

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
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OPEN-FILE REPORT O-77-2
GEOTHERMAL GRADIENT DATA

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INTRODUCTION

Temperature increases with depth beneath the earth's surface and measurement of the rate of increase in temperature with depth (geothermal gradient) in holes and wells is a useful and relatively inexpensive method of evaluating the geothermal energy potential of large areas. The Oregon Department of Geology and Mineral Industries has a continuing program of measuring geothermal gradients throughout the state as part of its efforts to evaluate Oregon's geothermal energy potential.

This report contains geothermal gradient data collected by the Department between September, 1975 and December, 1976. Previous reports contain similar data collected in earlier years (Bowen, 1975; Hull, 1975; and Hull and others, 1976). The geothermal gradient data are presented in the form of tables and graphs. In the tables, temperature and depth information are given in both metric and English units. Graphs for each well are plotted in degrees Celsius versus depth in meters.

Seven heat flow holes drilled by the Department in the Cascade Range and Blue Mountains in the fall of 1976 had not reached temperature equilibrium by the time this report was prepared and results from these holes will be released at a later date. Hole number 22S/19E-32 AD, which was included in the earlier report by Hull and others (1976), is included in this report because the earlier data did not represent equilibrium temperatures in this hole.

The gradients tabulated herein were measured in holes drilled by the Department and in previously drilled water wells. During 1976 our geothermal

studies were concentrated in the Western Cascades, Willamette Valley, High Lava Plains, Owyhee Upland and the Basin-Range physiographic provinces and the majority of the holes and wells are in these areas (figure 1). The tables are listed in sequence by township from north to south and for each township, the holes are ordered by range in a west to east sequence. Individual hole locations are shown on plate 1.

Hole numbers express the location by township, range and section. The quarter section and quarter-quarter section locations are represented by an alphabetical designation of A, B, C or D for the northeast, northwest, southwest, and southeast quarter or quarter-quarter respectively. The first letter designates the quarter section and the second letter represents the quarter-quarter section. Thus hole 19S/25E-14AC is located in the southwest quarter (C) of the northeast quarter (A) of section 14, township 19 south, range 25 east.

The quality of the geothermal gradient data is highly variable. Many of the holes tabulated in this report were drilled specifically for temperature gradient information as part of the Department's heat flow studies and the data are relatively high quality. Other data were collected from existing water wells and the quality for some wells is lower due to movement of groundwater within the well or in aquifers in the vicinity of the well.

These geothermal gradients are being released to open-file at this time as they may be of value to interested geothermal researchers and exploration groups. Heat flow calculations and a continuing evaluation of Oregon's

geothermal resource potential are in progress and will be presented in future publications.

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ACKNOWLEDGEMENTS

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REFERENCES

- Bowen, Richard G., 1975, Geothermal gradient data: Oregon Department of Geology and Mineral Industries open-file report O-75-3, 114 p. (contains data collected between 1970 and 1974).
- Hull, Donald A., 1975, Geothermal gradient data, Vale area, Malheur County, Oregon: Oregon Department of Geology and Mineral Industries open-file report O-75-4, 18 p. (contains data collected between October, 1974 and June, 1975).
- Hull, Donald A., Bowen, Richard G., Blackwell, David D., and Peterson, Norman V., 1976, Geothermal gradient data, Brothers fault zone, Oregon: Oregon Department of Geology and Mineral Industries open-file report O-76-2, 25 p. (contains data from holes drilled by the Department in the summer of 1975).

LOCATION: PENDLETON AMS, OREGON
 5N/29E/203C
 HOLE NUMBER: CP-WW
 DATE MEASURED: 11/21/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	15.400	59.72	.0	.0
12.5	41.0	15.550	59.99	60.0	3.3
15.0	49.2	15.620	60.12	28.0	1.5
17.5	57.4	15.700	60.26	32.0	1.8
20.0	65.6	15.780	60.40	32.0	1.8
22.5	73.8	15.840	60.51	24.0	1.3
25.0	82.0	15.920	60.66	32.0	1.8
27.5	90.2	15.980	60.76	24.0	1.3
30.0	98.4	16.040	60.87	24.0	1.3
32.5	106.6	16.100	60.98	24.0	1.3
35.0	114.8	16.150	61.07	20.0	1.1
37.5	123.0	16.240	61.23	36.0	2.0
40.0	131.2	16.240	61.23	.0	.0
42.5	139.4	16.250	61.25	4.0	.2
45.0	147.6	16.260	61.27	4.0	.2
47.5	155.8	16.270	61.29	4.0	.2
50.0	164.0	16.280	61.30	4.0	.2
52.5	172.2	16.300	61.34	8.0	.4
55.0	180.4	16.300	61.34	.0	.0
57.5	188.6	16.310	61.36	4.0	.2
60.0	196.8	16.300	61.34	-4.0	-.2

LOCATION: PENDLETON AMS, OREGON
 03N/30E/230D
 HOLE NUMBER: RE-WW
 DATE MEASURED: 12/23/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	13.390	56.10	.0	.0
40.0	131.2	14.630	58.33	62.0	3.4
60.0	196.8	15.320	59.58	34.5	1.9
80.0	262.4	16.110	61.00	39.5	2.2
100.0	328.0	16.860	62.35	37.5	2.1
110.0	360.8	17.540	63.57	68.0	3.7
115.0	377.2	17.750	63.95	42.0	2.3
120.0	393.6	17.990	64.38	48.0	2.6
125.0	410.0	18.160	64.69	34.0	1.9
130.0	426.4	18.290	64.92	26.0	1.4
135.0	442.8	18.430	65.17	28.0	1.5
140.0	459.3	18.430	65.17	.0	.0
145.0	475.7	18.430	65.17	.0	.0
150.0	492.1	18.430	65.17	.0	.0
155.0	508.5	18.430	65.17	.0	.0
160.0	524.9	18.430	65.17	.0	.0
165.0	541.3	18.430	65.17	.0	.0
170.0	557.7	18.430	65.17	.0	.0
175.0	574.1	18.430	65.17	.0	.0
180.0	590.5	18.430	65.17	.0	.0

LOCATION: THE DALLES AMS, OREGON
2N/12E/30AD

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HOLE NUMBER: CFP-WV

DATE MEASURED: 9/ 6/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.035	50.06	.0	.0
20.0	65.6	10.695	51.25	66.0	3.6
30.0	98.4	11.200	52.16	50.5	2.8
40.0	131.2	11.440	52.59	24.0	1.3
50.0	164.0	11.810	53.26	37.0	2.0
60.0	196.8	12.115	53.81	30.5	1.7
70.0	229.6	12.510	54.52	39.5	2.2
80.0	262.4	12.795	55.03	28.5	1.6
90.0	295.2	13.095	55.57	30.0	1.6
100.0	328.0	13.335	56.00	24.0	1.3
110.0	360.8	13.425	56.16	9.0	.5
120.0	393.6	13.975	57.15	55.0	3.0

LOCATION: VANCOUVER AMS, OREGON
1N/ 2E/16AA

HOLE NUMBER: PA-WW

DATE MEASURED: 8/ 9/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.250	55.85	.0	.0
7.5	24.6	13.250	55.85	.0	.0
10.0	32.8	13.260	55.87	4.0	.2
12.5	41.0	13.260	55.87	.0	.0
15.0	49.2	13.260	55.87	.0	.0
17.5	57.4	13.260	55.87	.0	.0
20.0	65.6	13.250	55.85	-4.0	-.2
22.5	73.8	13.260	55.87	4.0	.2
25.0	82.0	13.250	55.85	-4.0	-.2
27.5	90.2	13.240	55.83	-4.0	-.2
30.0	98.4	13.270	55.89	12.0	.7
32.5	106.6	13.270	55.89	.0	.0
35.0	114.8	13.270	55.89	.0	.0
37.5	123.0	13.270	55.89	.0	.0
40.0	131.2	13.280	55.90	4.0	.2
42.5	139.4	13.280	55.90	.0	.0
45.0	147.6	13.280	55.90	.0	.0
47.5	155.8	13.250	55.85	-12.0	-.7
50.0	164.0	13.260	55.87	4.0	.2
55.0	180.4	13.270	55.89	2.0	.1
60.0	196.8	13.260	55.87	-2.0	-.1

LOCATION: VANCOUVER AMS, OREGON
 01N/02E/29DB
 HOLE NUMBER: PC-NW
 DATE MEASURED: 07/13/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100
55.0	180.4	11.770	53.19	.0	.0
60.0	196.8	11.020	51.84	-150.0	-8.2
65.0	213.2	11.030	51.85	2.0	.1
70.0	229.6	11.020	51.84	-2.0	-.1
75.0	246.0	11.020	51.84	.0	.0
80.0	262.4	11.010	51.82	-2.0	-.1
85.0	278.8	11.000	51.80	-2.0	-.1
90.0	295.2	11.000	51.80	.0	.0
95.0	311.6	11.000	51.80	.0	.0
100.0	328.0	11.020	51.84	4.0	.2
105.0	344.4	11.030	51.85	2.0	.1
110.0	360.8	11.040	51.87	2.0	.1
115.0	377.2	11.050	51.89	2.0	.1
120.0	393.6	11.090	51.96	8.0	.4
125.0	410.0	11.110	52.00	4.0	.2

LOCATION: VANCOUVER AMS, OREGON
 01N/03E/32AA
 HOLE NUMBER: RWD-WW
 DATE MEASURED: 06/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100
10.0	32.8	11.230	52.21	.0	.0
20.0	65.6	11.270	52.29	4.0	.2
30.0	98.4	11.370	52.47	10.0	.5
40.0	131.2	11.580	52.84	21.0	1.2
50.0	164.0	11.790	53.22	21.0	1.2
55.0	180.4	11.800	53.24	2.0	.1
60.0	196.8	11.800	53.24	.0	.0
65.0	213.2	11.800	53.24	.0	.0
70.0	229.6	11.820	53.28	4.0	.2
75.0	246.0	11.880	53.38	12.0	.7
80.0	262.4	12.020	53.64	28.0	1.5
85.0	278.8	12.360	54.25	68.0	3.7
90.0	295.2	12.990	55.38	126.0	6.9
95.0	311.6	13.750	56.75	152.0	8.3
100.0	328.0	14.440	57.99	138.0	7.6
105.0	344.4	14.550	58.19	22.0	1.2
110.0	360.8	14.650	58.37	20.0	1.1

LOCATION: PENDLETON AMS, OREGON
01N/26E/26CC

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HOLE NUMBER: TAW

DATE MEASURED: 12/06/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
70.0	229.6	16.390	62.40	.0	.0
75.0	246.0	16.420	61.56	-94.0	-5.2
80.0	262.4	16.500	61.70	16.0	.9
85.0	278.8	16.550	61.79	10.0	.5
90.0	295.2	16.590	61.86	8.0	.4
95.0	311.6	16.600	61.88	2.0	.1
100.0	328.0	16.610	61.90	2.0	.1
105.0	344.4	16.620	61.92	2.0	.1
110.0	360.8	16.610	61.90	-2.0	-.1
115.0	377.2	16.610	61.90	.0	.0
120.0	393.6	16.640	61.95	6.0	.3
125.0	410.0	16.510	61.72	-26.0	-1.4
130.0	426.4	16.480	61.66	-6.0	-.3
135.0	442.8	16.460	61.63	-4.0	-.2
140.0	459.2	16.480	61.66	4.0	.2

LOCATION: PENDLETON AMS, OREGON
01N/32E/3BA

HOLE NUMBER: BWW

DATE MEASURED: 07/07/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 F
20.0	65.6	13.770	56.79	.0	.0
30.0	98.4	13.910	57.04	14.0	.8
40.0	131.2	14.280	57.70	37.0	2.0
45.0	147.6	14.420	57.96	28.0	1.5
50.0	164.0	14.590	58.26	34.0	1.9
55.0	180.4	14.750	58.55	32.0	1.8
60.0	196.8	14.910	58.84	32.0	1.8
65.0	213.2	15.100	59.18	38.0	2.1
70.0	229.6	15.290	59.52	38.0	2.1
75.0	246.0	15.460	59.83	34.0	1.9
80.0	262.4	15.630	60.13	34.0	1.9
85.0	278.8	15.750	60.35	24.0	1.3
90.0	295.2	15.900	60.62	30.0	1.6
95.0	311.6	16.010	60.82	22.0	1.2
100.0	328.0	16.150	61.07	28.0	1.5
105.0	344.4	16.310	61.36	32.0	1.8
110.0	360.8	16.490	61.68	36.0	2.0
115.0	377.2	16.640	61.95	30.0	1.6
120.0	393.6	16.800	62.24	32.0	1.8
125.0	410.0	16.950	62.51	30.0	1.6
130.0	426.4	17.110	62.80	32.0	1.8
135.0	442.8	17.230	63.01	24.0	1.3
140.0	459.2	17.410	63.34	36.0	2.0
145.0	475.6	17.520	63.54	22.0	1.2

LOCATION: PENDLETON AMS, OREGON
01N/35E/ 4CC

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HOLE NUMBER: DP-WW

DATE MEASURED: 12/07/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.970	46.35	.0	.0
20.0	65.6	8.130	46.63	16.0	.9
30.0	98.4	8.250	46.85	12.0	.7
40.0	131.2	8.340	47.01	9.0	.5
50.0	164.0	8.400	47.12	6.0	.3
60.0	196.8	8.550	47.39	15.0	.8
70.0	229.6	8.760	47.77	21.0	1.2
80.0	262.4	9.010	48.22	25.0	1.4
85.0	278.8	9.030	48.25	4.0	.2
90.0	295.2	9.040	48.27	2.0	.1
95.0	311.6	9.060	48.31	4.0	.2
100.0	328.0	9.090	48.36	6.0	.3
105.0	344.4	9.150	48.47	12.0	.7
110.0	360.8	9.220	48.60	14.0	.8
115.0	377.2	9.260	48.67	8.0	.4
120.0	393.6	9.280	48.70	4.0	.2
125.0	410.0	9.330	48.79	10.0	.5
130.0	426.4	9.400	48.92	14.0	.8
135.0	442.8	9.500	49.10	20.0	1.1
140.0	459.2	9.520	49.14	4.0	.2
145.0	475.6	9.580	49.24	12.0	.7
150.0	492.0	9.630	49.33	10.0	.5
155.0	508.4	9.660	49.39	6.0	.3
160.0	524.8	9.720	49.50	12.0	.7
165.0	541.2	9.790	49.62	14.0	.8
170.0	557.6	9.880	49.78	18.0	1.0
175.0	574.0	9.960	49.93	16.0	.9
180.0	590.4	10.030	50.05	14.0	.8
185.0	606.8	10.100	50.18	14.0	.8
190.0	623.2	10.220	50.40	24.0	1.3
195.0	639.6	10.270	50.49	10.0	.5
200.0	656.0	10.500	50.90	46.0	2.5
205.0	672.4	10.460	50.83	-8.0	-.4
210.0	688.8	10.600	51.08	28.0	1.5
215.0	705.2	10.680	51.22	16.0	.9
220.0	721.6	10.720	51.30	8.0	.4
225.0	738.0	10.980	51.76	32.0	2.9
230.0	754.4	10.900	51.62	-16.0	-.9
235.0	770.8	10.990	51.78	18.0	1.0
240.0	787.2	11.050	51.89	12.0	.7
245.0	803.6	11.130	52.03	16.0	.9
250.0	820.0	11.200	52.16	14.0	.8
255.0	836.4	11.250	52.25	10.0	.5
260.0	852.8	11.260	52.27	2.0	.1
265.0	869.2	11.290	52.32	6.0	.3
270.0	885.6	11.340	52.41	10.0	.5

LOCATION: VANCOUVER AMS, OREGON
1S/ 5E/26DC1

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HOLE NUMBER: BRP-28

DATE MEASURED: 9/24/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	9.460	49.03	.0	.0
7.5	24.6	9.630	49.33	58.0	3.7
10.0	32.8	10.050	50.09	158.0	9.2
12.5	41.0	10.070	50.13	8.0	.4
15.0	49.2	10.090	50.16	8.0	.4
17.5	57.4	10.090	50.16	.0	.0
20.0	65.6	10.090	50.16	.0	.0
22.5	73.8	10.120	50.22	12.0	.7
25.0	82.0	10.440	50.79	128.0	7.0
27.5	90.2	10.510	50.92	28.0	1.5
30.0	98.4	10.510	50.92	.0	.0
32.5	106.6	10.510	50.92	.0	.0
35.0	114.8	10.490	50.88	-8.0	-.4
37.5	123.0	10.600	51.08	44.0	2.4

LOCATION: VANCOUVER AMS, OREGON
1S/ 5E/26DC2

HOLE NUMBER: BRP-5

DATE MEASURED: 9/24/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.930	49.87	.0	.0
12.5	41.0	9.950	49.91	8.0	.4
15.0	49.2	10.150	50.27	80.0	4.4
17.5	57.4	10.220	50.40	28.0	1.5
20.0	65.6	10.410	50.74	76.0	4.2
22.5	73.8	10.450	50.81	16.0	.9
25.0	82.0	10.600	51.08	60.0	3.3
27.5	90.2	10.670	51.21	28.0	1.5

LOCATION: VANCOUVER AMS, OREGON
02S/02N/21BC

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HOLE NUMBER: DWW

DATE MEASURED: 07/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.280	52.30	.0	.0
15.0	49.2	11.970	53.55	138.0	7.6
20.0	65.6	11.140	52.05	-156.0	-9.1
22.5	73.8	11.090	51.96	-20.0	-1.1
25.0	82.0	11.040	51.87	-20.0	-1.1
27.5	90.2	11.010	51.82	-12.0	-.7
30.0	98.4	10.980	51.76	-12.0	-.7
32.5	106.6	10.950	51.71	-12.0	-.7
35.0	114.8	10.960	51.73	4.0	.2
37.5	123.0	10.940	51.69	-8.0	-.4
40.0	131.2	10.940	51.69	.0	.0
42.5	139.4	10.940	51.69	.0	.0
45.0	147.6	10.940	51.69	.0	.0

LOCATION: VANCOUVER AMS, OREGON
2S/ 2E/20BD

HOLE NUMBER: GL-DW

DATE MEASURED: 9/27/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	12.400	54.32	.0	.0
25.0	82.0	12.440	54.39	8.0	.4
30.0	98.4	12.520	54.54	16.0	.9
35.0	114.8	12.590	54.66	14.0	.8
40.0	131.2	12.680	54.82	18.0	1.0
45.0	147.6	12.750	54.95	14.0	.8
50.0	164.0	12.390	55.20	28.0	1.5
55.0	180.4	12.990	55.38	20.0	1.1
60.0	196.8	13.090	55.56	20.0	1.1
65.0	213.2	13.190	55.74	20.0	1.1
70.0	229.6	13.260	55.87	14.0	.8
75.0	246.0	13.410	56.14	30.0	1.6

LOCATION: VANCOUVER AMS, OREGON

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02S/04E/18DDA

HOLE NUMBER: SB-WW

DATE MEASURED: 06/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.850	51.53	.0	.0
30.0	98.4	11.250	52.25	20.0	1.1
50.0	164.0	11.540	52.77	14.5	.8
70.0	229.6	12.480	54.46	47.0	2.6
90.0	295.2	12.840	55.11	18.0	1.0
100.0	328.0	13.390	56.10	55.0	3.0
110.0	360.8	13.500	56.30	11.0	.6
120.0	393.6	13.660	56.59	16.0	.9
130.0	426.4	14.230	57.61	57.0	3.1
140.0	459.2	14.340	57.81	11.0	.6
150.0	492.0	14.680	58.42	34.0	1.9
160.0	524.8	15.210	59.38	53.0	2.9
170.0	557.6	15.780	60.40	57.0	3.1
175.0	574.0	15.880	60.58	20.0	1.1
180.0	590.4	16.000	60.80	24.0	1.3
185.0	606.8	16.200	61.16	40.0	2.2
190.0	623.2	16.410	61.54	42.0	2.3
195.0	639.6	16.620	61.92	42.0	2.3
200.0	656.0	16.810	62.26	38.0	2.1
205.0	672.4	17.030	62.65	44.0	2.4
210.0	688.8	17.210	62.98	36.0	2.0
215.0	705.2	17.410	63.34	40.0	2.2
220.0	721.6	17.560	63.61	30.0	1.6
225.0	738.0	17.730	63.91	34.0	1.9

LOCATION: VANCOUVER AMS, OREGON

02S/04E/22CBC

HOLE NUMBER: SF-WW

DATE MEASURED: 06/25/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 F
10.0	32.8	11.400	52.52	.0	.0
20.0	65.6	11.210	52.18	-19.0	-1.0
30.0	98.4	10.690	51.24	-52.0	-2.9
35.0	114.8	10.740	51.33	10.0	.5

LOCATION: THE DALLES AMS, OREGON

13

2S/ 7E/343B

HOLE NUMBER: CCPA-WW

DATE MEASURED: 6/15/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.770	47.79	.0	.0
15.0	49.2	8.990	48.18	44.0	2.4
20.0	65.6	9.240	48.63	50.0	2.7
25.0	82.0	9.470	49.05	46.0	2.5
30.0	98.4	9.680	49.42	42.0	2.3
35.0	114.8	9.900	49.82	44.0	2.4
40.0	131.2	10.110	50.20	42.0	2.3
45.0	147.6	10.410	50.74	60.0	3.3
50.0	164.0	10.650	51.17	48.0	2.6
55.0	180.4	10.930	51.67	56.0	3.1
60.0	196.8	11.180	52.12	50.0	2.7
65.0	213.2	11.520	52.74	68.0	3.7
70.0	229.6	11.800	53.24	56.0	3.1
75.0	246.0	12.080	53.74	56.0	3.1
80.0	262.4	12.360	54.25	56.0	3.1
85.0	278.8	12.620	54.72	52.0	2.9
90.0	295.2	12.810	55.06	38.0	2.1

