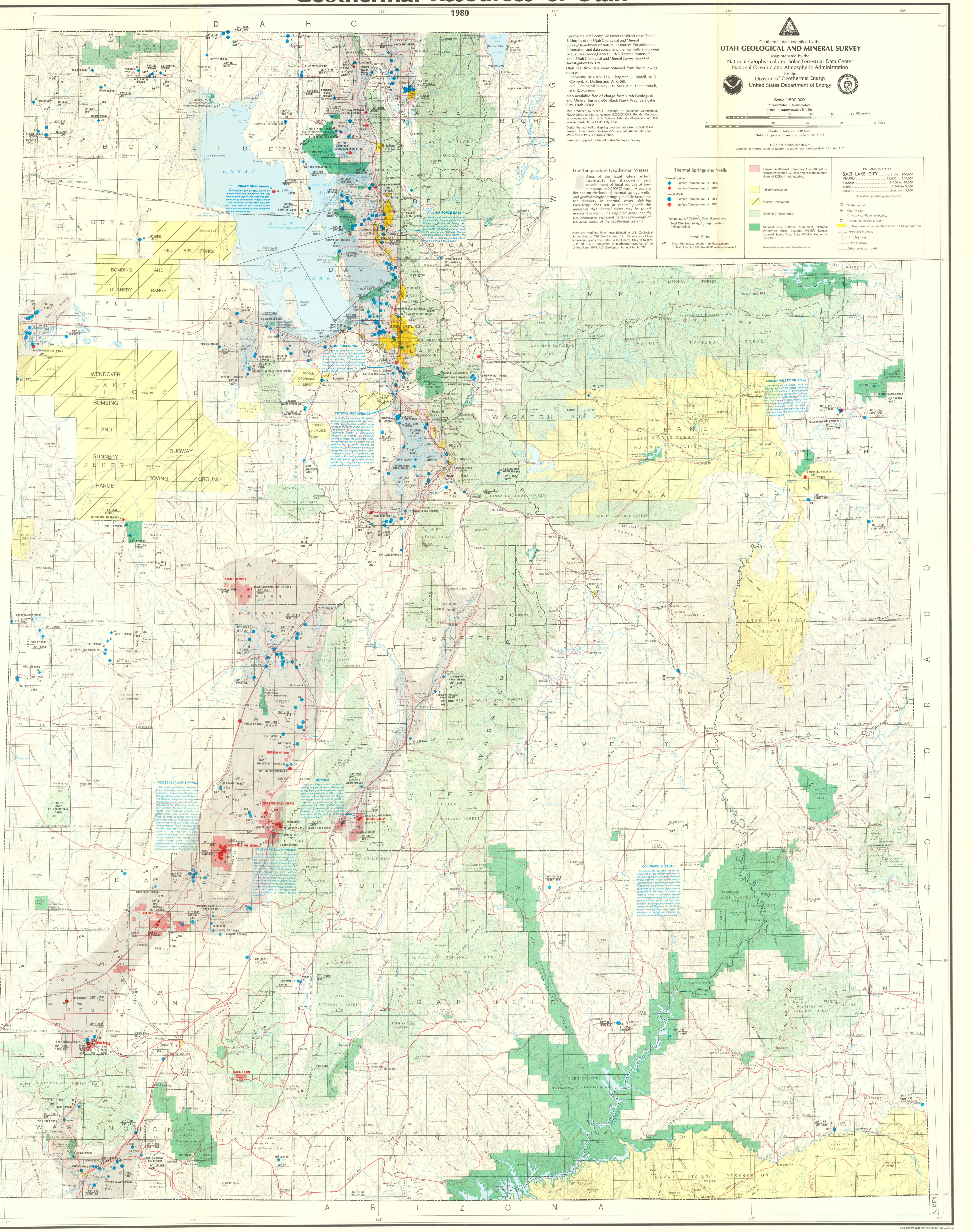
LARRY GARSIDE
NEVADA BUREAU OF MINES
UNIVERSITY OF NEVADA
RENO, NEVADA 89507

Geothermal Resources of Utah

1980



Geothermal data compiled under the direction of Peter J. Murphy of the Utah Geological and Mineral Survey/Department of Natural Resources. For additional information and data concerning thermal wells and springs of Utah see Goode, Harry D., 1978, Thermal waters of Utah: Utah Geological and Mineral Survey Report of Investigation No. 129.

Utah heat flow data were obtained from the following sources:
University of Utah: D.S. Chapman, J. Bodell, M.D. Clement, R. Darling and W.R. Sill.
U.S. Geological Survey: J.H. Sass, A.H. Lachenbruch, and R. Munroe.