LOCATION: PENDLETON AMS, OREGON
02S/33E/ 7CCD

14

HOLE NUMBER: WR-WW

DATE MEASURED: 08/16/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.400	52.52	.0	.0
15.0	49.2	11.770	53.19	74.0	4.1
20.0	65.6	12.100	53.78	66.0	3.6
25.0	82.0	12.460	54.43	72.0	4.0
30.0	98.4	12.810	55.06	70.0	3.8
35.0	114.8	12.970	55.35	32.0	1.8
40.0	131.2	13.140	55.65	34.0	1.9
45.0	147.6	13.330	55.99	38.0	2.1
50.0	164.0	13.520	56.34	38.0	2.1
55.0	180.4	13.800	56.84	56.0	3.1
60.0	196.8	13.970	57.15	34.0	1.9
65.0	213.2	14.130	57.43	32.0	1.8
70.0	229.6	14.320	57.78	38.0	2.1
75.0	246.0	14.500	58.10	36.0	2.0
80.0	262.4	14.660	58.39	32.0	1.8
85.0	278.8	14.810	58.66	30.0	1.6
90.0	295.2	15.100	59.18	58.0	3.2
95.0	311.6	15.170	59.31	14.0	.8
100.0	328.0	15.430	59.77	52.0	2.9
105.0	344.4	15.600	60.08	34.0	1.9
110.0	360.8	15.820	60.48	44.0	2.4
115.0	377.2	16.040	60.87	44.0	2.4
120.0	393.6	16.240	61.23	40.0	2.2
125.0	410.0	16.550	61.79	62.0	3.4
130.0	426.4	16.710	62.08	32.0	1.8
135.0	442.8	16.880	62.38	34.0	1.9
140.0	459.2	17.320	63.18	88.0	4.8
145.0	475.6	17.460	63.43	28.0	1.5
150.0	492.0	17.670	63.81	42.0	2.3
155.0	508.4	18.080	64.54	82.0	4.5
160.0	524.8	18.170	64.71	18.0	1.0
165.0	541.2	18.300	64.94	26.0	1.4
170.0	557.6	18.420	65.16	24.0	1.3
175.0	574.0	18.550	65.39	26.0	1.4
180.0	590.4	18.890	66.00	68.0	3.7

LOCATION: PENDLETON AMS, OREGON
02S/34E/27BD

15

HOLE NUMBER: JL-NW

DATE MEASURED: 06/01/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100
20.0	65.6	6.590	43.86	.0	.0
40.0	131.2	7.480	45.46	44.5	2.4
60.0	196.8	8.010	46.42	26.5	1.5
80.0	262.4	8.980	48.16	48.5	2.7
100.0	328.0	10.120	50.22	57.0	3.1
120.0	393.6	11.130	52.03	50.5	2.8
140.0	459.2	11.530	52.75	20.0	1.1
160.0	524.8	12.430	54.37	45.0	2.5
175.0	574.0	12.850	55.13	28.0	1.5
180.0	590.4	13.000	55.40	30.0	1.6
185.0	606.8	13.300	55.94	60.0	3.3
190.0	623.2	13.440	56.19	28.0	1.5
195.0	639.6	13.530	56.35	18.0	1.0
200.0	656.0	13.660	56.59	26.0	1.4
205.0	672.4	13.850	56.93	38.0	2.1
210.0	688.8	14.130	57.43	56.0	3.1
215.0	705.2	14.280	57.70	30.0	1.6
220.0	721.6	14.480	58.06	40.0	2.2
225.0	738.0	14.730	58.51	50.0	2.7
230.0	754.4	14.820	58.68	18.0	1.0
235.0	770.8	14.970	58.95	30.0	1.6
240.0	787.2	15.550	59.99	116.0	6.4
245.0	803.6	15.840	60.51	58.0	3.2
250.0	820.0	16.240	61.23	80.0	4.4
255.0	836.4	16.290	61.32	10.0	.5
260.0	852.8	16.350	61.43	12.0	.7
265.0	869.2	16.400	61.52	10.0	.5
270.0	885.6	16.470	61.65	14.0	.8
275.0	902.0	16.540	61.77	14.0	.8
280.0	918.4	16.620	61.92	16.0	.9

LOCATION: VANCOUVER AMS, OREGON

16

35/ 24/1200

HOLE NUMBER: BN-WW

DATE MEASURED: 9/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	10.640	51.15	.0	.0
30.0	98.4	10.380	50.68	-26.0	-1.4
40.0	131.2	10.210	50.38	-17.0	-.9
50.0	164.0	10.080	50.14	-13.0	-.7
60.0	196.8	9.980	49.96	-10.0	-.5
70.0	229.6	9.910	49.84	-7.0	-.4
80.0	262.4	9.970	49.95	6.0	.3
90.0	295.2	9.940	49.89	-3.0	-.2
100.0	328.0	10.110	50.20	17.0	.9
110.0	360.8	10.140	50.25	3.0	.2
120.0	426.4	10.330	50.59	9.5	.5
130.0	492.0	10.410	50.74	4.0	.2
135.0	508.4	10.480	50.86	14.0	.8
160.0	524.8	10.510	50.92	6.0	.3
165.0	541.2	10.590	51.06	16.0	.9
170.0	557.6	10.640	51.15	10.0	.5
175.0	574.0	10.760	51.37	24.0	1.3
180.0	590.4	10.880	51.58	24.0	1.3
185.0	606.8	10.980	51.76	20.0	1.1
190.0	623.2	11.130	52.03	30.0	1.6
195.0	639.6	11.290	52.32	32.0	1.8
200.0	656.0	11.470	52.65	36.0	2.0
205.0	672.4	11.600	52.88	26.0	1.4

LOCATION: THE DALLES AMS, OREGON
3S/ 9E/ 6DD

17

HOLE NUMBER: CR-HH

DATE MEASURED: 9/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	3.300	37.94	.0	.0
10.0	32.8	2.630	36.73	-134.0	-7.4
15.0	49.2	2.250	36.05	-76.0	-4.2
20.0	65.6	3.080	37.54	166.0	9.1
25.0	82.0	3.550	38.39	94.0	5.2
30.0	98.4	3.770	38.79	44.0	2.4
35.0	114.8	4.060	39.31	58.0	3.2
40.0	131.2	4.920	40.86	172.0	9.4
45.0	147.6	2.520	36.54	-480.0	-26.3
50.0	164.0	2.380	36.28	-28.0	-1.5
55.0	180.4	2.580	36.64	40.0	2.2
60.0	196.8	2.620	36.72	8.0	.4
65.0	213.2	2.720	36.90	20.0	1.1
70.0	229.6	2.730	36.91	2.0	.1
75.0	246.0	2.700	36.86	-6.0	-.3
80.0	262.4	2.650	36.77	-10.0	-.5
85.0	278.8	2.600	36.68	-10.0	-.5
90.0	295.2	2.620	36.72	4.0	.2
95.0	311.6	2.640	36.75	4.0	.2
100.0	328.0	2.680	36.82	8.0	.4
105.0	344.4	2.600	36.68	-16.0	-.9
110.0	360.8	2.760	36.97	32.0	1.8
115.0	377.2	3.030	37.45	54.0	3.0

LOCATION: PENDLETON AMS, OREGON

03S/32E/09AC

18

HOLE NUMBER: PG-WW

DATE MEASURED: 11/05/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.320	50.58	.0	.0
15.0	49.2	10.130	50.23	-38.0	-2.1
20.0	65.6	10.120	50.22	-2.0	-.1
25.0	82.0	10.150	50.27	6.0	.3
30.0	98.4	10.190	50.34	8.0	.4
35.0	114.8	10.260	50.47	14.0	.8
40.0	131.2	10.370	50.67	22.0	1.2
45.0	147.6	10.480	50.86	22.0	1.2
50.0	164.0	10.600	51.08	24.0	1.3
55.0	180.4	10.720	51.30	24.0	1.3
60.0	196.8	10.850	51.53	26.0	1.4
65.0	213.2	10.980	51.76	26.0	1.4
70.0	229.6	11.100	51.98	24.0	1.3
75.0	246.0	11.270	52.29	34.0	1.9
80.0	262.4	11.390	52.50	24.0	1.3
85.0	278.8	11.530	52.75	28.0	1.5
90.0	295.2	11.680	53.02	30.0	1.6
95.0	311.6	11.870	53.37	38.0	2.1
100.0	328.0	12.060	53.71	38.0	2.1
105.0	344.4	12.230	54.01	34.0	1.9

LOCATION: VANCOUVER AMS, OREGON
06S/01E/13DA

19

HOLE NUMBER: TWW

DATE MEASURED: 12/26/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.120	52.02	.0	.0
15.0	49.2	11.410	52.54	58.0	3.2
20.0	65.6	11.470	52.65	12.0	.7
25.0	82.0	11.550	52.79	16.0	.9
30.0	98.4	11.650	52.97	20.0	1.1
35.0	114.8	11.750	53.15	20.0	1.1
40.0	131.2	11.890	53.40	28.0	1.5
45.0	147.6	12.020	53.64	26.0	1.4
50.0	164.0	12.150	53.87	26.0	1.4
55.0	180.4	12.280	54.10	26.0	1.4
60.0	196.8	12.410	54.34	26.0	1.4
65.0	213.2	12.540	54.57	26.0	1.4
70.0	229.6	12.660	54.79	24.0	1.3
75.0	246.0	12.790	55.02	26.0	1.4
80.0	262.4	12.920	55.26	26.0	1.4
85.0	278.8	13.060	55.51	28.0	1.5
90.0	295.2	13.200	55.76	28.0	1.5
95.0	311.6	13.340	56.01	28.0	1.5
100.0	328.0	13.510	56.32	34.0	1.9
105.0	344.4	13.670	56.61	32.0	1.8
110.0	360.8	13.800	56.84	26.0	1.4
115.0	377.2	13.970	57.15	34.0	1.9
120.0	393.6	14.150	57.47	36.0	2.0
125.0	410.0	14.340	57.81	38.0	2.1
130.0	426.4	14.510	58.12	34.0	1.9
135.0	442.8	14.730	58.51	44.0	2.4
140.0	459.2	14.910	58.84	36.0	2.0

LOCATION: VANCOUVER AMS, OREGON
06S/01E/35CB

20

HOLE NUMBER: MC-NW

DATE MEASURED: 10/06/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
30.0	98.4	11.530	52.75	.0	.0
40.0	131.2	11.370	52.47	-16.0	-.9
50.0	164.0	11.410	52.54	4.0	.2
55.0	180.4	11.420	52.56	2.0	.1
60.0	196.8	11.470	52.65	10.0	.5
65.0	213.2	11.500	52.70	6.0	.3
70.0	229.6	11.560	52.81	12.0	.7
75.0	246.0	11.680	53.02	24.0	1.3
80.0	262.4	11.760	53.17	16.0	.9
85.0	278.8	11.860	53.35	20.0	1.1
90.0	295.2	11.990	53.58	26.0	1.4
95.0	311.6	12.100	53.78	22.0	1.2
100.0	328.0	12.240	54.03	28.0	1.5
105.0	344.4	12.380	54.28	28.0	1.5
110.0	360.8	12.510	54.52	26.0	1.4
115.0	377.2	12.670	54.81	32.0	1.8
120.0	393.6	12.800	55.04	26.0	1.4
125.0	410.0	12.960	55.33	32.0	1.8
130.0	426.4	13.120	55.62	32.0	1.8
135.0	442.8	13.290	55.92	34.0	1.9
140.0	459.2	13.440	56.19	30.0	1.6
145.0	475.6	13.580	56.44	28.0	1.5
150.0	492.0	13.720	56.70	28.0	1.5
155.0	508.4	13.880	56.98	32.0	1.8
160.0	524.8	14.030	57.25	30.0	1.6
165.0	541.2	14.180	57.52	30.0	1.6
170.0	557.6	14.350	57.83	34.0	1.9
175.0	574.0	14.520	58.14	34.0	1.9
180.0	590.4	14.690	58.44	34.0	1.9
185.0	606.8	14.870	58.77	36.0	2.0
190.0	623.2	15.040	59.07	34.0	1.9
195.0	639.6	15.180	59.32	28.0	1.5

LOCATION: VANCOUVER AMS, OREGON
06S/02E/18BA

21

HOLE NUMBER: QNW

DATE MEASURED: 10/06/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.200	50.36	.0	.0
15.0	49.2	10.260	50.47	12.0	.7
20.0	65.6	10.310	50.56	10.0	.5
25.0	82.0	10.350	50.63	8.0	.4
30.0	98.4	10.390	50.70	8.0	.4
35.0	114.8	10.420	50.76	6.0	.3
40.0	131.2	10.480	50.86	12.0	.7
45.0	147.6	10.530	50.95	10.0	.5
50.0	164.0	10.580	51.04	10.0	.5
55.0	180.4	10.660	51.19	16.0	.9
60.0	196.8	10.800	51.44	28.0	1.5
65.0	213.2	10.930	51.67	26.0	1.4
70.0	229.6	11.080	51.94	30.0	1.6
75.0	246.0	11.260	52.27	36.0	2.0
80.0	262.4	11.400	52.52	28.0	1.5
85.0	278.8	11.530	52.75	26.0	1.4
90.0	295.2	11.660	52.99	26.0	1.4

LOCATION: VANCOUVER AMS, OREGON
6S/ 6E/23CA1

HOLE NUMBER: DH-5000

DATE MEASURED: 11/ 4/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.060	44.71	.0	.0
12.5	41.0	7.820	46.08	304.0	16.7
15.0	49.2	8.090	46.56	108.0	5.9
17.5	57.4	8.230	46.81	56.0	3.1
20.0	65.6	8.450	47.21	88.0	4.8
22.5	73.8	8.600	47.48	60.0	3.3

LOCATION: VANCOUVER AMS, OREGON
6S/ 6E/23CA2

22

HOLE NUMBER: DH-5001

DATE MEASURED: 11/ 4/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.790	46.02	.0	.0
12.5	41.0	7.805	46.05	6.0	.3
15.0	49.2	7.820	46.08	6.0	.3
17.5	57.4	7.835	46.10	6.0	.3
20.0	65.6	7.850	46.13	6.0	.3
22.5	73.8	7.875	46.17	10.0	.5
25.0	82.0	8.065	46.52	76.0	4.2
27.0	88.6	8.290	46.92	112.5	6.2

LOCATION: VANCOUVER AMS, OREGON
6S/ 6E/34CD

HOLE NUMBER: CR-COR

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.650	49.37	.0	.0
15.0	49.2	9.970	49.95	64.0	3.5
20.0	65.6	10.380	50.68	82.0	4.5
25.0	82.0	10.720	51.30	68.0	3.7
30.0	98.4	11.210	52.18	98.0	5.4
35.0	114.8	11.530	52.75	64.0	3.5
40.0	131.2	12.020	53.64	98.0	5.4
45.0	147.6	12.380	54.28	72.0	4.0
50.0	164.0	12.830	55.09	90.0	4.9
55.0	180.4	13.330	55.99	100.0	5.5
60.0	196.8	13.700	56.66	74.0	4.1
65.0	213.2	14.160	57.49	92.0	5.0
70.0	229.6	14.520	58.14	72.0	4.0
75.0	246.0	14.930	58.87	82.0	4.5
80.0	262.4	15.370	59.67	38.0	4.8
85.0	278.8	15.750	60.35	76.0	4.2
90.0	295.2	16.160	61.09	82.0	4.5
95.0	311.6	16.590	61.86	86.0	4.7
100.0	328.0	16.990	62.58	80.0	4.4
105.0	344.4	17.390	63.30	80.0	4.4
110.0	360.8	17.810	64.06	84.0	4.6
115.0	377.2	18.190	64.74	76.0	4.2
120.0	393.6	18.540	65.37	70.0	3.8
125.0	410.0	18.960	66.13	84.0	4.6
130.0	426.4	19.290	66.72	66.0	3.6
135.0	442.8	19.700	67.46	82.0	4.5
140.0	459.2	20.110	68.20	82.0	4.5
145.0	475.6	20.530	68.95	84.0	4.6
150.0	492.0	20.920	69.66	78.0	4.3

LOCATION: VANCOUVER AMS, OREGON

6S/ 7E/30BB

23

HOLE NUMBER: CR-AHS

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	16.640	61.95	.0	.0
10.0	32.8	18.010	64.42	274.0	15.0
15.0	49.2	19.930	67.87	384.0	21.1
20.0	65.6	21.760	71.17	366.0	20.1
25.0	82.0	23.610	74.50	370.0	20.3
30.0	98.4	25.540	77.97	386.0	21.2
35.0	114.8	27.400	81.32	372.0	20.4
40.0	131.2	29.170	84.51	354.0	19.4
45.0	147.6	31.710	89.08	508.0	27.9
50.0	164.0	33.070	91.53	272.0	14.9
55.0	180.4	34.420	93.96	270.0	14.8
60.0	196.8	35.700	96.26	256.0	14.0
65.0	213.2	37.100	98.78	280.0	15.4
70.0	229.6	38.590	101.46	298.0	16.4
75.0	246.0	39.830	103.69	248.0	13.6
80.0	262.4	41.510	106.72	336.0	18.4
85.0	278.8	43.250	109.85	348.0	19.1
90.0	295.2	44.630	112.33	276.0	15.1
95.0	311.6	45.980	114.76	270.0	14.8
100.0	328.0	47.220	117.00	248.0	13.6
105.0	344.4	48.500	119.30	256.0	14.0
110.0	360.8	49.730	121.51	246.0	13.5
115.0	377.2	50.930	123.67	240.0	13.2
120.0	393.6	52.100	125.78	234.0	12.8
125.0	410.0	53.250	127.85	230.0	12.6
130.0	426.4	54.400	129.92	230.0	12.6
135.0	442.8	55.290	131.52	178.0	9.8

LOCATION: SALEM AMS, OREGON
7S/ 5E/22AA

24

HOLE NUMBER: CR-BHS
DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	7.000	44.60	.0	.0
10.0	32.8	7.340	45.21	68.0	3.7
15.0	49.2	7.420	45.36	16.0	.9
20.0	65.6	7.680	45.82	52.0	2.9
25.0	82.0	8.000	46.40	64.0	3.5
30.0	98.4	8.380	47.08	76.0	4.2
35.0	114.8	8.740	47.73	72.0	4.0
40.0	131.2	9.080	48.34	68.0	3.7
45.0	147.6	9.670	49.41	118.0	6.5
50.0	164.0	10.210	50.38	108.0	5.9
55.0	180.4	10.560	51.01	70.0	3.8
60.0	196.8	10.910	51.64	70.0	3.8
65.0	213.2	11.260	52.27	70.0	3.8
70.0	229.6	11.730	53.11	94.0	5.2
75.0	246.0	12.200	53.96	94.0	5.2
80.0	262.4	12.590	54.66	78.0	4.3
85.0	278.8	13.070	55.53	96.0	5.3
90.0	295.2	13.520	56.34	90.0	4.9

LOCATION: SALEM AMS, OREGON
08S/02W/ 3CB

HOLE NUMBER: MWV
DATE MEASURED: 08/10/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.880	51.58	.0	.0
12.5	41.0	10.860	51.55	-8.0	-.4
15.0	49.2	10.890	51.60	12.0	.7
17.5	57.4	10.910	51.64	8.0	.4
20.0	65.6	10.950	51.71	16.0	.9
22.5	73.8	10.980	51.76	12.0	.7
25.0	82.0	11.020	51.84	16.0	.9
27.5	90.2	11.130	52.03	44.0	2.4
30.0	98.4	11.290	52.32	64.0	3.5
32.5	106.6	11.450	52.61	64.0	3.5
35.0	114.8	11.640	52.95	76.0	4.2
37.5	123.0	11.690	53.04	20.0	1.1

LOCATION: SALEM AMS, OREGON

25

8S/ 2W/243C

HOLE NUMBER: CWW

DATE MEASURED: 08/10/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.510	52.72	.0	.0
20.0	65.6	12.020	53.64	51.0	2.8
22.5	73.8	12.060	53.71	16.0	.9
25.0	82.0	12.120	53.82	24.0	1.3
27.5	90.2	12.190	53.94	28.0	1.5
30.0	98.4	12.250	54.05	24.0	1.3
32.5	106.6	12.310	54.16	24.0	1.3
35.0	114.8	12.370	54.27	24.0	1.3
37.5	123.0	12.430	54.37	24.0	1.3
40.0	131.2	12.490	54.48	24.0	1.3
42.5	139.4	12.550	54.59	24.0	1.3
45.0	147.6	12.620	54.72	28.0	1.5
47.5	155.8	12.680	54.82	24.0	1.3
50.0	164.0	12.740	54.93	24.0	1.3
52.5	172.2	12.790	55.02	20.0	1.1
55.0	180.4	12.840	55.11	20.0	1.1
57.5	188.6	12.940	55.29	40.0	2.2
60.0	196.8	13.000	55.40	24.0	1.3