Map available free of charge from Utah Geological and Mineral Survey, 606 Black Hawk Way, Salt Lake City, Utah 84108

Map produced by Albert E. Theberge, Jr., Lieutenant Commander, NOAA Corps, and Joy A. Ikelman, NGSDC/NOAA, Boulder, Colorado, in cooperation with Earth Science Laboratory/University of Utah Research Institute, Salt Lake City, Utah

Digital thermal well and spring data available from GEOTHERM Project, United States Geological Survey, 345 Middlefield Road, MS84 Menlo Park, California 94025

Base map supplied by United States Geological Survey

Geothermal data compiled by the
UTAH GEOLOGICAL AND MINERAL SURVEY
Map prepared by the
National Geophysical and Solar-Terrestrial Data Center
National Oceanic and Atmospheric Administration
for the
Division of Geothermal Energy
United States Department of Energy

Scale 1:500,000
1 centimeter = 5 Kilometers
1 inch = approximately 8 miles

Contour interval 500 feet
National geodetic vertical datum of 1929

1927 North American datum
Lambert conformal conic projection based on standard parallels 33° and 45°

Low-Temperature Geothermal Waters

Area of significant lateral extent favorable for discovery and development of local sources of low-temperature (< 90°C) water. Areas are defined on the basis of thermal springs, wells, and geohydrologic settings generally favorable for recovery of thermal water. *Existing knowledge does not in general permit the inference that thermal water may be found everywhere within the depicted areas, nor do the boundaries represent certain knowledge of the areal extent of the geothermal systems.*

Areas are modified from those defined in U.S. Geological Survey Circular 790. See Sammel, E.A., Occurrence of low-temperature geothermal waters in the United States, in Muffler, L.J.P., ed., 1979, Assessment of geothermal resources of the United States-1978: U.S. Geological Survey Circular 790

Thermal Springs and Wells

Thermal Springs
- Surface Temperature ≤ 50°C
- Surface Temperature > 50°C

Thermal Wells
- Surface Temperature ≤ 50°C
- Surface Temperature > 50°C

Temperature, ° Celsius \ Flow, liters/minute
Total Dissolved Solids, milligrams/liter \ Depth, meters

Heat Flow

▲94 Heat flow measurement in milliwatts/meter². 1 Heat Flow Unit (HFU) = 41.87 milliwatts/meter².

Known Geothermal Resources Area (KGRA) as designated by the U.S. Department of the Interior. Name of KGRA in red lettering.

Indian Reservation

Military Reservation

National or State Forest

National Park, National Monument, National Wilderness Areas, National Wildlife Refuge, National Scenic Area, State Wildlife Refuge, or State Park

Private land may exist within federal boundaries

POPULATION KEY

SALT LAKE CITY	more than 100,000
PROVO	25,000 to 100,000
Tooele	5,000 to 25,000
Nephi	2,500 to 5,000
Beaver	less than 2,500

Population indicated by size of letters

- State capital
- County seat
- City, town, village, or locality
- Scheduled service airport
- Built-up area shown for towns over 5,000 population
- Interstate highway
- U. S. highway
- State highway
- Other principal roads

☆U.S. GOVERNMENT PRINTING OFFICE 1980 — 679-252

METRIC CONVERSION FACTORS
1 liter = .2642 gallon
1 meter = 3.281 feet
1 milligram/liter = 1 part per million
° Celsius = 5/9 (° Fahrenheit -32)
° Fahrenheit = 9/5 ° Celsius +32

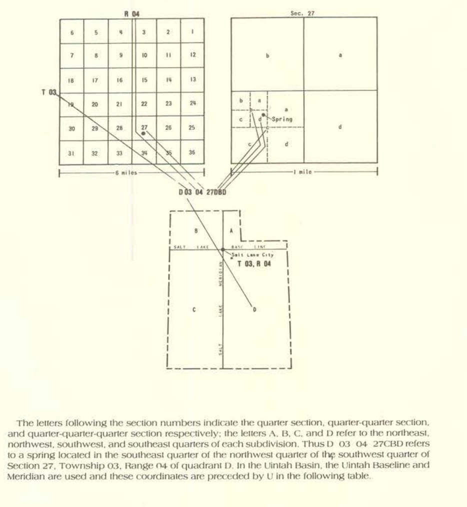
EXPLANATION OF TABLE OF THERMAL SPRINGS AND WELLS

Number within county	Spring (S), Well (W), Mine (M), or Fumarole (F)	Name	Reference page	Quadrant	Township	Range	Section	Location within section	Temperature °C	Flow in liters/minute	Total dissolved solids in milligrams/liter	Depth in meters
23	W	KENNECOTT COPPER	120	C	01	02	24	DBA	23°	11810	1550	256
24	S	HORSESHOE SPRINGS	173	C	02	08	26	DBA	23°		4920	

The majority of the column headings in the accompanying table are self explanatory. However, reference page and location information require additional comment.

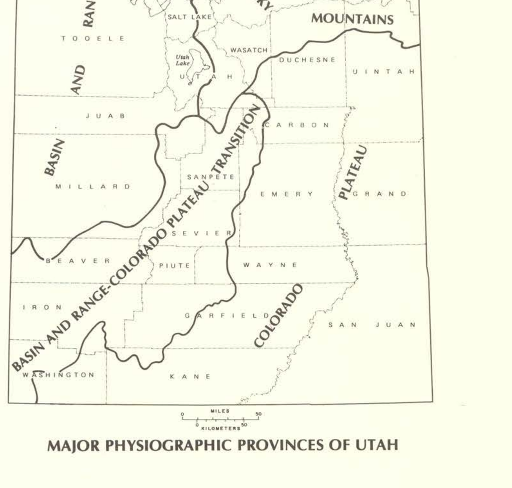
Reference page refers to the page number in Goode, Harry D., Thermal waters of Utah, Utah Geological and Mineral Survey Report of Investigation No. 129, under which a user could find additional information concerning a given well or spring.

Locations in the table are determined by reference to the cadastral land survey network of the United States. Utah is divided into quadrants by the Salt Lake Baseline and Meridian. These quadrants are designated by the upper case letters A, B, C, and D which refer respectively to the northeast, northwest, southwest, and southeast quadrants. Township and range are determined by reference to the Salt Lake Meridian and Baseline. Township, range, section and location within a section are determined by the following scheme.



The letters following the section numbers indicate the quarter section, quarter-quarter section, and quarter-quarter-quarter section respectively; the letters A, B, C, and D refer to the northeast, northwest, southwest, and southeast quarters of each subdivision. Thus D 03 04 27CBD refers to a spring located in the southeast quarter of the northwest quarter of the southwest quarter of Section 27, Township 03, Range 04 of quadrant D. In the Uintah Basin, the Uintah Baseline and Meridian are used and these coordinates are preceded by U in the following table.

No.	Type	Name	Ref. page	Quad.	Twp.	Rng.	Location	Temp.	Flow	TDS	Depth
BEAVER COUNTY											
1	W	UNION OIL 42-7		C	26	06	7BAD	178°			2232
2	S	SULPHURDALE		C	26	06	7CBD	22°			
3	W	PHILLIPS PETROLEUM 82-33		C	26	09	33AAD	177°			1838
4	W	PHILLIPS PETROLEUM 12-35		C	26	09	35BBC	226°			2233
5	S	ROOSEVELT HOT SPRINGS	103	C	26	09	34DCB	56°		7800	
6	W	PHILLIPS PETROLEUM 54-3		C	27	09	3ACC	260°		6442	879
7	W	PHILLIPS PETROLEUM 3-1		C	27	09	3ACB	HOT		7067	832
8	W	THERMAL POWER 14-2		C	27	09	2BCC	204°			1863
9	W	PHILLIPS PETROLEUM 9-1		C	27	09	9ABC	HOT			2099
10	W	PHILLIPS PETROLEUM 13-10		C	27	09	10BCB	HOT			1632
11	W	THERMAL POWER 72-16		C	27	09	16AAC	222°			382
12	W	PHILLIPS PETROLEUM 25-15		C	27	09	15CBB	HOT			2287
13	W	SULLIVAN LAND & LIVESTOCK	103	C	27	10	31DCB	27°	2915	316	213
14	W	E. TANNER	103	C	28	10	5DC	22°	30		87
15	W	PROVINCE OF THE HOLY NAME	103	C	28	11	12ABB	20°	2234	561	134
16	W	TOWN OF MILFORD	103	C	28	10	7ADB	22°	2328	253	162
17	W	HANSON LAND & LIVESTOCK	103	C	28	10	14BBA	21°		224	78
18	W	JOHN FORGIE	103	C	28	10	18AB	26°	95		109
19	W	T.E. WALKER	103	C	28	10	19ABC	26°	23	211	79
20	W	EARTH SCIENCES INC.	167	C	28	14	11ABB	25°		586	449
21	S	WOODHOUSE SPRING	103	C	28	12	29DCC	22°		720	
22	W	GREENVILLE WARD LDS CHURCH	145	C	29	08	25CAC	20°		254	104
23	W	S.R. BARTON	145	C	29	08	36AAB	24°	26		96
24	S	DOTSONS (RADIUM) WARM SPRING	103	C	30	09	7ACA	33°		1030	
25	W	NEB CRAW	103	C	30	10	19ABD	21°	3785	309	89
26	S	US BLM	103	C	30	09	19BDC	33°		1020	
27	S	THERMO HOT SPRINGS	103	C	30	12	21ADD	85°	41	1500	
28	S	THERMO HOT SPRINGS	103	C	30	12	28ACB	83°	73	1490	
29	W	US BLM	103	C	30	11	22DDC	23°	34	253	50
30	S	WILLOW SPRING	103	C	30	09	31DAA	22°		475	
BOX ELDER COUNTY											
1	W	J.E. LEE	96	B	15	09	28CBB	24°	8858	2640	122
2	W	ETHEL TAYLOR	96	B	15	09	31ABC	22°	8706	432	124
3	W	R.W. TOLMAN	146	B	15	06	34CCC	21°		938	169
4	W	C. TAYLOR	96	B	14	09	4BBB	22°		921	107
5	W	DELORIS STOKES	146	B	14	06	9AAB	21°		870	125
6	W	TOWN OF PLYMOUTH	92	B	13	03	11DAC	29°	197		183