LOCATION: SALEM AMS, OREGON

08S/01W/323B

HOLE NUMBER: SWW

DATE MEASURED: 09/27/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	12.130	53.83	.0	.0
17.5	57.4	12.400	54.32	108.0	5.9
20.0	65.6	12.460	54.43	24.0	1.3
22.5	73.8	12.540	54.57	32.0	1.8
25.0	82.0	12.650	54.77	44.0	2.4
27.5	90.2	12.740	54.93	36.0	2.0
30.0	98.4	12.870	55.17	52.0	2.9
32.5	106.6	12.940	55.29	28.0	1.5
35.0	114.8	13.080	55.54	56.0	3.1
37.5	123.0	13.180	55.72	40.0	2.2
40.0	131.2	13.260	55.87	32.0	1.8
42.5	139.4	13.350	56.03	36.0	2.0
45.0	147.6	13.430	56.17	32.0	1.8
47.5	155.8	13.500	56.30	28.0	1.5
50.0	164.0	13.600	56.48	40.0	2.2
55.0	180.4	13.750	56.75	30.0	1.6
60.0	196.8	13.910	57.04	32.0	1.8
65.0	213.2	14.100	57.38	38.0	2.1
70.0	229.6	14.300	57.74	40.0	2.2
75.0	246.0	14.450	58.01	30.0	1.6
80.0	262.4	14.590	58.26	28.0	1.5

LOCATION: SALEM AMS, OREGON
08S/01E/08DB

26

HOLE NUMBER: H1-WW

DATE MEASURED: 10/28/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	10.660	51.19	.0	.0
25.0	82.0	10.680	51.22	4.0	.2
30.0	98.4	10.700	51.26	4.0	.2
35.0	114.8	10.710	51.28	2.0	.1
40.0	131.2	10.730	51.31	4.0	.2
45.0	147.6	10.740	51.33	2.0	.1
50.0	164.0	10.760	51.37	4.0	.2
55.0	180.4	10.770	51.39	2.0	.1
60.0	196.8	10.790	51.42	4.0	.2
65.0	213.2	10.810	51.46	4.0	.2
70.0	229.6	10.820	51.48	2.0	.1
75.0	246.0	10.840	51.51	4.0	.2
80.0	262.4	10.860	51.55	4.0	.2
85.0	278.8	10.880	51.58	4.0	.2
90.0	295.2	11.810	53.26	186.0	10.2
95.0	311.6	12.430	54.37	124.0	6.8
100.0	328.0	12.590	54.66	32.0	1.8
105.0	344.4	12.720	54.90	26.0	1.4
110.0	360.8	12.870	55.17	30.0	1.6
115.0	377.2	13.040	55.47	34.0	1.9
120.0	393.6	13.160	55.69	24.0	1.3
125.0	410.0	13.280	55.90	24.0	1.3
130.0	426.4	13.440	56.19	32.0	1.8
135.0	442.8	13.520	56.34	16.0	.9
140.0	459.2	13.710	56.68	38.0	2.1
145.0	475.6	13.840	56.91	26.0	1.4
150.0	492.0	13.950	57.11	22.0	1.2
155.0	508.4	14.080	57.34	26.0	1.4
160.0	524.8	14.200	57.56	24.0	1.3
165.0	541.2	14.380	57.88	36.0	2.0
170.0	557.6	14.540	58.17	32.0	1.8
175.0	574.0	14.670	58.41	26.0	1.4
180.0	590.4	14.790	58.62	24.0	1.3
185.0	606.8	14.940	58.89	30.0	1.6
190.0	623.2	15.090	59.16	30.0	1.6
195.0	639.6	15.240	59.43	30.0	1.6
200.0	656.0	15.380	59.68	28.0	1.5
205.0	672.4	15.490	59.88	22.0	1.2
210.0	688.8	15.570	60.03	16.0	.9
215.0	705.2	15.790	60.42	44.0	2.4

LOCATION: SALEM AMS, OREGON
 08S/01E/17DA
 HOLE NUMBER: SM-WW
 DATE MEASURED: 10/06/76

27

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
30.0	98.4	11.000	51.80	.0	.0
40.0	131.2	11.020	51.84	2.0	.1
50.0	164.0	11.050	51.89	3.0	.2
60.0	196.8	11.130	52.03	8.0	.4
65.0	213.2	11.400	52.52	54.0	3.0
70.0	229.6	11.500	52.70	20.0	1.1
75.0	246.0	11.660	52.99	32.0	1.8
80.0	262.4	11.810	53.26	30.0	1.6
85.0	278.8	12.050	53.69	48.0	2.6
90.0	295.2	12.390	54.30	68.0	3.7
95.0	311.6	12.680	54.82	58.0	3.2
100.0	328.0	12.920	55.26	48.0	2.6
105.0	344.4	13.150	55.67	46.0	2.5
110.0	360.8	13.280	55.90	26.0	1.4

LOCATION: SALEM AMS, OREGON
 09S/01E/16AD
 HOLE NUMBER: CL-WW
 DATE MEASURED: 10/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.870	53.37	.0	.0
12.5	41.0	11.790	53.22	-32.0	-1.8
15.0	49.2	11.770	53.19	-8.0	-.4
17.5	57.4	11.790	53.22	8.0	.4
20.0	65.6	11.820	53.28	12.0	.7
22.5	73.8	11.860	53.35	16.0	.9
25.0	82.0	11.880	53.38	8.0	.4

LOCATION: SALEM AMS, OREGON
9S/ 2E/21DA

28

HOLE NUMBER: 31-WW
DATE MEASURED: 10/07/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.260	47.95	.0	.0
15.0	49.2	9.240	48.63	76.0	4.2
17.5	57.4	9.310	48.76	28.0	1.5
20.0	65.6	9.380	48.88	28.0	1.5
22.5	73.8	9.460	49.03	32.0	1.8
25.0	82.0	9.610	49.30	60.0	3.3
27.5	90.2	9.700	49.46	36.0	2.0
30.0	98.4	9.830	49.69	52.0	2.9
32.5	106.6	9.970	49.95	56.0	3.1
35.0	114.8	10.090	50.16	48.0	2.6
37.5	123.0	10.200	50.36	44.0	2.4
40.0	131.2	10.290	50.52	36.0	2.0
42.5	139.4	10.390	50.70	40.0	2.2
45.0	147.6	10.710	51.28	128.0	7.0
47.5	155.8	10.860	51.55	60.0	3.3

LOCATION: SALEM AMS, OREGON
9S/03E/11BA

HOLE NUMBER: EV2-WW
DATE MEASURED: 10/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.250	50.45	.0	.0
12.5	41.0	10.170	50.31	-32.0	-1.8
15.0	49.2	10.190	50.34	8.0	.4
17.5	57.4	10.200	50.36	4.0	.2
20.0	65.6	10.210	50.38	4.0	.2
22.5	73.8	10.210	50.38	.0	.0
25.0	82.0	10.200	50.36	-4.0	-.2
27.0	88.6	10.200	50.36	.0	.0
30.0	98.4	10.200	50.36	.0	.0
32.5	106.6	10.220	50.40	8.0	.4
35.0	114.8	10.230	50.41	4.0	.2
37.0	121.4	10.250	50.45	10.0	.5
40.0	131.2	10.290	50.52	13.3	.7
42.5	139.4	10.320	50.58	12.0	.7
45.0	147.6	10.350	50.63	12.0	.7
47.5	155.8	10.380	50.68	12.0	.7
50.0	164.0	10.510	50.92	52.0	2.9
52.5	172.2	10.530	50.95	8.0	.4
55.0	180.4	10.580	51.04	20.0	1.1
57.5	188.6	10.640	51.15	24.0	1.3
60.0	196.8	10.690	51.24	20.0	1.1
65.0	213.2	10.830	51.49	28.0	1.5
70.0	229.6	10.980	51.76	30.0	1.6
75.0	246.0	11.150	52.07	34.0	1.9
80.0	262.4	11.250	52.25	20.0	1.1
85.0	278.8	11.450	52.61	40.0	2.2

LOCATION: SALEM AMS, OREGON

29

9S/ 3E/11CB

HOLE NUMBER: EV1-WW

DATE MEASURED: 10/07/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.750	47.75	.0	.0
12.5	41.0	8.850	47.93	40.0	2.2
15.0	49.2	8.970	48.15	48.0	2.6
17.5	57.4	9.110	48.40	56.0	3.1
20.0	65.6	9.240	48.63	52.0	2.9
22.5	73.8	9.340	48.81	40.0	2.2
25.0	82.0	9.450	49.01	44.0	2.4
27.5	90.2	9.510	49.12	24.0	1.3
30.0	98.4	9.590	49.26	32.0	1.8
32.5	106.6	9.660	49.39	28.0	1.5
35.0	114.8	9.720	49.50	24.0	1.3
37.5	123.0	9.790	49.62	28.0	1.5
40.0	131.2	9.860	49.75	28.0	1.5
42.5	139.4	9.910	49.84	20.0	1.1
45.0	147.6	9.990	49.98	32.0	1.8
47.5	155.8	10.050	50.09	24.0	1.3
50.0	164.0	10.110	50.20	24.0	1.3
52.5	172.2	10.180	50.32	28.0	1.5
55.0	180.4	10.250	50.45	28.0	1.5
57.5	188.6	10.320	50.58	28.0	1.5
60.0	196.8	10.380	50.68	24.0	1.3

LOCATION: SALEM AMS, OREGON

9S/ 3E/28CB

HOLE NUMBER: GR-WW

DATE MEASURED: 10/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	10.500	50.90	.0	.0
17.5	57.4	10.520	50.94	8.0	.4
20.0	65.6	10.570	51.03	20.0	1.1
22.5	73.8	10.620	51.12	20.0	1.1
25.0	82.0	10.660	51.19	16.0	.9
27.5	90.2	10.710	51.28	20.0	1.1
30.0	98.4	10.750	51.35	16.0	.9
32.5	106.6	10.790	51.42	16.0	.9
35.0	114.8	10.840	51.51	20.0	1.1
37.5	123.0	10.910	51.64	28.0	1.5
40.0	131.2	11.020	51.84	44.0	2.4
42.5	139.4	11.170	52.11	60.0	3.3
45.0	147.6	11.220	52.20	20.0	1.1
47.5	155.8	11.300	52.34	32.0	1.8
50.0	164.0	11.390	52.50	36.0	2.0
52.5	172.2	11.460	52.63	28.0	1.5
55.0	180.4	11.700	53.06	96.0	5.3

LOCATION: SALEM AMS, OREGON

30

9S/ 6E/238B

HOLE NUMBER: CR-3W

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.380	50.68	.0	.0
10.0	32.8	9.080	48.34	-250.0	14.3
15.0	49.2	9.190	48.54	22.0	1.2
20.0	65.6	9.430	48.97	48.0	2.6
25.0	82.0	9.450	49.01	4.0	.2
30.0	98.4	9.700	49.46	50.0	2.7
35.0	114.8	10.010	50.02	62.0	3.4
40.0	131.2	10.290	50.52	56.0	3.1
45.0	147.6	10.640	51.15	70.0	3.8
50.0	164.0	10.980	51.76	68.0	3.7
55.0	180.4	11.300	52.34	64.0	3.5
60.0	196.8	11.620	52.92	64.0	3.5
65.0	213.2	11.950	53.51	66.0	3.6
70.0	229.6	12.330	54.19	76.0	4.2
75.0	246.0	12.660	54.79	66.0	3.6
80.0	262.4	13.010	55.42	70.0	3.8
85.0	278.8	13.340	56.01	66.0	3.6
90.0	295.2	13.680	56.62	68.0	3.7
95.0	311.6	14.070	57.33	78.0	4.3
100.0	328.0	14.420	57.96	70.0	3.8
105.0	344.4	14.710	58.48	58.0	3.2

LOCATION: BEND AMS, OREGON
9S/ 7E/21AD
HOLE NUMBER: CR-6BHSE
DATE MEASURED: 9/30/76

31

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	8.550	47.39	.0	.0
10.0	32.8	8.200	46.76	-70.0	-3.8
15.0	49.2	9.090	48.36	178.0	9.8
20.0	65.6	9.430	48.97	68.0	3.7
25.0	82.0	9.800	49.64	74.0	4.1
30.0	98.4	10.080	50.14	56.0	3.1
35.0	114.8	10.530	50.95	20.0	4.9
40.0	131.2	11.170	52.11	128.0	7.0
45.0	147.6	11.740	53.13	114.0	6.3
50.0	164.0	12.390	54.30	130.0	7.1
55.0	180.4	13.070	55.53	136.0	7.5
60.0	196.8	13.620	56.52	110.0	6.0
65.0	213.2	14.140	57.45	104.0	5.7
70.0	229.6	14.820	58.68	136.0	7.5
75.0	246.0	15.070	59.13	50.0	2.7
80.0	262.4	15.570	60.03	100.0	5.5
85.0	278.8	16.110	61.00	108.0	5.9
90.0	295.2	16.480	61.66	74.0	4.1
95.0	311.6	16.990	62.58	102.0	5.6
100.0	328.0	17.520	63.54	106.0	5.8
105.0	344.4	17.890	64.20	74.0	4.1
110.0	360.8	18.350	65.03	92.0	5.0
115.0	377.2	18.800	65.84	90.0	4.9
120.0	393.6	19.270	66.69	94.0	5.2
125.0	410.0	19.630	67.33	72.0	4.0
130.0	426.4	19.990	67.98	72.0	4.0
135.0	442.8	20.660	69.19	134.0	7.4
140.0	459.2	21.120	70.02	92.0	5.0
145.0	475.6	21.630	70.93	102.0	5.6
150.0	492.0	22.230	72.01	120.0	6.6

LOCATION: SALEM AMS, OREGON
11S/01W/14DD

32

HOLE NUMBER: BL-WW

DATE MEASURED: 10/04/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.350	50.09	.0	.0
20.0	65.6	10.570	51.03	52.0	2.9
25.0	82.0	10.830	51.49	52.0	2.9
30.0	98.4	11.070	51.93	48.0	2.6
35.0	114.8	11.290	52.32	44.0	2.4
40.0	131.2	11.490	52.68	40.0	2.2
45.0	147.6	11.650	52.97	32.0	1.8
50.0	164.0	11.830	53.29	36.0	2.0
55.0	180.4	12.030	53.65	40.0	2.2
60.0	196.8	12.250	54.05	44.0	2.4
65.0	213.2	12.510	54.52	52.0	2.9
70.0	229.6	12.730	54.91	44.0	2.4
75.0	246.0	12.940	55.29	42.0	2.3
80.0	262.4	13.160	55.69	44.0	2.4
85.0	278.8	13.370	56.07	42.0	2.3
90.0	295.2	13.590	56.46	44.0	2.4
95.0	311.6	13.780	56.80	38.0	2.1
100.0	328.0	13.970	57.15	38.0	2.1
105.0	344.4	14.160	57.49	38.0	2.1
110.0	360.8	14.350	57.83	38.0	2.1
115.0	377.2	14.550	58.19	40.0	2.2
120.0	393.6	14.740	58.53	38.0	2.1
125.0	410.0	14.930	58.87	38.0	2.1

LOCATION: SALEM AMS, OREGON
 11S/01E/070A
 HOLE NUMBER: RL-WW
 DATE MEASURED: 10/13/76

33

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.340	52.41	.0	.0
12.5	41.0	11.420	52.56	32.0	1.8
15.0	49.2	11.510	52.72	36.0	2.0
17.5	57.4	11.560	52.81	20.0	1.1
20.0	65.6	11.620	52.92	24.0	1.3
22.5	73.8	11.650	52.97	12.0	.7
25.0	82.0	11.750	53.15	40.0	2.2
27.5	90.2	11.800	53.24	20.0	1.1
30.0	98.4	11.850	53.33	20.0	1.1
32.5	106.6	11.900	53.42	20.0	1.1
35.0	114.8	11.970	53.55	28.0	1.5
37.5	123.0	11.990	53.58	8.0	.4
40.0	131.2	12.000	53.60	4.0	.2
42.5	139.4	12.080	53.74	32.0	1.8
45.0	147.6	12.150	53.87	28.0	1.5
47.5	155.8	12.210	53.98	24.0	1.3
50.0	164.0	12.270	54.09	24.0	1.3
52.5	172.2	12.390	54.30	48.0	2.6
55.0	180.4	12.390	54.30	.0	.0
57.5	188.6	12.510	54.52	48.0	2.6

LOCATION: SALEM AMS, OREGON
 13S/ 2W/ 3AA
 HOLE NUMBER: TVR-WW
 DATE MEASURED: 08/25/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 F
10.0	32.8	10.390	50.70	.0	.0
15.0	49.2	10.200	50.36	-38.0	-2.1
20.0	65.6	10.140	50.25	-12.0	-.7
25.0	82.0	10.170	50.31	6.0	.3
30.0	98.4	10.220	50.40	10.0	.5
35.0	114.8	10.290	50.52	14.0	.8
40.0	131.2	10.390	50.70	20.0	1.1
45.0	147.6	10.540	50.97	30.0	1.6
50.0	164.0	10.690	51.24	30.0	1.6
55.0	180.4	10.870	51.57	36.0	2.0
60.0	196.8	11.060	51.91	38.0	2.1
65.0	213.2	11.180	52.12	24.0	1.3
70.0	229.6	11.310	52.36	26.0	1.4
75.0	246.0	11.450	52.61	28.0	1.5
80.0	262.4	11.600	52.88	30.0	1.6
85.0	278.8	11.730	53.11	26.0	1.4
90.0	295.2	11.830	53.29	20.0	1.1
95.0	311.6	11.990	53.58	32.0	1.8

LOCATION: SALEM AMS, OREGON
135/ 2W/18CB

34

HOLE NUMBER: WB-WW

DATE MEASURED: 08/25/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	9.800	49.64	.0	.0
20.0	65.6	9.960	49.93	32.0	1.8
25.0	82.0	10.100	50.18	28.0	1.5
30.0	98.4	10.280	50.50	36.0	2.0
35.0	114.8	10.410	50.74	26.0	1.4
40.0	131.2	10.570	51.03	32.0	1.8
45.0	147.6	10.690	51.24	24.0	1.3
50.0	164.0	10.820	51.48	26.0	1.4
55.0	180.4	10.950	51.71	26.0	1.4
60.0	196.8	11.060	51.91	22.0	1.2
65.0	213.2	11.170	52.11	22.0	1.2
70.0	229.6	11.270	52.29	20.0	1.1
75.0	246.0	11.370	52.47	20.0	1.1
80.0	262.4	11.470	52.65	20.0	1.1
85.0	278.8	11.560	52.81	18.0	1.0
90.0	295.2	11.650	52.97	18.0	1.0
95.0	311.6	11.740	53.13	18.0	1.0
100.0	328.0	11.820	53.28	16.0	.9
105.0	344.4	11.900	53.42	16.0	.9
110.0	360.8	11.980	53.56	16.0	.9
115.0	377.2	12.060	53.71	16.0	.9
120.0	393.6	12.140	53.85	16.0	.9
125.0	410.0	12.220	54.00	16.0	.9
130.0	426.4	12.300	54.14	16.0	.9
135.0	442.8	12.380	54.28	16.0	.9
140.0	459.2	12.460	54.43	16.0	.9
145.0	475.6	12.530	54.55	14.0	.8
150.0	492.0	12.600	54.68	14.0	.8
155.0	508.4	12.680	54.82	16.0	.9
160.0	524.8	12.760	54.97	16.0	.9
165.0	541.2	12.850	55.13	18.0	1.0
170.0	557.6	12.920	55.26	14.0	.8
175.0	574.0	12.990	55.38	14.0	.8
180.0	590.4	13.060	55.51	14.0	.8
185.0	606.8	13.140	55.65	16.0	.9
190.0	623.2	13.220	55.80	16.0	.9
195.0	639.6	13.410	56.14	38.0	2.1

LOCATION: SALEM AMS, OREGON

13S/01W/04CA

35

HOLE NUMBER: BM-WW

DATE MEASURED: 10/12/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	11.470	52.65	.0	.0
17.5	57.4	11.330	52.39	-36.0	-3.1
20.0	65.6	11.330	52.39	.0	.0
22.5	73.8	11.330	52.39	.0	.0
25.0	82.0	11.330	52.39	.0	.0
27.5	90.2	11.340	52.41	4.0	.2
30.0	98.4	11.340	52.41	.0	.0
32.5	106.6	11.350	52.43	4.0	.2
35.0	114.8	11.370	52.47	8.0	.4
37.5	123.0	11.380	52.48	4.0	.2
40.0	131.2	11.400	52.52	8.0	.4
42.5	139.4	11.420	52.56	8.0	.4
45.0	147.6	11.460	52.63	16.0	.9
47.5	155.8	11.480	52.66	8.0	.4
50.0	164.0	11.510	52.72	12.0	.7
52.5	172.2	11.490	52.68	-8.0	-.4

LOCATION: SALEM AMS, OREGON

13S/01W/08DB

HOLE NUMBER: RJ-WW

DATE MEASURED: 10/12/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.220	52.20	.0	.0
15.0	49.2	11.400	52.52	36.0	2.0
20.0	65.6	11.510	52.72	22.0	1.2
25.0	82.0	11.610	52.90	20.0	1.1
30.0	98.4	11.710	53.08	20.0	1.1
35.0	114.8	11.800	53.24	18.0	1.0
40.0	131.2	11.890	53.40	18.0	1.0
45.0	147.6	11.990	53.58	20.0	1.1
50.0	164.0	12.070	53.73	16.0	.9
55.0	180.4	12.150	53.87	16.0	.9
60.0	196.8	12.250	54.05	20.0	1.1
65.0	213.2	12.340	54.21	18.0	1.0
70.0	229.6	12.450	54.41	22.0	1.2
75.0	246.0	12.550	54.59	20.0	1.1
80.0	262.4	12.640	54.75	18.0	1.0
85.0	278.8	12.760	54.97	24.0	1.3
90.0	295.2	12.850	55.13	18.0	1.0
95.0	311.6	12.940	55.29	18.0	1.0

LOCATION: SALEM AMS, OREGON

13S/ 14W/10CA

HOLE NUMBER: BJ-WW

DATE MEASURED: 08/11/76

36

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.410	56.14	.0	.0
12.5	41.0	13.170	55.71	-96.0	-5.3
15.0	49.2	12.560	54.61	-244.0	-13.4
17.5	57.4	12.540	54.57	-8.0	-.4
20.0	65.6	12.550	54.59	4.0	.2
22.5	73.8	12.560	54.61	4.0	.2
25.0	82.0	12.600	54.68	16.0	.9
27.5	90.2	12.640	54.75	16.0	.9
30.0	98.4	12.670	54.81	12.0	.7
32.5	106.6	12.780	55.00	44.0	2.4
35.0	114.8	12.840	55.11	24.0	1.3
37.5	123.0	12.890	55.20	20.0	1.1
40.0	131.2	12.930	55.27	16.0	.9
42.5	139.4	12.970	55.35	16.0	.9
45.0	147.6	13.010	55.42	16.0	.9
47.5	155.8	13.140	55.65	52.0	2.9
50.0	164.0	13.170	55.71	12.0	.7
52.5	172.2	13.220	55.80	20.0	1.1
55.0	180.4	13.260	55.87	16.0	.9
57.5	188.6	13.310	55.96	20.0	1.1
60.0	196.8	13.420	56.16	44.0	2.4
62.5	205.0	13.470	56.25	20.0	1.1

LOCATION: SALEM AMS, OREGON

13S/01W/13DC

HOLE NUMBER: PV-WW

DATE MEASURED: 10/12/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	11.380	52.48	.0	.0
17.5	57.4	11.360	52.45	-8.0	-.4
20.0	65.6	11.390	52.50	12.0	.7
22.5	73.8	11.450	52.61	24.0	1.3
25.0	82.0	11.560	52.81	44.0	2.4
27.5	90.2	11.580	52.84	8.0	.4
30.0	98.4	11.220	52.20	-144.0	-7.9
32.5	106.6	11.160	52.09	-24.0	-1.3

LOCATION: SALEM AMS, OREGON
13S/ 1E/20BA

37

HOLE NUMBER: MR-WW

DATE MEASURED: 08/11/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
30.0	98.4	11.160	52.09	.0	.0
40.0	131.2	11.220	52.20	6.0	.3
50.0	164.0	11.250	52.25	3.0	.2
60.0	196.8	11.300	52.34	5.0	.3
70.0	229.6	11.480	52.66	18.0	1.0
80.0	262.4	11.620	52.92	14.0	.8
90.0	295.2	11.770	53.19	15.0	.8
100.0	328.0	12.030	53.65	26.0	1.4
110.0	360.8	12.490	54.48	46.0	2.5
120.0	393.6	12.680	54.82	19.0	1.0
125.0	410.0	12.940	55.29	52.0	2.9
130.0	426.4	13.110	55.60	34.0	1.9

LOCATION: SALEM AMS, OREGON
13S/ 1E/35AB

HOLE NUMBER: MW

DATE MEASURED: 08/11/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.070	50.13	.0	.0
20.0	65.6	10.620	51.12	55.0	3.0
25.0	82.0	10.630	51.13	2.0	.1
30.0	98.4	10.680	51.22	10.0	.5
35.0	114.8	10.730	51.31	10.0	.5
40.0	131.2	10.790	51.42	12.0	.7
45.0	147.6	10.860	51.55	14.0	.8
50.0	164.0	10.940	51.69	16.0	.9
55.0	180.4	11.020	51.84	16.0	.9
60.0	196.8	11.100	51.98	16.0	.9
65.0	213.2	11.240	52.23	28.0	1.5
70.0	229.6	11.340	52.41	20.0	1.1
75.0	246.0	11.470	52.65	26.0	1.4
80.0	262.4	11.590	52.86	24.0	1.3
85.0	278.8	11.720	53.10	26.0	1.4
90.0	295.2	11.860	53.35	28.0	1.5
95.0	311.6	12.010	53.62	30.0	1.6
100.0	328.0	12.180	53.92	34.0	1.9
105.0	344.4	12.340	54.21	32.0	1.8
110.0	360.8	12.500	54.50	32.0	1.8
115.0	377.2	12.660	54.79	32.0	1.8
120.0	393.6	12.820	55.08	32.0	1.8
125.0	410.0	12.960	55.33	28.0	1.5
130.0	426.4	13.120	55.62	32.0	1.8
135.0	442.8	13.270	55.89	30.0	1.6
140.0	459.2	13.440	56.19	34.0	1.9
145.0	475.6	13.620	56.52	36.0	2.0
150.0	492.0	13.810	56.86	38.0	2.1

LOCATION: SALEM AMS, OREGON
 14S/03W/24DC
 HOLE NUMBER: NWW
 DATE MEASURED: 10/01/76

38

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.310	54.16	.0	.0
12.5	41.0	12.370	54.27	24.0	1.3
15.0	49.2	12.410	54.34	16.0	.9
17.5	57.4	12.520	54.54	44.0	2.4
20.0	65.6	12.550	54.59	12.0	.7
22.5	73.8	12.600	54.68	20.0	1.1
25.0	82.0	12.660	54.79	24.0	1.3
27.5	90.2	12.710	54.88	20.0	1.1
30.0	98.4	12.780	55.00	28.0	1.5
32.5	106.6	12.850	55.13	28.0	1.5
35.0	114.8	12.890	55.20	16.0	.9
37.5	123.0	12.970	55.35	32.0	1.8
40.0	131.2	13.060	55.51	36.0	2.0
42.5	139.4	13.110	55.60	20.0	1.1
45.0	147.6	13.180	55.72	28.0	1.5
47.5	155.8	13.230	55.81	20.0	1.1
50.0	164.0	13.400	56.12	68.0	3.7
52.5	172.2	13.450	56.21	20.0	1.1
55.0	180.4	13.500	56.30	20.0	1.1
57.5	188.6	13.570	56.43	28.0	1.5

LOCATION: SALEM AMS, OREGON
 16S/ 2E/263C1
 HOLE NUMBER: DH-22
 DATE MEASURED: 11/26/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.390	48.90	.0	.0
15.0	49.2	9.660	49.39	54.0	3.0
20.0	65.6	9.900	49.82	48.0	2.6
25.0	82.0	10.020	50.04	24.0	1.3
30.0	98.4	10.150	50.27	26.0	1.4
34.5	113.2	10.260	50.47	24.4	1.3

LOCATION: SALEM AMS, OREGON
 16S/ 2E/26BC2
 HOLE NUMBER: DH-9Z
 DATE MEASURED: 11/26/75

39

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	8.920	48.06	.0	.0
10.0	32.8	8.800	47.84	-24.0	-1.3
15.0	49.2	9.540	49.17	148.0	8.1
20.0	65.6	9.820	49.68	56.0	3.1
25.0	82.0	10.000	50.00	36.0	2.0
26.5	86.9	10.050	50.09	33.3	1.8

LOCATION: SALEM AMS, OREGON
 16S/ 6E/ 2CA
 HOLE NUMBER: CR-FP
 DATE MEASURED: 9/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	7.600	45.68	.0	.0
10.0	32.8	7.270	45.09	-56.0	-3.6
15.0	49.2	7.470	45.45	40.0	2.2
20.0	65.6	7.440	45.39	-6.0	-.3
25.0	82.0	7.550	45.59	22.0	1.2
30.0	98.4	7.690	45.84	28.0	1.5
35.0	114.8	7.900	46.22	42.0	2.3
40.0	131.2	7.990	46.38	18.0	1.0
45.0	147.6	8.150	46.67	32.0	1.8
50.0	164.0	8.260	46.87	22.0	1.2
55.0	180.4	8.440	47.19	36.0	2.0
60.0	196.8	8.690	47.64	50.0	2.7
65.0	213.2	8.820	47.88	26.0	1.4
70.0	229.6	9.080	48.34	52.0	2.9
75.0	246.0	9.280	48.70	40.0	2.2
80.0	262.4	9.540	49.17	52.0	2.9
85.0	278.8	9.740	49.53	40.0	2.2
90.0	295.2	10.210	50.38	34.0	5.2
95.0	311.6	10.500	50.90	58.0	3.2
100.0	328.0	10.810	51.46	62.0	3.4
105.0	344.4	11.080	51.94	54.0	3.0
110.0	360.8	11.450	52.61	74.0	4.1
115.0	377.2	11.810	53.26	72.0	4.0
120.0	393.6	12.130	53.83	64.0	3.5
125.0	410.0	12.630	54.73	100.0	5.5
130.0	426.4	13.040	55.47	82.0	4.5
135.0	442.8	13.600	56.48	112.0	6.1
140.0	459.2	14.110	57.40	102.0	5.6
145.0	475.6	14.500	58.10	78.0	4.3
150.0	492.0	14.810	58.66	62.0	3.4

LOCATION: SALEM AMS, OREGON
16S/ 6E/273B
HOLE NUMBER: CR-HC
DATE MEASURED: 9/29/76

40

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	8.120	46.62	.0	.0
10.0	32.8	8.360	47.05	48.0	2.6
15.0	49.2	8.930	48.07	114.0	6.3
20.0	65.6	9.340	48.81	82.0	4.5
25.0	82.0	9.850	49.73	102.0	5.6
30.0	98.4	10.360	50.65	102.0	5.6
35.0	114.8	10.810	51.46	90.0	4.9
40.0	131.2	11.270	52.29	92.0	5.0
45.0	147.6	11.810	53.26	108.0	5.9
50.0	164.0	12.310	54.16	100.0	5.5
55.0	180.4	12.910	55.24	120.0	6.6
60.0	196.8	13.350	56.03	88.0	4.8
65.0	213.2	14.010	57.22	132.0	7.2
70.0	229.6	14.550	58.19	108.0	5.9
75.0	246.0	14.980	58.96	86.0	4.7
80.0	262.4	15.610	60.10	126.0	6.9
85.0	278.8	15.830	60.49	44.0	2.4
90.0	295.2	16.330	61.39	100.0	5.5
95.0	311.6	16.640	61.95	62.0	3.4
100.0	328.0	17.070	62.73	86.0	4.7
105.0	344.4	17.700	63.86	126.0	6.9
110.0	360.8	18.200	64.76	100.0	5.5
115.0	377.2	18.720	65.70	104.0	5.7
120.0	393.6	19.160	66.49	88.0	4.8
125.0	410.0	19.630	67.33	94.0	5.2
130.0	426.4	20.050	68.09	84.0	4.6
135.0	442.8	20.420	68.76	74.0	4.1
140.0	459.2	20.830	69.49	82.0	4.5
145.0	475.6	21.240	70.23	82.0	4.5
150.0	492.0	21.560	70.81	64.0	3.5

LOCATION: SALEM AMS, OREGON
17S/02W/36CA

41

HOLE NUMBER: 79S-WW

DATE MEASURED: 9/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.390	52.50	.0	.0
20.0	65.6	12.030	53.65	64.0	3.5
30.0	98.4	12.460	54.43	43.0	2.4
40.0	131.2	12.800	55.04	34.0	1.9
50.0	164.0	13.090	55.56	29.0	1.6
60.0	196.8	13.370	56.07	28.0	1.5
70.0	229.6	13.640	56.55	27.0	1.5
80.0	262.4	13.980	57.16	34.0	1.9
85.0	278.8	14.120	57.42	28.0	1.5
90.0	295.2	14.270	57.69	30.0	1.6
95.0	311.6	14.430	57.97	32.0	1.8
100.0	328.0	14.520	58.14	18.0	1.0
105.0	344.4	14.730	58.51	42.0	2.3

LOCATION: SALEM AMS, OREGON
17S/01W/26DA

HOLE NUMBER: CNW

DATE MEASURED: 9/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.160	50.29	.0	.0
20.0	65.6	10.350	50.63	19.0	1.0
30.0	98.4	10.490	50.88	14.0	.8
40.0	131.2	10.750	51.35	26.0	1.4
50.0	164.0	11.070	51.93	32.0	1.8
60.0	196.8	11.400	52.52	33.0	1.8
70.0	229.6	11.650	52.97	25.0	1.4
80.0	262.4	11.860	53.35	21.0	1.2
90.0	295.2	12.080	53.74	22.0	1.2
100.0	328.0	12.390	54.30	31.0	1.7
105.0	344.4	12.560	54.61	34.0	1.9
110.0	360.8	12.670	54.81	22.0	1.2
115.0	377.2	12.770	54.99	20.0	1.1
120.0	393.6	12.890	55.20	24.0	1.3
125.0	410.0	13.020	55.44	26.0	1.4
130.0	426.4	13.150	55.67	26.0	1.4
135.0	442.8	13.290	55.92	28.0	1.5
140.0	459.2	13.450	56.21	32.0	1.8
145.0	475.6	13.580	56.44	26.0	1.4

LOCATION: SALEM AMS, OREGON
17S/01W/32CC

42

HOLE NUMBER: DWW

DATE MEASURED: 10/01/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	10.520	50.94	.0	.0
30.0	98.4	10.500	50.90	-2.0	-1.1
40.0	131.2	10.560	51.01	6.0	.3
50.0	164.0	10.710	51.28	15.0	.8
60.0	196.8	11.030	51.85	32.0	1.8
65.0	213.2	11.230	52.21	40.0	2.2
70.0	229.6	11.350	52.43	24.0	1.3
75.0	246.0	11.510	52.72	32.0	1.8
80.0	262.4	11.670	53.01	32.0	1.8
85.0	278.8	11.870	53.37	40.0	2.2
90.0	295.2	12.080	53.74	42.0	2.3
95.0	311.6	12.250	54.05	34.0	1.9
100.0	328.0	12.510	54.52	52.0	2.9
105.0	344.4	12.680	54.82	34.0	1.9
110.0	360.8	12.840	55.11	32.0	1.8
115.0	377.2	12.990	55.38	30.0	1.6
120.0	393.6	13.150	55.67	32.0	1.8
125.0	410.0	13.270	55.89	24.0	1.3
130.0	426.4	13.490	56.28	44.0	2.4

LOCATION: ROSEBURG AMS, OREGON
18S/03W/25AD

HOLE NUMBER: MWW

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.290	54.12	.0	.0
20.0	65.6	12.580	54.64	29.0	1.6
30.0	98.4	12.870	55.17	29.0	1.6
32.5	106.6	13.000	55.40	52.0	2.9
35.0	114.8	13.060	55.51	24.0	1.3
37.5	123.0	13.130	55.63	28.0	1.5
40.0	131.2	13.210	55.78	32.0	1.8
42.5	139.4	13.280	55.90	28.0	1.5
45.0	147.6	13.360	56.05	32.0	1.8
47.5	155.8	13.400	56.12	16.0	.9
50.0	164.0	13.450	56.21	20.0	1.1

LOCATION: ROSEBURG AMS, OREGON
18S/ 3W/31CC

43

HOLE NUMBER: SNW

DATE MEASURED: 2/ 1/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.820	49.68	.0	.0
15.0	49.2	9.900	49.82	16.0	.9
17.5	57.4	9.970	49.95	28.0	1.5
20.0	65.6	10.040	50.07	28.0	1.5
22.5	73.8	10.130	50.23	36.0	2.0
25.0	82.0	10.210	50.38	32.0	1.8
27.5	90.2	10.290	50.52	32.0	1.8
30.0	98.4	10.370	50.67	32.0	1.8
32.5	106.6	10.450	50.81	32.0	1.8
35.0	114.8	10.520	50.94	28.0	1.5
37.5	123.0	10.560	51.01	16.0	.9

LOCATION: SALEM AMS, OREGON
18S/ 2W/ 4AD

HOLE NUMBER: HB-WW

DATE MEASURED: 9/ 2/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.020	53.64	.0	.0
20.0	65.6	12.640	54.75	62.0	3.4
25.0	82.0	12.940	55.29	60.0	3.3
30.0	98.4	13.050	55.49	22.0	1.2
35.0	114.8	13.160	55.69	22.0	1.2
40.0	131.2	13.250	55.85	18.0	1.0
45.0	147.6	13.320	55.98	14.0	.8
50.0	164.0	13.460	56.23	28.0	1.5
55.0	180.4	13.660	56.59	40.0	2.2
60.0	196.8	13.830	56.89	34.0	1.9
65.0	213.2	14.010	57.22	36.0	2.0
70.0	229.6	14.340	57.81	66.0	3.6
75.0	246.0	14.520	58.14	36.0	2.0
80.0	262.4	14.710	58.48	38.0	2.1
85.0	278.8	14.870	58.77	32.0	1.8
90.0	295.2	15.050	59.09	36.0	2.0
95.0	311.6	15.230	59.41	36.0	2.0
100.0	328.0	15.420	59.76	38.0	2.1
105.0	344.4	15.610	60.10	38.0	2.1
110.0	360.8	15.790	60.42	36.0	2.0
115.0	377.2	15.970	60.75	36.0	2.0
120.0	393.6	16.130	61.03	32.0	1.8
125.0	410.0	16.290	61.32	32.0	1.8

LOCATION: ROSEBURG A1S, OREGON
18S/02W/26CB

44

HOLE NUMBER: W4W

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.590	54.66	•0	•0
12.5	41.0	12.790	55.02	80.0	4.4
15.0	49.2	12.970	55.35	72.0	4.0
17.5	57.4	13.140	55.65	68.0	3.7
20.0	65.6	13.310	55.96	68.0	3.7
22.5	73.8	13.440	56.19	52.0	2.9
25.0	82.0	13.560	56.41	48.0	2.6
27.5	90.2	13.690	56.64	52.0	2.9
30.0	98.4	13.790	56.82	40.0	2.2
32.5	106.6	13.880	56.98	36.0	2.0
35.0	114.8	13.960	57.13	32.0	1.8
37.5	123.0	14.020	57.24	24.0	1.3
40.0	131.2	14.080	57.34	24.0	1.3
42.5	139.4	14.110	57.40	12.0	•7

LOCATION: ROSEBURG AMS, OREGON
 18S/ 1W/32CC
 HOLE NUMBER: PR-WW
 DATE MEASURED: 8/26/76

45

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	10.920	51.66	•0	•0
20.0	65.6	11.050	51.89	26.0	1.4
25.0	82.0	11.230	52.21	36.0	2.0
30.0	98.4	11.420	52.56	38.0	2.1
35.0	114.8	11.600	52.88	36.0	2.0
40.0	131.2	11.770	53.19	34.0	1.9
45.0	147.6	11.950	53.51	36.0	2.0
50.0	164.0	12.120	53.82	34.0	1.9
55.0	180.4	12.290	54.12	34.0	1.9
60.0	196.8	12.460	54.43	34.0	1.9
65.0	213.2	12.630	54.73	34.0	1.9
70.0	229.6	12.760	54.97	26.0	1.4
75.0	246.0	12.890	55.20	26.0	1.4
80.0	262.4	13.030	55.45	28.0	1.5
85.0	278.8	13.200	55.76	34.0	1.9
90.0	295.2	13.390	56.10	38.0	2.1
95.0	311.6	13.570	56.43	36.0	2.0
100.0	328.0	13.750	56.75	36.0	2.0
105.0	344.4	14.100	57.38	70.0	3.8
110.0	360.8	14.280	57.70	36.0	2.0
115.0	377.2	14.460	58.03	36.0	2.0
120.0	393.6	14.660	58.39	40.0	2.2
125.0	410.0	14.890	58.80	46.0	2.5
130.0	426.4	15.090	59.16	40.0	2.2
135.0	442.8	15.290	59.52	40.0	2.2
140.0	459.2	15.520	59.94	46.0	2.5
145.0	475.6	15.710	60.28	38.0	2.1
150.0	492.0	15.890	60.60	36.0	2.0
155.0	508.4	16.100	60.98	42.0	2.3
160.0	524.8	16.290	61.32	38.0	2.1
165.0	541.2	16.480	61.66	38.0	2.1
170.0	557.6	16.650	61.97	34.0	1.9
175.0	574.0	16.850	62.33	40.0	2.2
180.0	590.4	17.020	62.64	34.0	1.9
185.0	606.8	17.230	63.01	42.0	2.3
190.0	623.2	17.400	63.32	34.0	1.9
195.0	639.6	17.570	63.63	34.0	1.9
200.0	656.0	17.770	63.99	40.0	2.2
205.0	672.4	17.940	64.29	34.0	1.9
210.0	688.8	18.100	64.58	32.0	1.8
215.0	705.2	18.330	64.99	46.0	2.5