7	S	COYOTE SPRING	96	B	14	10	33BCC	43°	76	3240	
8	S	UDY HOT SPRINGS	92	B	13	03	23BAD	51°	3407	7850	
9	S	CUTLER WARM SPRING	92	B	13	02	27DBD	23°	38	2120	
10	S	BLUE CREEK SPRING	146	B	13	05	29BCC	28°	17715	2010	
11	S	PUGSLEY	158	B	13	14	24DDC	23°		314	
12	S	HEAD SPRING	158	B	13	16	23CCD	21°	76	240	
13	S	L.G. CARTER SPRINGS	158	B	13	12	30CAA	25°	19	274	
14	S	LARSON SPRINGS	158	B	13	13	27DDD	21°		795	
15	W	L.D. NESSEN	146	B	13	05	31DAA	21°		1010	123
16	S	W.R. CARTER SPRINGS	158	B	13	13	34CBB	21°		292	
17	S	WARM SPRING	158	B	12	15	19AAB	27°	1287	223	
18	S	BOTHWELL WARM SPRINGS	92	B	11	04	2	24°	8505	2000	
19	S	SPRING (HOT)	106	B	11	19	11DAD	42°	852	248	
20	S	CRYSTAL (MADSENS) HOT SPRINGS	92	B	11	02	29DAD	54°	6048	43500	
21	S	SPRINGS	92	B	11	04	34DCA	22°	38		
22	W	S. JEPPERSON	92	B	10	03	4DDD	26°		10800	155
23	W	NATIONAL PARK SERVICE	159	B	10	06	9BBB	22°	91	852	129
24	S	WARM SPRING	158	B	10	15	6CDB	20°	1461	501	
25	W	DAVIS I	92	B	10	02	16BCC	105°	23	85000	3354
26	S	LITTLE MOUNTAIN HOT SPRING	92	B	10	04	24CCC	42°	1701	37000	
27	W	MERLIN TANNER	106	B	10	18	21AAB	20°	1325		19
28	S	STINKING HOT SPRINGS	92	B	10	03	30BBD	48°	170	34600	
29	S	KIMBER (ROSE) SPRING	106	B	10	18	30BAD	20°	814	304	
30	W	L. ANDERSON	92	B	10	03	33DAC	28°	76		91
31	W	B.C. KIMBER	106	B	10	18	33ABA	20°	4277		28
32	W	CHESAPEAKE DUCK CLUB	92	B	09	03	27CBA	74°	151	3350	153
33	S	POULSEN SPRING (SALT)	159	B	08	05	5CDC	22°	833	3750	
34	W	WELLS & LARKIN	98	B	07	02	10DBD	24°	3570	866	238
35	S	UNNAMED SPRING	159	B	07	05	15CBA	25°	1173	24900	
36	W	R.G. PENTON	98	B	07	02	16DCD	25°	159	221	358
37	W	AMOCO INDIAN COVE		B	07	07	23	214°			3797
38	S	COMPTON SPRING	159	B	06	05	21AAC	22°	159	1520	
39	W	L.W. KELLER CORP. WELL#2	171	B	05	13	31ACD	22°		4050	61
CACHE COUNTY											
1	S	GANCHEFF SPRING	147	B	14	01	33ACA	31°		4380	
2	W	N. BROWN	147	B	13	01	10ACB	49°	57	3280	1587
3	W	W.W. TOOMBS	147	B	13	01	25BAB	28°	1136	720	449
4	W	N.B. SEAMONS	147	B	13	01	27CDD	23°	163		283
5	W	H.C. CRONQUIST	147	B	12	01	2BCD	21°	91	1010	233
6	W	J.L. NUTTALL	147	B	12	01	10DCD	21°	61		162
7	W	CHAS. TAYLOR	147	A	12	01	16DDD	22°	136	336	74
8	W	C. WENNERGREN	147	A	12	01	20CAA	24°			35
9	W	W. PEART	147	A	12	01	21CBD	25°	42		41
10	W	FRED SEARS	147	A	12	01	22CCC	27°	568		61
11	W	F.V. STETLER	147	A	12	01	27AAB	26°	61		60
12	W	LOGANA PLUNGE	147	A	12	01	28BAA	25°			45
13	W	GOSSNER CHEESE	147	A	12	01	29ACC	23°	2082		33
DAVIS COUNTY											
1	S	HOOPER HOT SPRINGS	97	B	05	03	27CBD	60°		9310	
2	W	HILL AFB NO. 2	97	B	05	01	29BDC	20°	2839	325	191
3	W	HILL AFB NO. 5	97	B	04	01	6DCD	22°	3784	272	245
4	W	GSL AUTHORITY	97	B	04	03	19CAA	24°	1060	758	147
5	W	C.D. SMITH	97	B	03	01	5DDA	24°	1136	195	280
6	W	W. HARRIS	97	B	03	01	9AAD	20°			198
7	W	UNNAMED	97	B	03	01	14ABB	20°		282	195
8	W	CEN. DAVIS CO.	97	B	03	01	15BAC	24°	95	267	300
9	W	WHEELER MACH. CO.	97	B	03	01	27ADA	21°	144	354	259
10	W	FARMINGTON BAY REFUGE	97	B	03	01	35ABA	33°		773	372
11	W	F. THALMAN	97	B	02	01	26CDD	20°	8517	2200	130
DUCHESNE COUNTY											
1	S	WARM SPRINGS	130	U(B	01	08)	30DDB	26°	757	454	
EMERY COUNTY											
1	W	ROADSIDE GEYSER	150	D	18	14	9DCD	28°		4710	55
GARFIELD COUNTY											