LOCATION: CRESCENT AMS, OREGON

46

18S/11E/25BD

HOLE NUMBER: PNW

DATE MEASURED: 6/ 3/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.240	46.83	.0	.0
12.5	41.0	8.320	46.98	32.0	1.8
15.0	49.2	8.410	47.14	36.0	2.0
17.5	57.4	8.410	47.14	.0	.0
20.0	65.6	8.440	47.19	12.0	.7
22.5	73.8	8.470	47.25	12.0	.7
25.0	82.0	8.450	47.21	-8.0	-.4
27.5	90.2	8.310	46.96	-56.0	-3.1
30.0	98.4	7.900	46.22	-164.0	-9.0
32.5	106.6	8.070	46.53	68.0	3.7
35.0	114.8	8.200	46.76	52.0	2.9
37.5	123.0	8.220	46.80	8.0	.4
40.0	131.2	8.320	46.98	40.0	2.2
42.5	139.4	8.400	47.12	32.0	1.8
45.0	147.6	8.470	47.25	28.0	1.5
47.5	155.8	8.530	47.35	24.0	1.3
50.0	164.0	8.600	47.48	28.0	1.5
52.5	172.2	8.660	47.59	24.0	1.3
55.0	180.4	8.710	47.68	20.0	1.1
57.5	188.6	8.780	47.80	28.0	1.5
60.0	196.8	8.840	47.91	24.0	1.3
65.0	213.2	8.960	48.13	24.0	1.3
70.0	229.6	9.100	48.38	28.0	1.5
75.0	246.0	9.250	48.65	30.0	1.6
80.0	262.4	9.450	49.01	40.0	2.2
85.0	278.8	9.650	49.37	40.0	2.2
90.0	295.2	9.770	49.59	24.0	1.3
95.0	311.6	10.020	50.04	50.0	2.7
100.0	328.0	10.290	50.52	54.0	3.0
105.0	344.4	10.570	51.03	56.0	3.1
110.0	360.8	9.240	48.63	-266.0	-14.6
115.0	377.2	9.210	48.58	-6.0	-.3
120.0	393.6	9.210	48.58	.0	.0
125.0	410.0	9.220	48.60	2.0	.1
130.0	426.4	9.220	48.60	.0	.0

LOCATION: BEND AMS, OREGON
18S/12E/ 53A

47

HOLE NUMBER: BS-WW

DATE MEASURED: 5/ 2/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.670	49.41	.0	.0
20.0	65.6	9.620	49.32	-5.0	-.3
30.0	98.4	9.840	49.71	22.0	1.2
40.0	131.2	10.130	50.23	29.0	1.6
50.0	164.0	10.220	50.40	9.0	.5
60.0	196.8	10.320	50.58	10.0	.5
70.0	229.6	10.400	50.72	8.0	.4
80.0	262.4	10.340	50.61	-6.0	-.3
90.0	295.2	10.350	50.63	1.0	.1
100.0	328.0	10.340	50.61	-1.0	-.1
110.0	360.8	9.940	49.89	-40.0	-2.2
120.0	393.6	9.900	49.82	-4.0	-.2
130.0	426.4	9.900	49.82	.0	.0
140.0	459.2	9.900	49.82	.0	.0
150.0	492.0	9.900	49.82	.0	.0
160.0	524.8	9.910	49.84	1.0	.1
170.0	557.6	9.920	49.86	1.0	.1
180.0	590.4	9.920	49.86	.0	.0
190.0	623.2	9.940	49.89	2.0	.1
200.0	656.0	9.960	49.93	2.0	.1
210.0	688.8	9.980	49.96	2.0	.1
220.0	721.6	10.050	50.09	7.0	.4
230.0	754.4	10.230	50.41	18.0	1.0

LOCATION: BOISE AMS, OREGON
 18S/45E/21CB
 HOLE NUMBER: TS-RDH
 DATE MEASURED: 11/30/76

48

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	15.070	59.13	.0	.0
20.0	65.6	15.900	60.62	156.0	9.1
25.0	82.0	16.870	62.37	194.0	10.6
30.0	98.4	17.750	63.95	176.0	9.7
35.0	114.8	18.790	65.82	208.0	11.4
40.0	131.2	19.810	67.56	204.0	11.2
45.0	147.6	20.840	69.51	206.0	11.3
50.0	164.0	21.940	71.49	220.0	12.1
55.0	180.4	23.090	73.56	230.0	12.6
60.0	196.8	24.080	75.34	198.0	10.9
65.0	213.2	25.090	77.16	202.0	11.1
70.0	229.6	25.640	78.15	110.0	6.0
75.0	246.0	26.480	79.66	158.0	9.2
80.0	262.4	27.080	80.74	120.0	6.6
85.0	278.8	27.770	81.99	138.0	7.6
90.0	295.2	28.610	83.50	168.0	9.2
95.0	311.6	29.480	85.06	174.0	9.5
100.0	328.0	30.010	86.02	106.0	5.8
105.0	344.4	30.490	86.88	96.0	5.3
110.0	360.8	30.980	87.76	98.0	5.4
115.0	377.2	31.400	88.52	84.0	4.6
120.0	393.6	32.140	89.85	148.0	8.1
125.0	410.0	32.820	91.08	136.0	7.5
130.0	426.4	33.450	92.21	126.0	6.9
135.0	442.8	33.360	92.35	82.0	4.5
140.0	459.2	34.330	93.79	94.0	5.2
145.0	475.6	35.220	95.40	178.0	9.8
150.0	492.0	36.550	97.79	266.0	14.6
155.0	508.4	37.440	99.39	178.0	9.3
160.0	524.8	38.250	100.85	152.0	8.9
165.0	541.2	38.980	102.16	146.0	8.0
170.0	557.6	39.720	103.50	148.0	8.1
175.0	574.0	40.760	105.37	208.0	11.4
180.0	590.4	41.550	106.81	160.0	8.3
185.0	606.8	42.360	108.25	160.0	8.3
190.0	623.2	43.430	110.17	214.0	11.7
195.0	639.6	44.260	111.67	166.0	9.1
200.0	656.0	45.040	113.07	156.0	8.6
205.0	672.4	45.860	114.55	164.0	9.0
210.0	688.8	46.550	115.79	138.0	7.6
215.0	705.2	47.130	116.83	116.0	6.4
220.0	721.6	47.470	117.45	98.0	3.7
225.0	738.0	47.980	118.36	102.0	5.6
230.0	754.4	48.710	119.68	146.0	8.0
235.0	770.8	49.470	121.05	152.0	8.3
240.0	787.2	50.310	122.56	168.0	9.2
245.0	803.6	50.960	123.73	130.0	7.1
250.0	820.0	51.650	124.97	138.0	7.6

LOCATION: BOISE AMS, OREGON
18S/45E/21CB

PAGE 2

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HOLE NUMBER: TS-RDH
DATE MEASURED: 11/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
255.0	836.4	52.300	126.14	130.0	7.1
260.0	852.8	52.840	127.11	108.0	5.9
265.0	869.2	53.420	128.16	116.0	6.4
270.0	885.6	53.990	129.18	114.0	6.3
275.0	902.0	54.610	130.30	124.0	6.8
280.0	918.4	55.220	131.40	122.0	6.7
285.0	934.8	55.780	132.40	112.0	6.1
290.0	951.2	56.210	133.18	86.0	4.7
295.0	967.6	56.860	134.35	130.0	7.1
300.0	984.0	57.140	134.85	56.0	3.1
305.0	1000.4	57.470	135.45	66.0	3.6
310.0	1016.8	57.990	136.38	104.0	5.7

LOCATION: ROSEBURG AMS, OREGON
19S/ 4W/13CC

HOLE NUMBER: HWW
DATE MEASURED: 9/ 1/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
25.0	82.0	10.990	51.78	.0	.0
30.0	98.4	10.990	51.78	.0	.0
35.0	114.8	11.170	52.11	36.0	2.0
40.0	131.2	11.160	52.09	-2.0	-.1
45.0	147.6	11.240	52.23	16.0	.9
50.0	164.0	11.270	52.29	6.0	.3
55.0	180.4	11.300	52.34	6.0	.3
60.0	196.8	11.300	52.34	.0	.0
65.0	213.2	11.360	52.45	12.0	.7
70.0	229.6	11.350	52.43	-2.0	-.1
75.0	246.0	11.410	52.54	12.0	.7
80.0	262.4	11.410	52.54	.0	.0
85.0	278.8	11.440	52.59	6.0	.3
90.0	295.2	11.460	52.63	4.0	.2
95.0	311.6	11.500	52.70	8.0	.4
100.0	328.0	11.550	52.79	10.0	.5
105.0	344.4	11.550	52.79	.0	.0
110.0	360.8	11.560	52.81	2.0	.1
115.0	377.2	11.590	52.86	6.0	.3
120.0	393.6	11.610	52.90	4.0	.2

LOCATION: ROSEBURG AMS, OREGON
19S/2W/2AC

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HOLE NUMBER: JA-WW

DATE MEASURED: 8/19/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.980	51.76	.0	.0
20.0	65.6	11.490	52.68	51.0	2.8
25.0	82.0	12.180	53.92	138.0	7.6
30.0	98.4	12.400	54.32	44.0	2.4
35.0	114.8	12.620	54.72	44.0	2.4
40.0	131.2	12.840	55.11	44.0	2.4
45.0	147.6	13.040	55.47	40.0	2.2
50.0	164.0	13.240	55.83	40.0	2.2
55.0	180.4	13.400	56.12	32.0	1.8
60.0	196.8	13.570	56.43	34.0	1.9
65.0	213.2	13.740	56.73	34.0	1.9
70.0	229.6	13.920	57.06	36.0	2.0
75.0	246.0	14.080	57.34	32.0	1.8
80.0	262.4	14.240	57.63	32.0	1.8
85.0	278.8	14.390	57.90	30.0	1.6
90.0	295.2	14.560	58.21	34.0	1.9
95.0	311.6	14.740	58.53	36.0	2.0
100.0	328.0	14.940	58.89	40.0	2.2
105.0	344.4	15.130	59.23	38.0	2.1
110.0	360.8	15.300	59.54	34.0	1.9
115.0	377.2	15.480	59.86	36.0	2.0
120.0	393.6	15.630	60.13	30.0	1.6

LOCATION: ROSEBURG AMS, OREGON
19S/ 2W/10AD

51

HOLE NUMBER: ER-WW

DATE MEASURED: 9/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.420	50.76	.0	.0
12.5	41.0	10.520	50.94	40.0	2.2
15.0	49.2	10.630	51.13	44.0	2.4
17.5	57.4	10.720	51.30	36.0	2.0
20.0	65.6	10.810	51.46	36.0	2.0
22.5	73.8	10.910	51.64	40.0	2.2
25.0	82.0	11.040	51.87	52.0	2.9
27.5	90.2	11.130	52.03	36.0	2.0
30.0	98.4	11.290	52.32	64.0	3.5
32.5	106.6	11.430	52.57	56.0	3.1
35.0	114.8	11.540	52.77	44.0	2.4
37.5	123.0	11.630	52.93	36.0	2.0
40.0	131.2	11.750	53.17	52.0	2.9
42.5	139.4	11.860	53.35	40.0	2.2
45.0	147.6	11.930	53.47	28.0	1.5
47.5	155.8	12.010	53.62	32.0	1.8
50.0	164.0	12.090	53.76	32.0	1.8
52.5	172.2	12.170	53.91	32.0	1.8
55.0	180.4	12.230	54.01	24.0	1.3
57.5	188.6	12.310	54.16	32.0	1.8
60.0	196.8	12.400	54.32	36.0	2.0
65.0	213.2	12.550	54.59	30.0	1.6
70.0	229.6	12.710	54.88	32.0	1.8
75.0	246.0	12.870	55.17	32.0	1.8
80.0	262.4	13.050	55.49	36.0	2.0
85.0	278.8	13.250	55.85	40.0	2.2
90.0	295.2	13.450	56.21	40.0	2.2
95.0	311.6	13.630	56.53	36.0	2.0
100.0	328.0	13.850	56.93	44.0	2.4
105.0	344.4	14.040	57.27	38.0	2.1

LOCATION: CRESCENT A1S, OREGON
19S/11E/25BA

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HOLE NUMBER: LB-WW

DATE MEASURED: 10/ 1/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
23.0	75.4	7.710	45.88	.0	.0
33.0	108.2	7.670	45.81	-4.0	-.2
43.0	141.0	7.430	45.37	-24.0	-1.3
53.0	173.8	7.490	45.48	6.0	.3
63.0	206.6	7.570	45.63	8.0	.4
73.0	239.4	7.680	45.82	11.0	.6
83.0	272.2	8.110	46.60	43.0	2.4
93.0	305.0	8.080	46.54	-3.0	-.2
103.0	337.8	8.340	47.01	26.0	1.4
113.0	370.6	8.840	47.91	50.0	2.7
123.0	403.4	9.230	48.61	39.0	2.1

LOCATION: CRESCENT A1S, OREGON
19S/16E/16DC

HOLE NUMBER: BR-WW

DATE MEASURED: 10/ 2/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
25.0	82.0	12.430	54.37	.0	.0
50.0	164.0	13.540	56.37	44.4	2.4
75.0	246.0	13.560	56.41	.8	.0
100.0	328.0	15.230	59.41	66.8	3.7
125.0	410.0	17.620	63.72	95.6	5.2
150.0	492.0	18.490	65.28	34.8	1.9
175.0	574.0	20.010	68.02	60.8	3.3
200.0	656.0	20.890	69.60	35.2	1.9
225.0	738.0	22.490	72.48	64.0	3.5
250.0	820.0	24.040	75.27	62.0	3.4
275.0	902.0	25.510	77.92	58.8	3.2
300.0	984.0	26.480	79.66	38.8	2.1

LOCATION: BOISE AMS, OREGON

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19S/45E/113C

HOLE NUMBER: BLMN-WW

DATE MEASURED: 6/10/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	17.150	62.87	.0	.0
20.0	65.6	19.970	67.95	282.0	15.5
30.0	98.4	22.490	72.48	252.0	13.8
40.0	131.2	25.190	77.34	270.0	14.8
50.0	164.0	27.470	81.45	228.0	12.5
60.0	196.8	30.430	86.77	296.0	16.2
70.0	229.6	33.050	91.49	262.0	14.4
80.0	262.4	35.480	95.86	243.0	13.3
85.0	278.8	36.490	97.68	202.0	11.1

LOCATION: BOISE AMS, OREGON

19S/46E/13CD

HOLE NUMBER: CG-WW

DATE MEASURED: 11/ 4/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
12.5	41.0	12.590	54.66	.0	.0
15.0	49.2	12.880	55.18	116.0	6.4
17.5	57.4	13.240	55.83	144.0	7.9
20.0	65.6	13.620	56.52	152.0	8.3
22.5	73.8	13.930	57.07	124.0	6.8
25.0	82.0	14.270	57.69	136.0	7.5
27.5	90.2	14.600	58.28	132.0	7.2
30.0	98.4	14.980	58.96	152.0	8.3
32.0	105.0	15.350	59.63	185.0	10.2
35.0	114.8	15.600	60.08	83.3	4.6
37.5	123.0	15.880	60.58	112.0	6.1

LOCATION: BOISE AMS, OREGON
19S/46E/15DC

54

HOLE NUMBER: NC-WW

DATE MEASURED: 10/27/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	12.590	54.66	.0	.0
22.5	73.8	12.680	54.82	36.0	2.0
25.0	82.0	12.530	54.55	-60.0	-3.3
27.0	88.6	12.400	54.32	-65.0	-3.6
30.0	98.4	12.400	54.32	.0	.0
32.5	106.6	12.430	54.37	12.0	.7
35.0	114.8	12.450	54.41	8.0	.4
37.5	123.0	12.470	54.45	8.0	.4
40.0	131.2	12.490	54.48	8.0	.4
42.5	139.4	12.490	54.48	.0	.0
45.0	147.6	12.500	54.50	4.0	.2
47.5	155.8	12.580	54.64	32.0	1.8
50.0	164.0	14.510	58.12	772.0	42.4
55.0	180.4	17.410	63.34	580.0	31.8
60.0	196.8	17.720	63.90	62.0	3.4
65.0	213.2	17.850	64.13	26.0	1.4
70.0	229.6	17.850	64.13	.0	.0
75.0	246.0	17.850	64.13	.0	.0
80.0	262.4	17.870	64.17	4.0	.2
85.0	278.8	17.890	64.20	4.0	.2
90.0	295.2	17.900	64.22	2.0	.1
95.0	311.6	17.900	64.22	.0	.0
100.0	328.0	17.910	64.24	2.0	.1
105.0	344.4	17.910	64.24	.0	.0
110.0	360.8	17.920	64.26	2.0	.1
115.0	377.2	17.930	64.27	2.0	.1
120.0	393.6	17.940	64.29	2.0	.1
125.0	410.0	17.940	64.29	.0	.0
130.0	426.4	18.020	64.44	16.0	.9
135.0	442.8	18.020	64.44	.0	.0
140.0	459.2	18.020	64.44	.0	.0
145.0	475.6	18.020	64.44	.0	.0
150.0	492.0	18.020	64.44	.0	.0

LOCATION: BOISE AMS, OREGON
 19S/46E/18DB
 HOLE NUMBER: SNN
 DATE MEASURED: 6/10/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.580	58.42	.0	.0
20.0	65.6	15.560	60.01	88.0	4.8
30.0	98.4	16.600	61.88	104.0	5.7
40.0	131.2	17.730	63.91	113.0	6.2
50.0	164.0	18.720	65.70	99.0	5.4
60.0	196.8	19.700	67.46	98.0	5.4
70.0	229.6	20.770	69.39	107.0	5.9
80.0	262.4	21.850	71.33	108.0	5.9
90.0	295.2	22.920	73.26	107.0	5.9
100.0	328.0	24.080	75.34	116.0	6.4
110.0	360.8	24.880	76.78	80.0	4.4
120.0	393.6	25.790	78.42	91.0	5.0
130.0	426.4	26.910	80.44	112.0	6.1
140.0	459.2	28.210	82.78	130.0	7.1
150.0	492.0	29.170	84.51	96.0	5.3
160.0	524.8	29.540	85.17	37.0	2.0

LOCATION: BOISE AMS, OREGON
 19S/46E/33CC
 HOLE NUMBER: CA-KW
 DATE MEASURED: 10/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
22.5	73.8	14.520	58.14	.0	.0
25.0	82.0	14.650	58.37	52.0	2.9
27.5	90.2	14.770	58.59	48.0	2.6
30.0	98.4	14.900	58.82	52.0	2.9
32.5	106.6	15.090	59.16	76.0	4.2
35.0	114.8	15.290	59.52	80.0	4.4
37.5	123.0	15.800	60.44	204.0	11.2
40.0	131.2	16.120	61.02	128.0	7.0
42.5	139.4	16.450	61.61	132.0	7.2
45.0	147.6	16.730	62.11	112.0	6.1
47.5	155.8	16.960	62.53	92.0	5.0
50.0	164.0	17.200	62.96	96.0	5.3
52.5	172.2	17.390	63.30	76.0	4.2
55.0	180.4	17.570	63.63	72.0	4.0
57.5	188.6	17.740	63.93	58.0	3.7
65.0	213.2	18.140	64.65	53.3	2.9
60.0	196.8	17.890	64.20	50.0	2.7
70.0	229.6	18.330	64.99	44.0	2.4
75.0	246.0	18.430	65.17	20.0	1.1
80.0	262.4	18.480	65.26	10.0	.5

LOCATION: ROSEBURG AMS, OREGON

20S/ 3E/26CC

HOLE NUMBER: AE-WW

DATE MEASURED: 8/19/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.470	47.25	.0	.0
20.0	65.6	8.750	47.75	28.0	1.5
30.0	98.4	9.010	48.22	26.0	1.4
40.0	131.2	9.340	48.81	33.0	1.8
50.0	164.0	9.580	49.24	24.0	1.3
60.0	196.8	9.790	49.62	21.0	1.2
65.0	213.2	9.940	49.89	30.0	1.6
70.0	229.6	10.060	50.11	24.0	1.3
75.0	246.0	10.160	50.29	20.0	1.1
80.0	262.4	10.280	50.50	24.0	1.3
85.0	278.8	10.480	50.86	40.0	2.2
90.0	295.2	10.680	51.22	40.0	2.2
95.0	311.6	10.880	51.58	40.0	2.2
100.0	328.0	11.060	51.91	36.0	2.0
105.0	344.4	11.270	52.29	42.0	2.3
110.0	360.8	11.430	52.57	32.0	1.8
115.0	377.2	11.630	52.93	40.0	2.2
120.0	393.6	11.780	53.20	30.0	1.6
125.0	410.0	11.880	53.38	20.0	1.1

LOCATION: ROSEBURG AMS, OREGON

20S/ 3E/26DA

HOLE NUMBER: CS-WW

DATE MEASURED: 9/28/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	9.020	48.24	.0	.0
30.0	98.4	9.110	48.40	9.0	.5
40.0	131.2	9.400	48.92	29.0	1.6
45.0	147.6	9.510	49.12	22.0	1.2
50.0	164.0	9.570	49.23	12.0	.7
55.0	180.4	9.680	49.42	22.0	1.2
60.0	196.8	9.810	49.66	26.0	1.4
65.0	213.2	9.940	49.89	26.0	1.4
70.0	229.6	10.080	50.14	28.0	1.5
75.0	246.0	10.250	50.45	34.0	1.9
80.0	262.4	10.430	50.77	36.0	2.0
85.0	278.8	10.620	51.12	38.0	2.1
90.0	295.2	10.800	51.44	36.0	2.0
95.0	311.6	10.960	51.73	32.0	1.8
100.0	328.0	11.140	52.05	36.0	2.0
105.0	344.4	11.330	52.39	38.0	2.1
110.0	360.8	11.530	52.75	40.0	2.2
115.0	377.2	11.770	53.19	48.0	2.6
120.0	393.6	12.000	53.60	46.0	2.5
125.0	410.0	12.190	53.94	38.0	2.1
130.0	426.4	12.390	54.30	40.0	2.2
135.0	442.8	12.520	54.66	40.0	2.2
140.0	459.2	12.850	55.13	52.0	2.9