1	S	LEFEVRE	124	C	33	05	17AC	32°	57		
2	S	TEBBS	124	C	33	05	16CDC	20°	1060	218	
3	W	SHITAMARING MINE	150	D	35	11	16CDD	20°	132	369	171
4	W	SHITAMARING MINE	151	D	35	11	16DCD	21°	284	250	305
IRON COUNTY											
1	S	BIG MAPLE SPRING	103	C	31	09	3CBA	21°		268	
2	W	BUCKHORN CORP.	156	C	32	08	12BAC	20°	13211	210	134
3	W	DE ARMAND 1	102	C	34	16	18CDC	149°	3785		2134
4	W	COLUMBIA IRON MINING CO.	102	C	36	15	4DCD	20°	3501		72
5	W	S. TULLIS	102	C	36	15	7DBA	31°		1040	76
6	W	V. PICKERELL	102	C	36	15	18ACB	24°	3596		122
7	W	CHRISTENSEN BROS.	102	C	36	15	20BBD	96°	6435	1120	152
8	W	G. VANDENBURGE	156	C	37	12	11AAA	21°		408	111
JUAB COUNTY											
1	S	NORTH SPRINGS		C	11	14	3DDB	28°			
2	S	FISH SPRINGS	106	C	11	14	23&26	28°	91	1820	
3	S	RAY LUNT SPRING	157	C	12	01	12AAC	20°	5	962	
4	F	FUMAROLE BUTTE		C	14	09	12DAC	23°			
5	S	BAKER (ABRAHAM, CRATER) HOT S.	120	C	14	08	10DCA	82°	946	3630	
KANE COUNTY											
1	S	RED CANYON	168	C	42	06	9BBD	22°	57		
MILLARD COUNTY											
1	W	DMAD IRR. CO.	120	C	15	05	33DCB	22°	11113	308	251
2	S	GANDY WARM SPRINGS	163	C	15	19	31BC	27°	17034	288	
3	W	L.C. PECK	120	C	16	08	12DDD	27°	6549	363	291
4	S	UNNAMED SPRING	163	C	16	18	9CD	20°	3785		
5	W	DMAD IRR. CO.	120	C	16	05	18CAA	20°	12113	209	285
6	S	COYOTE SPRING	167	C	16	15	13BAB	28°	379	1430	
7	W	J.R. JONES	120	C	16	07	24BCA	24°	5186	262	261
8	W	DMAD IRR. CO.	120	C	16	05	19CBD	20°	7571	208	253
9	S	TWIN SPRINGS	163	C	16	18	22CAB	20°	6814		
10	W	GOLDEN HARVEST IRR. COMPANY	120	C	16	08	26BDB	27°	5262	607	257
11	S	SPRING	167	C	16	15	26CAB	25°			
12	W	TOWN OF DELTA	120	C	17	07	1DDD	27°	2233	277	264
13	S	TULE SPRING	167	C	17	15	10ABA	28°			
14	W	R.M. AND J.F. GARDNER	120	C	17	06	17AAA	28°	7571	230	256
15	W	R.D. MOODY	120	C	17	06	18BDA	26°		292	250
16	S	SOUTH TULE SPRING	167	C	17	15	15ABC	25°			
17	W	T. LARSEN	120	C	17	06	21BDB	21°	34		128
18	W	D. CRAFTS	120	C	17	07	22ADB	21°			137
19	W	L.B. ELLSWORTH	120	C	17	06	26DAA	24°	4353	339	219
20	W	P. THEOBALD	120	C	17	06	28ACB	25°	6019	248	273
21	S	UNNAMED SPRING	167	C	17	15	25BCB	27°			
22	W	UNNAMED WELL	167	C	17	15	25CBB	31°	757		13
23	W	C.K. ROSS	120	C	17	06	33BCC	20°	8		110
24	W	G.M. PETERSON	120	C	17	07	34CBD	22°	19	461	182
25	W	UNION PACIFIC	120	C	18	05	6BBA	21°	11	834	167
26	S	KNOLL SPRINGS	163	C	18	18	16ABB	20°	11		
27	W	W. ROBISON	120	C	18	08	24ADA	26°	34	2250	183
28	W	J.D. HILL	163	C	18	19	20DDD	22°	284		171
29	W	J.D. HILL	163	C	18	19	28BBB	22°			195
30	W	FRANK BADGER	115	C	19	05	21CBB	22°	303		91
31	W	U.S.B.L.M.	115	C	19	05	31CBD	30°	16		114
32	W	E.V. WILSON	115	C	20	05	21DCC	20°	91		128
33	W	NEELS RR WELL	115	C	20	08	29AAD	HOT	984	3336	421
34	W	N. MCBRIDE	115	C	20	05	33BDA	20°	25	553	110
35	W	CHRISTENSEN BROS.	115	C	20	05	32CBB	22°	45		287
36	W	W.A. PAXTON	115	C	21	06	9CAD	21°	6056		161
37	W	UTLEY AND STARLEY	115	C	21	05	30DAD	20°	6435		274
38	S	UNNAMED SPRING	115	C	22	06	25CBB	22°			
39	S	MEADOW HOT SPRINGS	115	C	22	06	27DDC	41°		4900	
40	S	HATTON HOT SPRING	115	C	22	06	35DDC	38°		4670	
41	W	UNNAMED WELL	115	C	22	06	35DD	67°			27
42	S	COYOTE SPRING		C	23	09	33BDD	20°			
43	S	SPRINGS		C	24	09	4BAA	20°			
44	W	GRADIENT HOLE	10	C	25	07	2CC	77°			305
45	W	GRADIENT HOLE	10	C	25	08	1CC	43°			122
46	W	GRADIENT HOLE	10	C	25	08	12DC	49°			133
47	W	FORMINCO#1		C	25	06	29AAD	HOT			320
48	W	UNION OIL 1429		C	25	06	29BCC	91°			665
49	W	UNION OIL 31-33		C	25	06	33BAB	145°		10000	1433
MORGAN COUNTY											
1	S	COMO SPRINGS	171	A	04	03	31CAB	27°	34068	648	
SALT LAKE COUNTY											
1	W	LAKEFRONT GUN CLUB	107	B	02	02	35CDC	27°		132	492
2	W	R.L. IRVINE	108	B	01	02	2DAC	26°		478	165
3	W	RUDY GUN CLUB	107	B	01	01	6CCA	22°	45	567	96
4	W	C.F.& E.L. GILLMORE	107	B	01	01	5DDD	29°	567	1080	305
5	S	BECKS HOT SPRING	109	B	01	01	14DCB	56°		13900	
6	W	E.J. JEREMY	107	B	01	01	19BAB	25°	76	890	197
7	W	BONNEVILLE-ON-THE HILL	108	B	01	02	21ACD	24°	106	635	183
8	W	BONNEVILLE-ON-THE HILL	108	B	01	02	27CCA	25°	110	4400	188
9	S	HOBO WARM SPRING	108	B	01	02	25CAD	29°		31800	
10	S	WASATCH HOT SPRINGS	109	B	01	01	25DBD	42°		7295	
11	W	E.J. JEREMY	108	B	01	02	36BAA	27°	16	4110	141
12	W	MORTON SALT CO.	109	C	01	02	6AAA	22°	129	1870	255
13	W	BONNEVILLE-ON-THE HILL	108	C	01	02	2ABA	25°	12	902	152
14	W	BONNEVILLE-ON THE HILL	109	C	01	02	1BCD	26°	76	2240	126
15	W	BONNEVILLE-ON-THE HILL	109	C	01	02	2ADC	27°	76	3440	138
16	W	L. FOX	107	C	01	02	12DAA	22°	79		125
17	W	KENNECOTT COPPER	108	C	01	03	15BCA	28°	13438	10900	270
18	W	S.A. SUDBURY	108	C	01	01	18DDD	21°	7	766	170
19	W	F.G. KLEIN	109	C	01	02	24AAA	23°	170	3380	137
20	W	M. SCHMIDT	109	D	01	01	19BAC	26°		609	32
21	W	GRANGER-HUNTER IMPROVEMENT DIST.	108	C	01	01	20BDD	24°	5299	393	279
22	W	KENNECOTT COPPER	108	C	01	01	19CAA	25°		906	366
23	W	KENNECOTT COPPER	108	C	01	02	24DBA	23°	11810	1550	256
24	W	K.W. YOUNG	108	C	01	02	23CDD	22°	227	1140	43
25	W	GRANGER-HUNTER IMPROVEMENT DIST.	107	C	01	01	27DDA	21°	1616	470	236
26	W	S.L. CO. WATER CONSERV. DIST.	107	C	01	01	35CAA	23°	1476	372	229
27	W	H.A. TOWERS	109	D	02	01	7DCD	20°		369	148
28	W	UTAH ROSES 1		C	03	01	1CBB	69°	38	2500	1531
29	W	S.L. CO. WATER CONSERV. DIST.	109	C	03	01	1CAB	25°	2756	343	244
30	W	A.W. HARRISON	107	C	03	01	12CCB	21°	33	578	36
31	W	SANDY CITY CORP.	107	D	03	01	18CBB	28°	4845	1360	351
32	W	BARROS INC.	109	D	03	01	20BAA	24°	1321		173
33	S	EAST JORDAN CANAL	107	C	03	01	23BCC	23°		393	
34	W	DRAPER IRRIGATION	108	D	03	01	29CBC	26°	1325	486	84
35	W	STATE PRISON	107	C	04	01	2DDB	29°	227	890	251
36	S	CRYSTAL HOT SPRINGS	109	C	04	01	11AD	86°		1390	
37	W	UTAH ROSES 1 BLUFFDALE		C	04	01	12BCB	88°	568		125
38	S	CAMP WILLIAMS	107	C	04	01	22ADD	23°	114	365	
SAN JUAN COUNTY											
1	S	WARM SPRING	153	D	35	14	30DCC	26°	189	1860	
2	W	NATIONAL PARK SERVICE	151	D	39	26	21BDB	21°	110	1070	434
3	W	BLUFF IRR. CO.	151	D	40	22	30BBB	20°	83	387	366
SANPETE COUNTY											
1	S	LIVINGSTON WARM SPRINGS	128	D	18	02	13CAD	23°	1478	587	
2	S	STERLING (PEACOCK) WARM SPRING	128	D	19	02	4DCA	22°	1618	466	
SEVIER COUNTY											
1	S	SALT SPRING		D	21	01	17B	22°			
2	S	RICHFIELD WARM SPRINGS	125	C	23	03	26ACA	23°	2650	307	
3	S	RED HILL HOT SPRING	125	C	25	03	11CAC	77°	151	2630	
4	S	MONROE (COOPER) HOT SPRINGS	125	C	25	03	10DDA	76°	151	2860	
5	W	3MC		C	25	03	15AA	74°	1134		457