LOCATION: CRESCENT A4S, OREGON

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20S/14E/25AA

HOLE NUMBER: BFZ-PMW

DATE MEASURED: 8/17/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEO THERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.660	49.39	.0	.0
15.0	49.2	9.950	49.91	58.0	3.2
20.0	65.6	10.230	50.41	56.0	3.1
25.0	82.0	10.580	51.04	70.0	3.8
30.0	98.4	10.780	51.40	40.0	2.2
35.0	114.8	11.050	51.89	54.0	3.0
40.0	131.2	11.310	52.36	52.0	2.9
45.0	147.6	11.530	52.75	44.0	2.4
50.0	164.0	11.710	53.08	36.0	2.0
55.0	180.4	11.890	53.40	36.0	2.0
60.0	196.8	12.080	53.74	38.0	2.1
65.0	213.2	12.280	54.10	40.0	2.2
70.0	229.6	12.420	54.36	28.0	1.5
75.0	246.0	12.580	54.64	32.0	1.8
80.0	262.4	12.750	54.95	34.0	1.9
85.0	278.8	12.910	55.24	32.0	1.8
90.0	295.2	13.080	55.54	34.0	1.9
95.0	311.6	13.250	55.85	34.0	1.9
100.0	328.0	13.420	56.16	34.0	1.9
105.0	344.4	13.580	56.44	32.0	1.8
110.0	360.8	13.720	56.70	28.0	1.5
115.0	377.2	13.880	56.98	32.0	1.8
120.0	393.6	14.070	57.33	38.0	2.1
125.0	410.0	14.280	57.70	42.0	2.3

LOCATION: ROSEBURG AMS, OREGON
21S/ 3E/10AD

58

HOLE NUMBER: FC-WW

DATE MEASURED: 9/28/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
20.0	65.6	10.450	50.81	.0	.0
22.5	73.8	10.480	50.86	12.0	.7
25.0	82.0	10.570	51.03	36.0	2.0
27.5	90.2	10.630	51.13	24.0	1.3
30.0	98.4	10.680	51.22	20.0	1.1
32.5	106.6	10.760	51.37	32.0	1.8
35.0	114.8	10.980	51.76	38.0	4.8
37.5	123.0	11.060	51.91	32.0	1.8
40.0	131.2	11.120	52.02	24.0	1.3
42.5	139.4	11.220	52.20	40.0	2.2
45.0	147.6	11.300	52.34	32.0	1.8
47.5	155.8	11.390	52.50	36.0	2.0
50.0	164.0	11.440	52.59	20.0	1.1
55.0	180.4	11.760	53.17	64.0	3.5
60.0	196.8	11.920	53.46	32.0	1.8
65.0	213.2	12.110	53.80	38.0	2.1
70.0	229.6	12.290	54.12	36.0	2.0
75.0	246.0	12.450	54.41	32.0	1.8
80.0	262.4	12.620	54.72	34.0	1.9
85.0	278.8	12.780	55.00	32.0	1.8
90.0	295.2	12.930	55.27	30.0	1.6
95.0	311.6	13.070	55.53	28.0	1.5
100.0	328.0	13.200	55.76	26.0	1.4

ROSEBURG AMS

LOCATION: HILLS CREEK DAM, OREGON
21S/ 3E-35B3

HOLE NUMBER: DH-Z-5

DATE MEASURED: 11/25/75

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.490	56.28	.0	.0
10.0	32.8	11.490	52.68	-400.0	-22.0
15.0	49.2	11.270	52.29	-44.0	-2.4
20.0	65.6	11.200	52.16	-14.0	-.8
25.0	82.0	11.050	51.89	-30.0	-1.6
30.0	98.4	10.890	51.60	-32.0	-1.8
35.0	114.8	10.740	51.33	-30.0	-1.6
40.0	131.2	10.610	51.10	-26.0	-1.4
45.0	147.6	10.480	50.86	-26.0	-1.4
50.0	164.0	10.420	50.76	-12.0	-.7
55.0	180.4	10.370	50.67	-10.0	-.5
60.0	196.8	10.340	50.61	-6.0	-.3
65.0	213.2	10.370	50.67	6.0	.3
70.0	229.6	10.390	50.70	4.0	.2
75.0	246.0	10.430	50.77	8.0	.4
79.0	259.1	10.450	50.81	5.0	.3

LOCATION: ROSEBERG AMS, OREGON

59

21S/ 4E/284D

HOLE NUMBER: CR-MCHSE

DATE MEASURED: 9/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.670	49.41	0.0	0.0
15.0	49.2	10.070	50.13	80.0	4.4
20.0	65.6	10.480	50.86	82.0	4.5
25.0	82.0	10.870	51.57	78.0	4.3
30.0	98.4	11.260	52.27	78.0	4.3
35.0	114.8	11.610	52.90	70.0	3.8
40.0	131.2	12.070	53.73	32.0	5.0
45.0	147.6	12.430	54.37	72.0	4.0
50.0	164.0	12.930	55.27	100.0	5.5
55.0	180.4	13.280	55.90	70.0	3.8
60.0	196.8	13.780	56.80	100.0	5.5
65.0	213.2	14.150	57.47	74.0	4.1
70.0	229.6	14.660	58.39	102.0	5.6
75.0	246.0	15.100	59.18	38.0	4.8
80.0	262.4	15.520	59.94	34.0	4.6
85.0	278.8	15.970	60.75	30.0	4.9
90.0	295.2	16.300	61.34	66.0	3.6
95.0	311.6	16.710	62.08	32.0	4.5
100.0	328.0	17.180	62.92	24.0	5.2
105.0	344.4	17.620	63.72	88.0	4.8
110.0	360.8	17.970	64.35	70.0	3.8
115.0	377.2	18.360	65.05	78.0	4.3
120.0	393.6	18.790	65.82	36.0	4.7
125.0	410.0	19.130	66.43	68.0	3.7
130.0	426.4	19.530	67.15	80.0	4.4
135.0	442.8	19.930	67.87	30.0	4.4
140.0	459.2	20.230	68.41	60.0	3.3
145.0	475.6	20.610	69.10	76.0	4.2
150.0	492.0	20.980	69.76	74.0	4.1

LOCATION: CRESCENT AMS, OREGON

21S/11E/253B

HOLE NUMBER: BFZ-MB

DATE MEASURED: 8/ 4/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.350	45.23	0.0	0.0
12.5	41.0	7.380	45.28	12.0	0.7
15.0	49.2	7.450	45.41	28.0	1.5
17.5	57.4	7.510	45.52	24.0	1.3
20.0	65.6	7.580	45.64	28.0	1.5
22.5	73.8	7.700	45.86	48.0	2.6
25.0	82.0	7.770	45.99	28.0	1.5
27.5	90.2	7.840	46.11	28.0	1.5
30.0	98.4	7.990	46.38	60.0	3.3
32.5	106.6	8.180	46.72	76.0	4.2
35.0	114.8	8.340	47.01	64.0	3.5

LOCATION: CRESCENT AMS, OREGON

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21S/15E/16AB

HOLE NUMBER: BFZ-PMS

DATE MEASURED: 8/17/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.250	46.85	.0	.0
15.0	49.2	8.310	46.96	12.0	.7
20.0	65.6	8.390	47.10	16.0	.9
25.0	82.0	8.510	47.32	24.0	1.3
30.0	98.4	8.710	47.68	40.0	2.2
35.0	114.8	8.960	48.13	50.0	2.7
40.0	131.2	8.990	48.18	6.0	.3
45.0	147.6	9.080	48.34	18.0	1.0
50.0	164.0	9.200	48.56	24.0	1.3
55.0	180.4	9.400	48.92	40.0	2.2
60.0	196.8	9.580	49.24	36.0	2.0
65.0	213.2	9.760	49.57	36.0	2.0
70.0	229.6	9.930	49.87	34.0	1.9
75.0	246.0	10.180	50.32	50.0	2.7
80.0	262.4	10.430	50.77	50.0	2.7
85.0	278.8	10.740	51.33	62.0	3.4
90.0	295.2	11.040	51.87	60.0	3.3
95.0	311.6	11.340	52.41	60.0	3.3
100.0	328.0	11.590	52.86	50.0	2.7
105.0	344.4	11.860	53.35	54.0	3.0
110.0	360.8	12.130	53.83	54.0	3.0
115.0	377.2	12.380	54.28	50.0	2.7
120.0	393.6	12.610	54.70	46.0	2.5
125.0	410.0	12.870	55.17	52.0	2.9
130.0	426.4	13.130	55.63	52.0	2.9
135.0	442.8	13.410	56.14	56.0	3.1
140.0	459.2	13.740	56.73	66.0	3.6
145.0	475.6	14.060	57.31	64.0	3.5
150.0	492.0	14.330	57.79	54.0	3.0
152.5	500.2	14.460	58.03	52.0	2.9

LOCATION: CRESCENT AMS, OREGON
21S/17E/ 1AD

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HOLE NUMBER: BFZ-BR

DATE MEASURED: 8/ 3/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	8.300	46.94	.0	.0
10.0	32.8	8.430	47.17	52.0	2.9
12.5	41.0	9.020	48.24	236.0	13.0
15.0	49.2	9.190	48.54	68.0	3.7
17.5	57.4	9.520	49.14	132.0	7.2
20.0	65.6	9.810	49.66	116.0	6.4
22.5	73.8	10.120	50.22	124.0	6.8
25.0	82.0	10.400	50.72	112.0	6.1
27.5	90.2	10.670	51.21	108.0	5.9
30.0	98.4	10.930	51.67	104.0	5.7
32.5	106.6	11.230	52.21	120.0	6.6
35.0	114.8	11.450	52.61	88.0	4.8
37.5	123.0	11.760	53.17	124.0	6.8
40.0	131.2	12.030	53.65	108.0	5.9
42.5	139.4	12.230	54.01	80.0	4.4
45.0	147.6	12.440	54.39	84.0	4.6
47.5	155.8	12.640	54.75	30.0	4.4
50.0	164.0	12.820	55.08	72.0	4.0
55.0	180.4	13.230	55.81	82.0	4.5
60.0	196.8	13.730	56.71	100.0	5.5
65.0	213.2	14.230	57.61	100.0	5.5
70.0	229.6	14.680	58.42	90.0	4.9
75.0	246.0	15.090	59.16	82.0	4.5
80.0	262.4	15.450	59.81	72.0	4.0
85.0	273.8	15.820	60.48	74.0	4.1
90.0	295.2	16.190	61.14	74.0	4.1

LOCATION: BURNS AMS, OREGON
21S/38E/17CD

HOLE NUMBER: JWW

DATE MEASURED: 6/14/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.100	51.98	.0	.0
12.5	41.0	11.370	52.47	108.0	5.9
15.0	49.2	11.600	52.88	92.0	5.0
17.5	57.4	11.720	53.10	48.0	2.6
20.0	65.6	11.890	53.40	68.0	3.7
22.5	73.8	12.140	53.85	100.0	5.5
25.0	82.0	12.360	54.25	88.0	4.8
27.5	90.2	12.560	54.61	80.0	4.4

LOCATION: BOISE AMS, OREGON

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21S/45E/ 1AA

HOLE NUMBER: CWW

DATE MEASURED: 9/23/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	15.550	59.99	.0	.0
10.0	32.8	15.420	59.76	-52.0	-2.9
12.5	41.0	15.300	59.54	-48.0	-2.6
15.0	49.2	15.260	59.47	-16.0	-.9
17.5	57.4	15.280	59.50	8.0	.4
20.0	65.6	15.340	59.61	24.0	1.3
22.5	73.8	15.400	59.72	24.0	1.3
25.0	82.0	15.510	59.92	44.0	2.4
27.5	90.2	15.600	60.08	36.0	2.0
30.0	98.4	15.680	60.22	32.0	1.8
32.5	106.6	15.840	60.51	64.0	3.5
35.0	114.8	15.850	60.53	4.0	.2
37.5	123.0	15.980	60.76	52.0	2.9
40.0	131.2	16.110	61.00	52.0	2.9
42.5	139.4	16.260	61.27	60.0	3.3

LOCATION: BOISE AMS, OREGON

21S/46E/ 8AA

HOLE NUMBER: BWW

DATE MEASURED: 10/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
22.5	73.8	15.490	59.88	.0	.0
25.0	82.0	15.770	60.39	112.0	6.1
27.5	90.2	16.110	61.00	136.0	7.5
30.0	98.4	16.440	61.59	132.0	7.2
32.5	106.6	16.790	62.22	140.0	7.7
35.0	114.8	17.070	62.73	112.0	6.1
37.5	123.0	17.420	63.36	140.0	7.7
40.0	131.2	17.770	63.99	140.0	7.7
42.5	139.4	18.150	64.67	152.0	8.3
45.0	147.6	18.490	65.28	136.0	7.5
47.5	155.8	18.890	66.00	150.0	8.8
50.0	164.0	19.220	66.60	132.0	7.2
52.5	172.2	19.510	67.12	116.0	6.4
55.0	180.4	19.810	67.66	120.0	6.6
57.5	188.6	19.950	67.91	56.0	3.1
60.0	196.8	20.200	68.36	100.0	5.5

LOCATION: ROSEBERG AMS, OREGON

63

22S/ 5E/26BC

HOLE NUMBER: CR-MCHSW

DATE MEASURED: 9/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.340	47.01	.0	.0
15.0	49.2	8.560	47.41	44.0	2.4
20.0	65.6	8.630	47.53	14.0	.8
25.0	82.0	8.770	47.79	28.0	1.5
30.0	98.4	8.960	48.13	38.0	2.1
35.0	114.8	9.150	48.47	38.0	2.1
40.0	131.2	9.410	48.94	52.0	2.9
45.0	147.6	9.730	49.51	64.0	3.5
50.0	164.0	9.990	49.98	52.0	2.9
55.0	180.4	10.110	50.20	24.0	1.3
60.0	196.8	10.410	50.74	60.0	3.3
65.0	213.2	10.670	51.21	52.0	2.9
70.0	229.6	10.960	51.73	58.0	3.2
75.0	246.0	11.230	52.21	54.0	3.0
80.0	262.4	11.460	52.63	46.0	2.5
85.0	278.8	11.750	53.15	58.0	3.2
90.0	295.2	12.020	53.64	54.0	3.0
95.0	311.6	12.340	54.21	64.0	3.5
100.0	328.0	12.620	54.72	56.0	3.1
105.0	344.4	13.070	55.53	90.0	4.9
110.0	360.8	13.180	55.72	22.0	1.2
115.0	377.2	13.460	56.23	56.0	3.1
120.0	393.6	13.740	56.73	56.0	3.1
125.0	410.0	14.040	57.27	60.0	3.3
130.0	426.4	14.240	57.63	40.0	2.2
135.0	442.8	14.570	58.23	66.0	3.6
140.0	459.2	14.780	58.60	42.0	2.3
145.0	475.6	15.040	59.07	52.0	2.9
150.0	492.0	15.320	59.58	56.0	3.1

LOCATION: CRESCENT AMS, OREGON
 22S/14E/ 3AC
 HOLE NUMBER: BFZ-CH
 DATE MEASURED: 8/ 4/76

64

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	5.290	41.52	.0	.0
12.5	41.0	5.490	41.88	30.0	4.4
15.0	49.2	5.570	42.03	32.0	1.8
17.5	57.4	5.600	42.08	12.0	.7
20.0	65.6	5.590	42.06	-4.0	-.2
22.5	73.8	5.600	42.08	4.0	.2
25.0	82.0	5.610	42.10	4.0	.2
27.5	90.2	5.640	42.15	12.0	.7
30.0	98.4	5.650	42.17	4.0	.2
32.5	106.6	5.640	42.15	-4.0	-.2
35.0	114.8	5.610	42.10	-12.0	-.7
37.5	123.0	5.600	42.08	-4.0	-.2
40.0	131.2	5.590	42.06	-4.0	-.2
42.5	139.4	5.590	42.06	.0	.0
45.0	147.6	5.600	42.08	4.0	.2
47.5	155.8	5.600	42.08	.0	.0
50.0	164.0	5.620	42.12	8.0	.4
52.5	172.2	5.620	42.12	.0	.0
55.0	180.4	5.640	42.15	8.0	.4
57.5	188.6	5.660	42.19	8.0	.4
60.0	196.8	5.680	42.22	8.0	.4
62.5	205.0	5.700	42.26	8.0	.4
65.0	213.2	5.720	42.30	8.0	.4
67.5	221.4	5.750	42.35	12.0	.7
70.0	229.6	5.780	42.40	12.0	.7
75.0	246.0	5.820	42.48	8.0	.4

LOCATION: CRESCENT AMS, OREGON
 22S/15E/35AD
 HOLE NUMBER: BFZ-QM
 DATE MEASURED: 8/ 4/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	6.930	44.47	.0	.0
12.5	41.0	7.050	44.69	48.0	2.6
15.0	49.2	7.150	44.87	40.0	2.2
17.5	57.4	7.170	44.91	8.0	.4
20.0	65.6	7.210	44.98	16.0	.9
22.5	73.8	7.300	45.14	36.0	2.0
25.0	82.0	7.330	45.19	12.0	.7
27.5	90.2	7.340	45.21	4.0	.2
30.0	98.4	7.440	45.39	40.0	2.2
32.5	106.6	7.440	45.39	.0	.0
35.0	114.8	7.470	45.45	12.0	.7
37.5	123.0	7.590	45.66	48.0	2.6
40.0	131.2	7.620	45.72	12.0	.7

LOCATION: CRESCENT AMS, OREGON
 22S/19E/32AD
 HOLE NUMBER: 8FZ-FBE
 DATE MEASURED: 8/ 3/76

65

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.030	48.25	.0	.0
12.5	41.0	9.330	48.79	120.0	6.6
15.0	49.2	9.510	49.12	72.0	4.0
17.5	57.4	9.620	49.32	44.0	2.4
20.0	65.6	9.700	49.46	32.0	1.8
22.5	73.8	9.810	49.66	44.0	2.4
25.0	82.0	9.930	49.87	48.0	2.6
27.5	90.2	10.020	50.04	36.0	2.0
30.0	98.4	10.120	50.22	40.0	2.2
32.5	106.6	10.220	50.40	40.0	2.2
35.0	114.8	10.310	50.56	36.0	2.0
37.5	123.0	10.400	50.72	36.0	2.0
40.0	131.2	10.560	51.01	64.0	3.5
42.5	139.4	10.730	51.31	68.0	3.7
45.0	147.6	11.060	51.91	132.0	7.2
47.5	155.8	11.320	52.38	104.0	5.7
50.0	164.0	11.470	52.65	60.0	3.3

LOCATION: BOISE AMS, OREGON
 22S/46E/10BB
 HOLE NUMBER: PWX
 DATE MEASURED: 9/22/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	16.330	61.39	.0	.0
15.0	49.2	17.260	63.07	186.0	10.2
20.0	65.6	17.890	64.20	126.0	6.9
22.5	73.8	17.930	64.27	16.0	.9
25.0	82.0	17.970	64.35	16.0	.9
27.5	90.2	18.020	64.44	20.0	1.1
30.0	98.4	18.050	64.49	12.0	.7
32.5	106.6	18.280	64.90	92.0	5.0

LOCATION: BEISE AMS, OREGON
22S/46E/25AD

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HOLE NUMBER: BS-WW

DATE MEASURED: 9/22/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.570	58.23	•0	•0
20.0	65.6	15.180	59.32	61.0	3.3
25.0	82.0	15.340	59.61	32.0	1.8
30.0	98.4	15.580	60.04	48.0	2.6
35.0	114.8	16.030	60.85	90.0	4.9
40.0	131.2	16.320	61.38	58.0	3.2
45.0	147.6	17.010	62.62	138.0	7.6
50.0	164.0	17.410	63.34	80.0	4.4
55.0	180.4	17.650	63.77	48.0	2.6
60.0	196.8	18.000	64.40	70.0	3.8
65.0	213.2	18.320	64.98	64.0	3.5
70.0	229.6	18.680	65.62	72.0	4.0
75.0	246.0	19.040	66.27	72.0	4.0
80.0	262.4	19.430	66.97	78.0	4.3
85.0	278.8	19.790	67.62	72.0	4.0
90.0	295.2	20.200	68.36	82.0	4.5
95.0	311.6	20.550	68.99	70.0	3.8
100.0	328.0	20.950	69.71	80.0	4.4
105.0	344.4	21.320	70.38	74.0	4.1
110.0	360.8	21.770	71.19	90.0	4.9
115.0	377.2	22.280	72.10	102.0	5.6
120.0	393.6	22.750	72.95	94.0	5.2
125.0	410.0	23.070	73.53	64.0	3.5