6	W	EDNA MECHAM	125	C	25	04	13CBC	20°	19		22
7	S	JOSEPH HOT SPRINGS	125	C	25	04	23AAC	64°	379	4970	
8	S	JOHNSON WARM SPRING	125	C	25	03	27ABA	25°	38	428	
SUMMIT COUNTY											
1	S	UNNAMED SPRING	106	D	01	04	33AAA	21°	189		
TOOELE COUNTY											
1	W	BERTAGNOLE	161	B	01	09	24CDD	24°	151	3070	66
2	W	BONNEVILLE LTD.#24	95	B	01	18	29CCC	28°	95	6260	51
3	W	BLM (KAISER WELL FW20)	95	B	01	18	31ACC	24°	568		90
4	W	BONNEVILLE LTD.#13	95	C	01	19	2ADB	25°	95	5700	69
5	W	KAISER WELL FW7A	95	C	01	19	3DDC	24°	3785		52
6	W	C. HAMMOND	161	C	01	08	6ABC	27°	38		20
7	W	BONNEVILLE LTD. # 5	95	C	01	19	10BAC	31°	91		66
8	S	BIG WARM SPRINGS		C	01	07	8DD	22°	13627		
9	S	UNNAMED	161	C	01	07	15BDB	24°	114		
10	W	BONNEVILLE LTD. DBW 13	97	C	01	19	23CBC	25°	93		456
11	S	UNNAMED SPRING	161	C	01	07	25ACC	20°			
12	W	BONNEVILLE LTD. DBW 7	95	C	01	19	34BDC	25°	4807		319
13	W	KAISER DBW 9	95	C	01	19	35BCD	30°	4542		432
14	W	BLM (KAISER K65)	95	C	02	17	4AAC	21°	16	196000	6
15	W	KAISER DBW 8	95	C	02	19	3BCD	28°		136000	326
16	W	KENNECOTT COPPER	164	C	02	04	9CDA	30°		2780	209
17	S	REDLUM SPRING	161	C	02	09	7CB	21°	8	1930	
18	W	BONNEVILLE LTD. DBW 1	95	C	02	19	14ADA	43°			366
19	S	GRANTSVILLE WARM SPRINGS	164	C	02	06	16AAD	25°	1514	25800	
20	W	BONNEVILLE LTD. DBW 3	95	C	02	19	24CBA	88°			630
21	W	J.R. WORTHINGTON	164	C	02	06	23CBB	20°	1136	774	64
22	S	UNNAMED SPRING	161	C	02	08	24CC	22°	95	3490	
23	S	HORSESHOE SPRINGS	161	C	02	08	26DAB	23°		4920	
24	W	M. MORTENSEN	164	C	02	05	34CBC	21°		889	116
25	S	DESERET LIVESTOCK SOUTH SPRINGS	161	C	03	08	10CCC	23°	6814	5980	
26	S	DESERET LIVESTOCK SOUTH SPRING	161	C	03	08	15CBA	22°	871	5770	
27	S	DESERET LIVESTOCK	161	C	03	08	21DDB	24°	38	137	
28	W	TOOELE CITY	164	C	03	04	32BCC	22°	1230	418	216
29	S	BLUE LAKE SPRING	95	C	04	19	6DCD	29°			
30	S	MORGANS WARM SPRING	160	C	05	05	9CBA	27°	3785	586	
31	S	RUSSELLS WARM SPRINGS	160	C	05	05	17AAA	22°	1703	445	
32	S	DAVIS	160	C	07	05	32ABA	20°	2271	412	
33	S	WILSON HEALTH SPRINGS	106	C	10	14	33	61°	144	21800	
UINTAH COUNTY											
1	S	SPLIT MTN. WARM SPRING	130	D	04	24	16CDD	30°	10220	942	
2	W	PAN-AM PETROL ER1	129	D	05	22	23CCA	49°	341	1210	1304
3	W	HOLLANDSWORTH & TRAVIS	129	D	05	22	23DCB	56°	15	1960	1259
4	W	PAN AM PETROL	129	D	05	22	26BAB	49°	738	1380	1307
5	W	U.S.B.L.M.	130	D	06	23	1BAD	44°	757	1995	808
6	W	SHELL OIL#1 STATE	130	D	08	20	36BAA	58°			1457
7	W	WOSCO TEST HOLE	130	D	09	20	36DDC	28°		72700	720
8	W	U.S.B.L.M.	132	D	11	24	6DBC	28°	189	1150	1814
UTAH COUNTY											
1	W	V.V. STAKE LDS CHURCH	133	C	05	01	24DCD	23°		1060	27
2	W	F. EASTMOND	133	C	05	01	25CCC	46°	473	1506	32
3	S	CRATER HOT SPRING	133	C	05	01	25BD	44°			
4	S	SARATOGA HOT SPRINGS		C	05	01	25CCC	44°			
5	S	FAULT ZONE SPRING	133	C	06	01	1AAB	32°		1668	
6	W	U.S. STEEL	133	D	06	02	5ACC	21°	7571	157	324
7	W	U.S. STEEL	133	D	06	02	8BCD	21°	8328	141	253
8	W	COOPERATIVE SECURITY CORP.	157	C	06	01	18DCA	27°	45	421	75
9	S	WARM SPRINGS	133	D	07	01	5CCB	25°		1570	
10	S	WARM SPRINGS	133	D	07	01	8BBC	24°		1430	
11	W	REILLY TAR & CHEMICAL CO.	135	D	07	03	20BDA	22°	4	259	103
12	S	BIRD ISLAND	141	D	07	01	26C	30°		6644	
13	S	WOOD SPRINGS	141	D	07	03	32DB	23°	6208	391	
14	S	LINCOLN POINT WARM SPRINGS	141	D	08	01	3DDA	32°		6140	
15	W	DEL CHIPMAN	135	C	08	01	16CBB	20°			119
16	S	DIAMOND FORK WARM SPRINGS	171	D	08	05	14DBA	20°	1703	837	
17	W	MARK HALL	135	D	08	02	16CCD	20°	11	331	206
18	W	R.T. HERBERT	135	D	08	02	33BBB	32°			67
19	W	ORAL BARTHOLOMEW	135	D	08	02	28CCC	34°	757	451	84
20	W	JOHN KOYLE	135	D	09	03	5CDC	20°	38		32
21	S	CASTILLA SPRINGS	171	D	09	04	18BAA	40°	76	6360	
22	S	GOSHEN WARM SPRINGS	141	D	10	01	8C	23°	16504	1320	
23	M	BURGIN MINE	141	C	10	02	15DDD	55°	10220	6610	
24	W	KEARNS STAKE LDS	135	C	10	01	24DDC	22°	818		162
25	W	ELBERTA LAND & WATER CO.	135	C	10	01	28ADA	20°	189	800	102
26	W	LAZY S CATTLE CO.	135	C	10	01	29CDD	23°	6215	373	263
27	W	MAX THOMAS	135	C	10	01	33ABA	20°		1780	130
28	S	SPRINGS	141	C	11	02	3AD	22°	8	380	
29	W	LAZY S CATTLE CO.	135	C	10	01	32CCC	20°	8366	491	157
WASATCH COUNTY											
1	M	MAYFLOWER MINE		D	02	04	25DBB	65°			
2	S	WARM DITCH SPRING	106	D	03	04	27ABA	46°			
3	S	MIDWAY HOT SPRINGS	106	D	03	04	27CBD	38°			
4	S	MIDWAY HOT SPRINGS	106	D	03	04	26CCA	40°			
5	S	MIDWAY HOT SPRING	106	D	03	04	34ADB	46°			
WASHINGTON COUNTY											
1	S	IRVINE SPRING	143	C	39	16	14DBA	21°	178	246	
2	S	VEYO HOT SPRING	143	C	40	16	6CDB	32°	416	390	
3	W	ANDERSON RANCH	143	C	40	13	27BDB	21°	79	295	91
4	W	UTAH ST. LAND BD.	143	C	41	13	16BCD	22°	356	998	344
5	S	DIXIE (LAVERKIN) HOT SPRINGS	143	C	41	13	25C	42°	17034	9530	
6	S	SNOW SPRING	143	C	41	16	34BDA	21°	98		
7	S	BERRY SPRINGS	143	C	42	14	1BCD	24°	125	1180	
8	S	VIRGIN RIVER SPRING	143	C	42	14	2CCA	21°	379		
9	W	DIXIE SPRINGS FARM	143	C	42	14	12DCC	20°	382		43
10	S	GREEN SPRING	143	C	42	15	15BBA	24°		1240	
11	S	WARM SPRING	143	C	42	15	14BBB	24°	1703		
12	W	M. FAWCETT	143	C	42	14	15CBA	20°	416		98
13	W	D. NISSON	143	C	42	15	14DAD	20°	435	1180	107
14	W	E. EARL	143	C	42	16	24ACA	21°			41
15	S	WARNER VALLEY SPRING	143	C	42	14	32ABB	21°		3400	
16	W	W. SEEGMILLER	143	C	43	15	10ACC	21°	227	4080	30
WAYNE COUNTY											
1	W	GARKANE POWER	150	D	28	08	29DCB	24°	11772	3746	232
WEBER COUNTY											
1	S	UTAH HOT SPRINGS	98	B	07	02	14DCA	59°		21600	
2	S	PATIO SPRINGS	171	A	07	01	22CAA	20°	606		
3	W	GSLM & C CORP. NO. 14	98	B	07	03	31AAC	39°	212	462	246
4	W	GEORGE EAST NO. 1	98	B	07	03	33CDD	20°	68	259	122
5	W	E.J. WAYMENT	98	B	06	03	4DAB	21°	23	531	165
6	W	R.M. JACOB	98	B	06	03	5CCC	25°	30		155
7	W	R.M. JACOB	98	B	06	03	10ACB	22°	53	453	229
8	W	MARGUARDT ACFT	98	B	06	03	19AAB	22°	568	1230	70
9	S	OGDEN HOT SPRING	97	B	06	01	23CCD	57°	284	8650	
10	W	UTAH BYPRODUCTS	97	B	06	01	29CBB	24°	1136	1760	257
11	W	L. DEFRIES	98	B	06	02	27DCD	20°		266	191
12	W	G.E. STRATFORD	98	B	06	02	25CCC	22°		1260	210
13	W	D. PREVEDEL	98	B	06	02	33DDC	20°		216	208
14	W	C.C. HAWKES	97	B	05	02	5ACB	22°	114	509	279
15	W	H.J. BYINGTON	97	B	05	03	11DAD	20°	15	216	160
16	W	E. PENMAN	97	B	05	02	7DAB	22°	64	238	306
17	W	R.F. PARKER	97	B	05	03	15AAA	24°	151		200
18	W	WBWCD RIVERDALE	97	B	05	01	18ABB	21°	9463	287	223
19	W	WASHINGTON TERR.	97	B	05	01	17CBC	21°	9463	259	277
20	W	T.W. RHEAD	97	B	05	03	15DDA	24°	98	226	198



MAJOR PHYSIOGRAPHIC PROVINCES OF UTAH