LOCATION: BOISE AMS, OREGON
22S/46E/35BA

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HOLE NUMBER: AC-WW

DATE MEASURED: 9/21/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	13.950	57.11	.0	.0
10.0	32.8	14.260	57.67	124.0	6.8
12.5	41.0	14.530	58.15	108.0	5.9
15.0	49.2	14.900	58.82	148.0	8.1
17.5	57.4	15.200	59.36	120.0	6.6
20.0	65.6	15.510	59.92	124.0	6.8
22.5	73.8	15.770	60.39	104.0	5.7
25.0	82.0	16.080	60.94	124.0	6.8
27.5	90.2	16.320	61.38	96.0	5.3
30.0	98.4	16.630	61.93	124.0	6.8
32.5	106.6	16.910	62.44	112.0	6.1
35.0	114.8	17.190	62.94	112.0	6.1
37.5	123.0	17.440	63.39	100.0	5.5
40.0	131.2	17.770	63.99	132.0	7.2
42.5	139.4	17.980	64.36	84.0	4.6
45.0	147.6	18.320	64.98	136.0	7.5
47.5	155.8	18.550	65.39	92.0	5.0
50.0	164.0	18.830	65.89	112.0	6.1
52.5	172.2	19.050	66.29	38.0	4.8
55.0	180.4	19.360	66.85	124.0	6.8
57.5	188.6	19.590	67.26	92.0	5.0
60.0	196.8	19.890	67.80	120.0	6.6
62.5	205.0	20.140	68.25	100.0	5.5
65.0	213.2	20.400	68.72	104.0	5.7
67.5	221.4	20.640	69.15	96.0	5.3
70.0	229.6	20.880	69.58	96.0	5.3
72.5	237.8	21.130	70.03	100.0	5.5
75.0	246.0	21.380	70.48	100.0	5.5
77.5	254.2	21.560	70.81	72.0	4.0

LOCATION: CRESCENT AMS, OREGON
 23S/ 9E/36BB
 HOLE NUMBER: SH-WW
 DATE MEASURED: 10/ 1/75

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.265	45.08	.0	.0
20.0	65.6	7.156	44.88	-10.9	-1.6
30.0	98.4	7.030	44.65	-12.6	-1.7
40.0	131.2	7.025	44.64	-1.5	-1.0
50.0	164.0	7.025	44.64	.0	.0
60.0	196.8	7.025	44.64	.0	.0
70.0	229.6	7.025	44.64	.0	.0
80.0	262.4	7.025	44.64	.0	.0
90.0	295.2	7.025	44.64	.0	.0
100.0	328.0	7.025	44.64	.0	.0
110.0	360.8	7.025	44.64	.0	.0
120.0	393.6	7.025	44.64	.0	.0
130.0	426.4	7.025	44.64	.0	.0

LOCATION: CRESCENT AMS, OREGON
 23S/19E/ 5B
 HOLE NUMBER: BFZ-FBS
 DATE MEASURED: 8/ 3/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.760	47.77	.0	.0
15.0	49.2	9.150	48.47	78.0	4.3
20.0	65.6	9.520	49.14	74.0	4.1
25.0	82.0	9.860	49.75	68.0	3.7
30.0	98.4	10.080	50.14	44.0	2.4
35.0	114.8	10.330	50.59	50.0	2.7
40.0	131.2	10.520	50.94	38.0	2.1
45.0	147.6	10.930	51.67	82.0	4.5
50.0	164.0	11.540	52.77	122.0	6.7
55.0	180.4	12.140	53.85	120.0	6.6
60.0	196.8	12.600	54.68	92.0	5.0
65.0	213.2	13.050	55.49	90.0	4.9
70.0	229.6	13.570	56.43	104.0	5.7
75.0	246.0	13.810	56.86	48.0	2.6
80.0	262.4	14.080	57.34	54.0	3.0
85.0	278.8	14.310	57.76	46.0	2.5
90.0	295.2	14.600	58.28	58.0	3.2
95.0	311.6	14.880	58.78	56.0	3.1
100.0	328.0	15.080	59.14	40.0	2.2
105.0	344.4	15.380	59.68	60.0	3.3
110.0	360.8	15.620	60.12	48.0	2.6
115.0	377.2	15.860	60.55	48.0	2.6
120.0	393.6	16.130	61.03	54.0	3.0
125.0	410.0	16.420	61.56	58.0	3.2
130.0	426.4	16.650	61.97	46.0	2.5
135.0	442.8	16.870	62.37	44.0	2.4
140.0	459.2	17.130	62.83	52.0	2.9
145.0	475.6	17.440	63.39	62.0	3.4
150.0	492.0	17.640	63.75	40.0	2.2

LOCATION: BURNS AMS, OREGON
23S/26E/25AB
HOLE NUMBER: GVR-WW2
DATE MEASURED: 7/ 9/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	8.680	47.62	.0	.0
20.0	65.6	9.600	49.28	92.0	5.0
30.0	98.4	10.440	50.79	84.0	4.6
32.5	106.6	10.470	50.85	12.0	.7
35.0	114.8	10.490	50.88	8.0	.4
37.5	123.0	10.540	50.97	20.0	1.1
40.0	131.2	10.570	51.03	12.0	.7
42.5	139.4	10.590	51.06	8.0	.4
45.0	147.6	10.610	51.10	8.0	.4
47.5	155.8	10.630	51.13	8.0	.4
50.0	164.0	10.650	51.17	8.0	.4
55.0	180.4	10.710	51.28	12.0	.7
60.0	196.8	10.800	51.44	18.0	1.0
65.0	213.2	10.970	51.75	34.0	1.9
70.0	229.6	11.110	52.00	28.0	1.5
75.0	246.0	11.310	52.36	40.0	2.2
80.0	262.4	11.470	52.65	32.0	1.8
85.0	278.8	11.550	52.79	16.0	.9
90.0	295.2	11.650	52.97	20.0	1.1
95.0	311.6	11.880	53.38	46.0	2.5
100.0	328.0	12.200	53.96	64.0	3.5
105.0	344.4	12.620	54.72	84.0	4.6
110.0	360.8	12.970	55.35	70.0	3.8
115.0	377.2	13.300	55.94	66.0	3.6
120.0	393.6	13.570	56.43	54.0	3.0
125.0	410.0	14.120	57.42	110.0	6.0

LOCATION: BURNS AMS, OREGON
23S/27E/29BB
HOLE NUMBER: GVR-WW1
DATE MEASURED: 7/ 9/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.490	49.08	.0	.0
20.0	65.6	8.840	47.91	-55.0	-3.6
30.0	98.4	9.070	48.33	23.0	1.3
32.5	106.6	9.090	48.36	8.0	.4
35.0	114.8	9.100	48.38	4.0	.2
37.5	123.0	9.120	48.42	8.0	.4
40.0	131.2	9.140	48.45	8.0	.4
42.5	139.4	9.180	48.52	16.0	.9
45.0	147.6	9.200	48.56	8.0	.4
47.5	155.8	9.210	48.58	4.0	.2
50.0	164.0	9.210	48.58	.0	.0
55.0	180.4	9.240	48.63	6.0	.3
60.0	196.8	9.260	48.67	4.0	.2
65.0	213.2	9.280	48.70	4.0	.2
70.0	229.6	9.310	48.76	6.0	.3
75.0	246.0	9.330	48.79	4.0	.2
80.0	262.4	9.350	48.83	4.0	.2
85.0	278.8	9.370	48.87	4.0	.2
90.0	295.2	9.410	48.94	8.0	.4
95.0	311.6	9.520	49.14	22.0	1.2
100.0	328.0	9.670	49.41	30.0	1.6
105.0	344.4	9.900	49.82	46.0	2.5
110.0	360.8	10.120	50.22	44.0	2.4
115.0	377.2	10.410	50.74	58.0	3.2

LOCATION: BOISE AMS, OREGON
23S/46E/213C
HOLE NUMBER: RDH-CKC
DATE MEASURED: 12/ 8/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.850	56.93	.0	.0
20.0	65.6	14.610	58.30	76.0	4.2
25.0	82.0	15.000	59.00	78.0	4.3
30.0	98.4	15.270	59.49	54.0	3.0
35.0	114.8	15.610	60.10	68.0	3.7
40.0	131.2	15.780	60.40	34.0	1.9
45.0	147.6	16.020	60.84	48.0	2.6
50.0	164.0	16.290	61.32	54.0	3.0
55.0	180.4	16.550	61.79	52.0	2.9
60.0	196.8	16.780	62.20	46.0	2.5
65.0	213.2	17.180	62.92	80.0	4.4
70.0	229.6	17.550	63.59	74.0	4.1
75.0	246.0	17.900	64.22	70.0	3.8
80.0	262.4	18.190	64.74	58.0	3.2
85.0	278.8	18.520	65.34	66.0	3.6
90.0	295.2	18.810	65.86	58.0	3.2
95.0	311.6	19.060	66.31	50.0	2.7
100.0	328.0	19.470	67.05	82.0	4.5
105.0	344.4	19.840	67.71	74.0	4.1
110.0	360.8	20.200	68.36	72.0	4.0
115.0	377.2	20.530	68.95	66.0	3.6
120.0	393.6	20.860	69.55	66.0	3.6
125.0	410.0	21.170	70.11	62.0	3.4
130.0	426.4	21.500	70.70	66.0	3.6
135.0	442.8	21.780	71.20	56.0	3.1
140.0	459.2	22.000	71.60	44.0	2.4

LOCATION: BOISE AMS, OREGON
23S/47E/ 6CD

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HOLE NUMBER: KWW

DATE MEASURED: 9/21/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	14.750	58.55	.0	.0
7.5	24.6	15.000	59.00	100.0	5.5
10.0	32.8	15.490	59.88	196.0	10.8
12.5	41.0	16.010	60.82	208.0	11.4
15.0	49.2	16.390	61.50	152.0	8.3
17.5	57.4	16.840	62.31	180.0	9.9
20.0	65.6	17.320	63.18	192.0	10.5
22.5	73.8	17.710	63.88	156.0	8.6
25.0	82.0	18.160	64.69	180.0	9.9
27.5	90.2	18.490	65.28	132.0	7.2
30.0	98.4	18.870	65.97	152.0	8.3
32.5	106.6	19.200	66.56	132.0	7.2
35.0	114.8	19.540	67.17	136.0	7.5
37.5	123.0	20.050	68.09	204.0	11.2
40.0	131.2	20.640	69.15	236.0	13.0
42.5	139.4	21.010	69.82	148.0	8.1
45.0	147.6	21.380	70.48	148.0	8.1
47.5	155.8	21.690	71.04	124.0	6.8
50.0	164.0	22.130	71.83	176.0	9.7
52.5	172.2	22.400	72.32	108.0	5.9
55.0	180.4	22.850	73.13	180.0	9.9
57.5	188.6	23.110	73.60	104.0	5.7
60.0	196.8	23.480	74.26	148.0	8.1
62.5	205.0	23.710	74.68	92.0	5.0

LOCATION: CRESCENT AMS, OREGON
24S/ 7E/ 7DB

HOLE NUMBER: WP-WW

DATE MEASURED: 10/ 5/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
30.0	98.4	5.460	41.83	.0	.0
40.0	131.2	5.380	41.68	-8.0	-4.4
45.0	147.6	5.430	41.77	10.0	.5

LOCATION: BURNS AMS, OREGON

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24S/25E/ 3BD

HOLE NUMBER: BFZ-SB

DATE MEASURED: 8/ 2/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.740	51.33	.0	.0
12.5	41.0	10.970	51.75	92.0	5.0
15.0	49.2	11.060	51.91	36.0	2.0
17.5	57.4	11.180	52.12	48.0	2.6
20.0	65.6	11.430	52.57	100.0	5.5
22.5	73.8	11.810	53.26	152.0	8.3
25.0	82.0	12.100	53.78	116.0	6.4
27.5	90.2	12.310	54.16	84.0	4.6
30.0	98.4	12.520	54.54	84.0	4.6
32.5	106.6	12.900	55.22	152.0	8.3
35.0	114.8	13.230	55.81	132.0	7.2
37.5	123.0	13.480	56.26	100.0	5.5
40.0	131.2	13.730	56.71	100.0	5.5
42.5	139.4	13.920	57.06	76.0	4.2
45.0	147.6	14.000	57.20	32.0	1.8
47.5	155.8	14.050	57.29	20.0	1.1
50.0	164.0	14.040	57.27	-4.0	-.2
52.5	172.2	14.040	57.27	.0	.0
55.0	180.4	14.040	57.27	.0	.0
57.5	188.6	14.060	57.31	8.0	.4
60.0	196.8	14.090	57.36	12.0	.7

LOCATION: BURNS AMS, OREGON
24S/26E/13DC
HOLE NUMBER: BFZ-SR
DATE MEASURED: 8/ 3/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.990	53.58	.0	.0
20.0	65.6	12.790	55.02	80.0	4.4
30.0	98.4	13.690	56.64	90.0	4.9
40.0	131.2	14.120	57.42	43.0	2.4
50.0	164.0	14.940	58.89	82.0	4.5
55.0	180.4	15.090	59.16	30.0	1.6
60.0	196.8	15.430	59.77	68.0	3.7
65.0	213.2	15.750	60.35	64.0	3.5
70.0	229.6	16.020	60.84	54.0	3.0
75.0	246.0	16.230	61.21	42.0	2.3
80.0	262.4	16.440	61.59	42.0	2.3
85.0	278.8	16.670	62.01	46.0	2.5
90.0	295.2	16.880	62.38	42.0	2.3
95.0	311.6	17.120	62.82	48.0	2.6
100.0	328.0	17.360	63.25	48.0	2.6
105.0	344.4	17.600	63.68	48.0	2.6
110.0	360.8	17.810	64.06	42.0	2.3
115.0	377.2	18.010	64.42	40.0	2.2
120.0	393.6	18.260	64.87	50.0	2.7
125.0	410.0	18.370	65.07	22.0	1.2
130.0	426.4	18.620	65.52	50.0	2.7
135.0	442.8	18.860	65.95	48.0	2.6
140.0	459.2	19.100	66.38	48.0	2.6
145.0	475.6	19.420	66.96	64.0	3.5

LOCATION: BURNS AMS, OREGON
24S/37E/33JC

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HOLE NUMBER: MR-VW

DATE MEASURED: 6/15/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.490	56.28	•0	•0
15.0	49.2	13.790	56.82	60.0	3.3
20.0	65.6	13.990	57.18	40.0	2.2
25.0	82.0	14.090	57.36	20.0	1.1
30.0	98.4	14.210	57.58	24.0	1.3
35.0	114.8	14.470	58.05	52.0	2.9
40.0	131.2	14.700	58.46	46.0	2.5
45.0	147.6	15.110	59.20	82.0	4.5
50.0	164.0	15.520	59.94	82.0	4.5
55.0	180.4	15.810	60.46	58.0	3.2
60.0	196.8	16.260	61.27	90.0	4.9
65.0	213.2	16.640	61.95	76.0	4.2
70.0	229.6	17.000	62.60	72.0	4.0
75.0	246.0	17.400	63.32	80.0	4.4
80.0	262.4	17.740	63.93	68.0	3.7
85.0	278.8	18.120	64.62	76.0	4.2
90.0	295.2	18.470	65.25	70.0	3.8
95.0	311.6	18.780	65.80	62.0	3.4
100.0	328.0	19.130	66.43	70.0	3.8
105.0	344.4	19.490	67.08	72.0	4.0
110.0	360.8	19.820	67.68	66.0	3.6
115.0	377.2	20.200	68.36	76.0	4.2
120.0	393.6	20.550	68.99	70.0	3.8
125.0	410.0	20.890	69.60	68.0	3.7
130.0	426.4	21.150	70.07	52.0	2.9
135.0	442.8	21.510	70.72	72.0	4.0
140.0	459.2	21.830	71.29	64.0	3.5
145.0	475.6	22.290	72.12	92.0	5.0
150.0	492.0	22.570	72.63	56.0	3.1
155.0	508.4	22.850	73.13	56.0	3.1
160.0	524.8	23.290	73.92	88.0	4.8
165.0	541.2	23.690	74.64	80.0	4.4
170.0	557.6	24.290	75.72	120.0	6.6
175.0	574.0	24.780	76.60	98.0	5.4
180.0	590.4	25.130	77.23	70.0	3.8
185.0	606.8	25.450	77.81	64.0	3.5
190.0	623.2	25.750	78.35	60.0	3.3
195.0	639.6	26.590	79.86	168.0	9.2
197.5	647.8	26.940	80.49	140.0	7.7

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.110	53.80	.0	.0
15.0	49.2	12.520	54.54	82.0	4.5
20.0	65.6	12.790	55.02	54.0	3.0
25.0	82.0	12.910	55.24	24.0	1.3
30.0	98.4	13.180	55.72	54.0	3.0
35.0	114.8	13.490	56.28	62.0	3.4
40.0	131.2	13.810	56.86	64.0	3.5
45.0	147.6	13.990	57.18	36.0	2.0
50.0	164.0	14.200	57.56	42.0	2.3
55.0	180.4	14.380	57.88	36.0	2.0
60.0	196.8	14.640	58.35	52.0	2.9
65.0	213.2	14.950	58.91	62.0	3.4
70.0	229.6	15.200	59.36	50.0	2.7
75.0	246.0	15.480	59.86	56.0	3.1
80.0	262.4	15.770	60.39	58.0	3.2
85.0	278.8	16.060	60.91	58.0	3.2
90.0	295.2	16.400	61.52	68.0	3.7
95.0	311.6	16.580	61.84	36.0	2.0
100.0	328.0	16.960	62.53	76.0	4.2
105.0	344.4	17.260	63.07	60.0	3.3
110.0	360.8	17.610	63.70	70.0	3.8
115.0	377.2	17.850	64.13	48.0	2.6
120.0	393.6	18.050	64.49	40.0	2.2
125.0	410.0	18.300	64.94	50.0	2.7
130.0	426.4	18.500	65.30	40.0	2.2
135.0	442.8	18.730	65.71	46.0	2.5
140.0	459.2	19.000	66.20	54.0	3.0
145.0	475.6	19.230	66.61	46.0	2.5
150.0	492.0	19.460	67.03	46.0	2.5

LOCATION: BOISE AMS, OREGON
 26S/46E/28AB
 HOLE NUMBER: RDH-RKVL
 DATE MEASURED: 12/ 8/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.050	53.69	.0	.0
15.0	49.2	12.500	54.50	90.0	4.9
20.0	65.6	12.840	55.11	68.0	3.7
25.0	82.0	13.270	55.89	86.0	4.7
30.0	98.4	13.700	56.66	86.0	4.7
35.0	114.8	14.030	57.25	66.0	3.6
40.0	131.2	14.430	57.97	80.0	4.4
45.0	147.6	14.770	58.59	68.0	3.7
50.0	164.0	15.130	59.23	72.0	4.0
55.0	180.4	15.480	59.86	70.0	3.8
60.0	196.8	15.840	60.51	72.0	4.0
65.0	213.2	16.200	61.16	72.0	4.0
70.0	229.6	16.530	61.75	66.0	3.6
75.0	246.0	16.940	62.49	82.0	4.5
80.0	262.4	17.280	63.10	68.0	3.7
85.0	278.8	17.700	63.86	84.0	4.6
90.0	295.2	18.120	64.62	84.0	4.6
95.0	311.6	18.530	65.35	82.0	4.5
100.0	328.0	18.990	66.18	92.0	5.0
105.0	344.4	19.280	66.70	58.0	3.2
110.0	360.8	19.590	67.26	62.0	3.4
115.0	377.2	20.070	68.13	96.0	5.3
120.0	393.6	20.510	68.92	88.0	4.8
125.0	410.0	20.720	69.30	42.0	2.3

LOCATION: BURNS AMS, OREGON

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27S/38E/23CC

HOLE NUMBER: HR-WW

DATE MEASURED: 7/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.200	50.36	.0	.0
12.5	41.0	10.230	50.41	12.0	.7
15.0	49.2	10.240	50.43	4.0	.2
17.5	57.4	10.250	50.45	4.0	.2
20.0	65.6	10.250	50.45	.0	.0
22.5	73.8	10.260	50.47	4.0	.2
25.0	82.0	10.290	50.52	12.0	.7
27.5	90.2	10.290	50.52	.0	.0
30.0	98.4	10.340	50.61	20.0	1.1
35.0	114.8	10.430	50.77	18.0	1.0
40.0	131.2	10.520	50.94	18.0	1.0
45.0	147.6	10.650	51.17	26.0	1.4
50.0	164.0	10.810	51.46	32.0	1.8
55.0	180.4	11.050	51.89	48.0	2.6
60.0	196.8	11.320	52.38	54.0	3.0
65.0	213.2	11.590	52.86	54.0	3.0
70.0	229.6	11.870	53.37	56.0	3.1
75.0	246.0	12.160	53.89	58.0	3.2
80.0	262.4	12.440	54.39	56.0	3.1
85.0	278.8	12.710	54.88	54.0	3.0
90.0	295.2	12.990	55.38	56.0	3.1
95.0	311.6	13.290	55.92	60.0	3.3
100.0	328.0	13.560	56.41	54.0	3.0
105.0	344.4	14.020	57.24	92.0	5.0
110.0	360.8	14.640	58.35	124.0	6.8
115.0	377.2	14.970	58.95	66.0	3.6
120.0	393.6	15.370	59.67	80.0	4.4
125.0	410.0	15.700	60.26	56.0	3.6
130.0	426.4	15.990	60.78	58.0	3.2
135.0	442.8	16.220	61.20	46.0	2.5
140.0	459.2	16.500	61.70	56.0	3.1
145.0	475.6	16.860	62.35	72.0	4.0
150.0	492.0	17.230	63.01	74.0	4.1
155.0	508.4	17.750	63.95	104.0	5.7
160.0	524.8	18.270	64.89	104.0	5.7
165.0	541.2	18.730	65.71	92.0	5.0
170.0	557.6	19.310	66.76	116.0	6.4
175.0	574.0	19.710	67.48	80.0	4.4
180.0	590.4	20.510	68.92	160.0	8.8

LOCATION: BOISE AMS, OREGON
27S/46E/25CA
HOLE NUMBER: SC-WW
DATE MEASURED: 4/22/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.950	51.71	.0	.0
15.0	49.2	11.490	52.68	108.0	5.9
17.5	57.4	11.650	52.97	64.0	3.5
20.0	65.6	11.840	53.31	76.0	4.2
22.5	73.8	12.000	53.60	64.0	3.5
25.0	82.0	12.190	53.94	76.0	4.2
27.5	90.2	12.400	54.32	84.0	4.6
30.0	98.4	12.580	54.64	72.0	4.0
32.5	106.6	12.750	54.95	68.0	3.7
35.0	114.8	12.960	55.33	84.0	4.6
37.5	123.0	13.080	55.54	48.0	2.6
40.0	131.2	13.390	56.10	124.0	6.8
42.5	139.4	13.490	56.28	40.0	2.2

LOCATION: BOISE AMS, OREGON
28S/46E/14AD
HOLE NUMBER: SHW
DATE MEASURED: 4/21/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.030	50.05	.0	.0
15.0	49.2	10.620	51.12	118.0	6.5
17.5	57.4	10.900	51.62	112.0	6.1
20.0	65.6	11.130	52.03	92.0	5.0
22.5	73.8	11.310	52.36	72.0	4.0
25.0	82.0	11.470	52.65	64.0	3.5
27.5	90.2	11.600	52.88	52.0	2.9

LOCATION: BOISE AMS, OREGON
 28S/46E/243B
 HOLE NUMBER: 0S-WW
 DATE MEASURED: 7/27/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.330	52.39	.0	.0
15.0	49.2	11.740	53.13	82.0	4.5
20.0	65.6	12.150	53.87	82.0	4.5
25.0	82.0	12.450	54.41	60.0	3.3
30.0	98.4	12.730	54.91	56.0	3.1
35.0	114.8	12.920	55.26	38.0	2.1
40.0	131.2	13.070	55.53	30.0	1.6
45.0	147.6	13.150	55.67	16.0	.9
50.0	164.0	13.210	55.78	12.0	.7
55.0	180.4	13.270	55.89	12.0	.7
60.0	196.8	13.350	56.03	16.0	.9
65.0	213.2	13.550	56.39	40.0	2.2
70.0	229.6	13.790	56.82	48.0	2.6
75.0	246.0	13.990	57.18	40.0	2.2
80.0	262.4	14.170	57.51	36.0	2.0
85.0	278.8	14.290	57.72	24.0	1.3
90.0	295.2	15.090	59.16	160.0	8.8
95.0	311.6	15.140	59.25	10.0	.5
100.0	328.0	15.280	59.50	28.0	1.5

LOCATION: JORDAN VALLEY AMS, OREGON
 29S/45E/36DD
 HOLE NUMBER: HC-WW
 DATE MEASURED: 5/ 3/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.130	52.03	.0	.0
12.5	41.0	11.320	52.38	76.0	4.2
15.0	49.2	11.430	52.57	44.0	2.4
17.5	57.4	11.530	52.75	40.0	2.2
20.0	65.6	11.660	52.99	52.0	2.9
22.5	73.8	11.740	53.13	32.0	1.8
25.0	82.0	11.880	53.38	56.0	3.1
27.5	90.2	12.010	53.62	52.0	2.9
30.0	98.4	12.110	53.80	40.0	2.2
32.5	106.6	12.260	54.07	60.0	3.3
35.0	114.8	12.310	54.16	20.0	1.1

LOCATION: BOISE AMS, OREGON
 29S/46E/25ABC
 HOLE NUMBER: BC-WW
 DATE MEASURED: 7/30/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.910	49.84	.0	.0
12.5	41.0	10.170	50.31	104.0	5.7
15.0	49.2	10.350	50.63	72.0	4.0
17.5	57.4	10.570	51.03	88.0	4.8
20.0	65.6	10.760	51.37	76.0	4.2
22.5	73.8	10.960	51.73	80.0	4.4
25.0	82.0	11.140	52.05	72.0	4.0
27.5	90.2	11.310	52.36	68.0	3.7
30.0	98.4	11.510	52.72	80.0	4.4
32.5	106.6	11.670	53.01	64.0	3.5
35.0	114.8	11.840	53.31	68.0	3.7
37.5	123.0	11.980	53.56	56.0	3.1
40.0	131.2	12.150	53.87	68.0	3.7
42.5	139.4	12.310	54.16	64.0	3.5
45.0	147.6	12.430	54.37	48.0	2.6
47.5	155.8	12.520	54.54	36.0	2.0
50.0	164.0	12.840	55.11	128.0	7.0
52.5	172.2	13.070	55.53	92.0	5.0
55.0	180.4	13.230	55.81	64.0	3.5

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/43E/28CC
 HOLE NUMBER: MBR-WW
 DATE MEASURED: 4/27/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.290	52.32	.0	.0
15.0	49.2	11.440	52.59	30.0	1.6
20.0	65.6	11.690	53.04	50.0	2.7
25.0	82.0	11.770	53.19	16.0	.9
27.5	90.2	11.830	53.29	24.0	1.3
30.0	98.4	12.010	53.62	72.0	4.0

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/46E/2DAD
 HOLE NUMBER: JVHS-WW
 DATE MEASURED: 7/28/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.930	49.87	.0	.0
12.5	41.0	10.020	50.04	36.0	2.0
15.0	49.2	10.070	50.13	20.0	1.1
17.5	57.4	10.100	50.18	12.0	.7
20.0	65.6	10.170	50.31	28.0	1.5
22.5	73.8	10.240	50.43	28.0	1.5
25.0	82.0	10.280	50.50	16.0	.9

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/46E/ 2DDD
 HOLE NUMBER: JVT-WW
 DATE MEASURED: 7/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.280	55.90	.0	.0
12.5	41.0	13.560	56.41	112.0	6.1
15.0	49.2	13.770	56.79	84.0	4.6
17.5	57.4	13.910	57.04	56.0	3.1
20.0	65.6	14.020	57.24	44.0	2.4
22.5	73.8	14.130	57.43	44.0	2.4
25.0	82.0	14.260	57.67	52.0	2.9
27.5	90.2	14.340	57.81	32.0	1.8
30.0	98.4	14.430	57.97	36.0	2.0
32.5	106.6	14.550	58.19	48.0	2.6
35.0	114.8	14.670	58.41	48.0	2.6
37.5	123.0	14.920	58.86	100.0	5.5
40.0	131.2	15.080	59.14	64.0	3.5

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/46E/ 2DCD
 HOLE NUMBER: SWW
 DATE MEASURED: 7/28/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.670	51.21	.0	.0
12.5	41.0	10.780	51.40	44.0	2.4
15.0	49.2	10.840	51.51	24.0	1.3
17.5	57.4	10.980	51.76	36.0	3.1
20.0	65.6	11.100	51.98	48.0	2.6
22.5	73.8	11.210	52.18	44.0	2.4
25.0	82.0	11.430	52.57	88.0	4.8
27.5	90.2	11.730	53.11	120.0	6.6

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/46E/ 3DA
 HOLE NUMBER: JVA-WW
 DATE MEASURED: 7/27/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.860	53.35	.0	.0
12.5	41.0	12.260	54.07	160.0	8.8
15.0	49.2	12.570	54.63	124.0	6.8
17.5	57.4	12.780	55.00	84.0	4.6
20.0	65.6	13.080	55.54	120.0	6.6
22.5	73.8	13.350	56.03	108.0	5.9
25.0	82.0	13.560	56.41	84.0	4.6
27.5	90.2	13.850	56.93	116.0	6.4
30.0	98.4	13.990	57.18	56.0	3.1
32.5	106.6	14.230	57.61	96.0	5.3
35.0	114.8	14.480	58.06	100.0	5.5
37.5	123.0	14.660	58.39	72.0	4.0
40.0	131.2	14.900	58.82	96.0	5.3
42.5	139.4	15.080	59.14	72.0	4.0
45.0	147.6	15.190	59.34	44.0	2.4
47.5	155.8	15.300	59.54	44.0	2.4

LOCATION: JORDAN VALLEY AMS, OREGON
 30S/46E/13AA
 HOLE NUMBER: HR-WW
 DATE MEASURED: 4/30/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.780	49.60	.0	.0
15.0	49.2	10.130	50.23	70.0	3.8
20.0	65.6	10.520	50.94	78.0	4.3
25.0	82.0	10.680	51.22	32.0	1.8
30.0	98.4	10.690	51.24	2.0	.1
35.0	114.8	10.710	51.28	4.0	.2
40.0	131.2	10.760	51.37	10.0	.5
45.0	147.6	10.830	51.49	14.0	.8
50.0	164.0	10.920	51.66	18.0	1.0
55.0	180.4	11.010	51.82	18.0	1.0
60.0	196.8	11.150	52.07	28.0	1.5
65.0	213.2	11.280	52.30	26.0	1.4
70.0	229.6	11.410	52.54	26.0	1.4
75.0	246.0	11.570	52.83	32.0	1.8
80.0	262.4	11.750	53.15	36.0	2.0
85.0	278.8	11.920	53.46	34.0	1.9
90.0	295.2	12.160	53.89	48.0	2.6

LOCATION: JORDAN VALLEY AMS, OREGON
 31S/41E/140D
 HOLE NUMBER: EF-WW
 DATE MEASURED: 4/21/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.410	57.94	.0	.0
15.0	49.2	14.470	58.05	12.0	.7
20.0	65.6	14.540	58.17	14.0	.8
25.0	82.0	14.650	58.37	22.0	1.2
30.0	98.4	14.830	58.69	36.0	2.0
35.0	114.8	15.030	59.05	40.0	2.2
40.0	131.2	15.330	59.59	50.0	3.3
45.0	147.6	15.620	60.12	58.0	3.2
50.0	164.0	15.950	60.71	66.0	3.6
55.0	180.4	16.250	61.25	60.0	3.3
60.0	196.8	16.560	61.81	62.0	3.4
65.0	213.2	16.780	62.20	44.0	2.4
70.0	229.6	17.040	62.67	52.0	2.9
75.0	246.0	17.380	63.28	68.0	3.7
80.0	262.4	17.650	63.77	54.0	3.0
85.0	278.8	17.840	64.11	38.0	2.1
90.0	295.2	18.050	64.49	42.0	2.3
95.0	311.6	18.260	64.87	42.0	2.3
100.0	328.0	18.490	65.28	46.0	2.5
105.0	344.4	18.700	65.66	42.0	2.3
110.0	360.8	18.920	66.06	44.0	2.4
115.0	377.2	19.080	66.34	32.0	1.8
120.0	393.6	19.240	66.63	32.0	1.8

LOCATION: JORDAN VALLEY AMS, OREGON
 31S/42E/ 30A
 HOLE NUMBER: SWA-WW
 DATE MEASURED: 4/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.490	54.48	.0	.0
20.0	65.6	12.780	55.00	29.0	1.6
30.0	98.4	13.030	55.45	25.0	1.4
35.0	114.8	13.330	55.99	60.0	3.3
40.0	131.2	13.450	56.21	24.0	1.3
45.0	147.6	13.490	56.28	8.0	.4
50.0	164.0	13.560	56.41	14.0	.8
55.0	180.4	13.640	56.55	16.0	.9
60.0	196.8	13.730	56.71	18.0	1.0
65.0	213.2	13.830	56.89	20.0	1.1
70.0	229.6	13.930	57.07	20.0	1.1
75.0	246.0	14.040	57.27	22.0	1.2
80.0	262.4	14.850	58.73	162.0	8.9
85.0	278.8	16.520	61.74	334.0	18.3
90.0	295.2	18.070	64.53	310.0	17.0
95.0	311.6	18.760	65.77	138.0	7.6
100.0	328.0	19.110	66.40	70.0	3.8

LOCATION: JORDAN VALLEY AMS, OREGON
 31S/44E/15BA
 HOLE NUMBER: GWW
 DATE MEASURED: 7/29/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.100	51.98	.0	.0
15.0	49.2	11.500	52.70	80.0	4.4
20.0	65.6	11.910	53.44	82.0	4.5
30.0	98.4	12.510	54.52	60.0	3.3
40.0	131.2	13.460	56.23	95.0	5.2
50.0	164.0	14.330	57.79	87.0	4.8
60.0	196.8	14.870	58.77	54.0	3.0
70.0	229.6	15.970	60.75	110.0	6.0
80.0	262.4	16.810	62.26	84.0	4.6
85.0	278.8	16.980	62.56	34.0	1.9

LOCATION: JORDAN VALLEY AMS, OREGON
 32S/40E/17BC
 HOLE NUMBER: BJ-WW
 DATE MEASURED: 4/27/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.650	52.97	.0	.0
20.0	65.6	13.400	56.12	175.0	9.6
30.0	98.4	14.070	57.33	67.0	3.7
40.0	131.2	14.360	57.85	29.0	1.6
45.0	147.6	14.500	58.10	28.0	1.5
50.0	164.0	14.650	58.37	30.0	1.6
60.0	196.8	15.210	59.38	56.0	3.1
70.0	229.6	15.640	60.15	43.0	2.4
75.0	246.0	15.950	60.71	62.0	3.4
80.0	262.4	16.090	60.96	28.0	1.5
85.0	278.8	16.290	61.32	40.0	2.2
90.0	295.2	16.470	61.65	36.0	2.0
95.0	311.6	16.670	62.01	40.0	2.2
100.0	328.0	16.890	62.40	44.0	2.4
105.0	344.4	17.010	62.62	24.0	1.3

LOCATION: JORDAN VALLEY AMS, OREGON
 32S/40E/31CA
 HOLE NUMBER: BJS-WW
 DATE MEASURED: 5/ 6/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.660	45.79	.0	.0
15.0	49.2	10.600	51.08	588.0	32.3
20.0	65.6	11.520	52.74	184.0	10.1
25.0	82.0	12.360	54.25	168.0	9.2
30.0	98.4	14.160	57.49	360.0	19.8
35.0	114.8	15.790	60.42	326.0	17.9
40.0	131.2	17.490	63.48	340.0	18.7
45.0	147.6	17.520	63.54	6.0	.3
50.0	164.0	17.610	63.70	18.0	1.0
55.0	180.4	18.450	65.21	168.0	9.2
60.0	196.8	18.650	65.57	40.0	2.2
65.0	213.2	18.680	65.62	6.0	.3

LOCATION: JORDAN VALLEY AMS, OREGON
 32S/45E/ 38A
 HOLE NUMBER: BLMG-WW
 DATE MEASURED: 4/29/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.440	50.79	.0	.0
20.0	65.6	11.480	52.66	104.0	5.7
30.0	98.4	12.000	53.60	52.0	2.9
40.0	131.2	12.820	55.08	82.0	4.5
50.0	164.0	13.290	55.92	47.0	2.6
60.0	196.8	14.250	57.65	96.0	5.3
70.0	229.6	14.670	58.41	42.0	2.3
80.0	262.4	14.930	58.87	26.0	1.4
90.0	295.2	15.210	59.38	28.0	1.5
100.0	328.0	15.600	60.08	39.0	2.1
110.0	360.8	15.950	60.71	35.0	1.9
120.0	393.6	16.300	61.34	35.0	1.9
125.0	410.0	16.380	61.48	16.0	.9

LOCATION: JORDAN VALLEY AMS, OREGON
 33S/40E/19AC
 HOLE NUMBER: CC-WW
 DATE MEASURED: 4/28/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.320	56.88	.0	.0
15.0	49.2	14.120	57.42	60.0	3.3
17.5	57.4	14.140	57.45	8.0	.4
20.0	65.6	14.160	57.49	8.0	.4
22.5	73.8	14.180	57.52	8.0	.4
25.0	82.0	14.220	57.60	16.0	.9
27.5	90.2	14.320	57.78	40.0	2.2
30.0	98.4	14.370	57.87	20.0	1.1
32.5	106.6	14.410	57.94	16.0	.9
35.0	114.8	14.450	58.01	16.0	.9
37.5	123.0	14.460	58.03	4.0	.2

LOCATION: ADEL AMS, OREGON
 35S/37E/14DB
 HOLE NUMBER: TB-WW
 DATE MEASURED: 5/ 5/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.150	55.67	.0	.0
15.0	49.2	13.410	56.14	52.0	2.9
20.0	65.6	13.420	56.16	2.0	.1
22.5	73.8	13.430	56.17	4.0	.2
25.0	82.0	13.430	56.17	.0	.0
27.5	90.2	13.440	56.19	4.0	.2
30.0	98.4	13.460	56.23	8.0	.4
32.5	106.6	13.490	56.28	12.0	.7
35.0	114.8	13.510	56.32	8.0	.4
37.5	123.0	13.540	56.37	12.0	.7
40.0	131.2	13.550	56.39	4.0	.2
42.5	139.4	13.580	56.44	12.0	.7
45.0	147.6	13.660	56.59	32.0	1.8
47.5	155.8	13.710	56.68	20.0	1.1
50.0	164.0	13.790	56.82	32.0	1.8
52.5	172.2	13.870	56.97	32.0	1.8
55.0	180.4	13.890	57.00	8.0	.4
57.5	188.6	13.940	57.09	20.0	1.1
60.0	196.8	13.940	57.09	.0	.0
62.5	205.0	13.950	57.11	4.0	.2
65.0	213.2	13.960	57.13	4.0	.2
70.0	229.6	13.980	57.16	4.0	.2
75.0	246.0	14.000	57.20	4.0	.2
80.0	262.4	14.010	57.22	2.0	.1
85.0	278.8	14.030	57.25	4.0	.2
90.0	295.2	14.100	57.38	14.0	.8
100.0	328.0	14.630	58.33	53.0	2.9
110.0	360.8	15.120	59.34	56.0	3.1
115.0	377.2	15.390	59.70	40.0	2.2

LOCATION: JORDAN VALLEY AMS, OREGON
 36S/40E/24AB
 HOLE NUMBER: TMB-ww
 DATE MEASURED: 5/ 5/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.950	55.31	.0	.0
20.0	65.6	14.410	57.94	146.0	8.0
30.0	98.4	14.680	58.42	27.0	1.5
40.0	131.2	15.470	59.85	79.0	4.3
50.0	164.0	16.500	61.70	103.0	5.7
60.0	196.8	17.180	62.92	68.0	3.7
70.0	229.6	18.220	64.80	104.0	5.7
80.0	262.4	19.180	66.52	96.0	5.3
90.0	295.2	20.330	68.59	115.0	6.3
100.0	328.0	20.990	69.78	66.0	3.6
110.0	360.8	22.270	72.09	128.0	7.0
120.0	393.6	23.640	74.55	137.0	7.5

LOCATION: JORDAN VALLEY AMS, OREGON
 36S/41E/26AD
 HOLE NUMBER: BLMB-ww
 DATE MEASURED: 4/28/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	13.250	55.85	.0	.0
20.0	65.6	14.230	57.61	196.0	10.8
25.0	82.0	15.020	59.04	158.0	8.7
30.0	98.4	15.650	60.17	126.0	6.9
35.0	114.8	16.270	61.29	124.0	6.8
40.0	131.2	16.890	62.40	124.0	6.8
45.0	147.6	17.540	63.57	130.0	7.1
50.0	164.0	18.350	65.03	162.0	8.9
55.0	180.4	19.010	66.22	132.0	7.2
60.0	196.8	20.000	68.00	198.0	10.9
65.0	213.2	20.730	69.31	146.0	8.0

LOCATION: JORDAN VALLEY AMS, OREGON
 36S/42E/22CA
 HOLE NUMBER: BLM9P-WW
 DATE MEASURED: 5/ 4/76

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100
10.0	32.8	12.750	54.95	.0	.0
20.0	65.6	13.690	56.64	94.0	5.2
30.0	98.4	14.640	58.35	95.0	5.2
40.0	131.2	15.600	60.08	96.0	5.3
50.0	164.0	16.570	61.83	97.0	5.3
60.0	196.8	17.940	64.29	137.0	7.5
70.0	229.6	19.010	66.22	107.0	5.9
80.0	262.4	20.690	69.24	168.0	9.2
90.0	295.2	21.930	71.47	124.0	6.8
100.0	328.0	22.770	72.99	84.0	4.6
110.0	360.8	23.820	74.88	105.0	5.8
120.0	393.6	25.040	77.07	122.0	6.7
130.0	426.4	26.090	78.96	135.0	5.8
140.0	459.2	26.730	80.11	64.0	3.5
150.0	492.0	27.600	81.68	87.0	4.8
160.0	524.8	28.270	82.89	67.0	3.7
170.0	557.6	28.620	83.52	35.0	1.9
180.0	590.4	29.000	84.20	38.0	2.1

LOCATION: JORDAN VALLEY AMS, OREGON
 39S/41E/ 2AA
 HOLE NUMBER: ER-WW
 DATE MEASURED: 5/ 4/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 F
10.0	32.8	7.920	46.26	.0	.0
12.5	41.0	8.110	46.60	76.0	4.2
15.0	49.2	8.300	46.94	76.0	4.2
17.5	57.4	8.480	47.26	72.0	4.0
20.0	65.6	8.680	47.62	80.0	4.4
22.5	73.8	8.860	47.95	72.0	4.0
25.0	82.0	9.050	48.29	76.0	4.2
27.5	90.2	9.230	48.61	72.0	4.0
30.0	98.4	9.360	48.85	52.0	2.9
32.5	106.6	9.920	49.86	224.0	12.3
35.0	114.8	10.480	50.86	224.0	12.3
37.5	123.0	10.960	51.73	192.0	10.5
40.0	131.2	11.180	52.12	88.0	4.8
42.5	139.4	11.370	52.47	76.0	4.2

LOCATION: JORDAN VALLEY AMS, OREGON

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40S/43E/32DA

HOLE NUMBER: BLMA-WW

DATE MEASURED: 5/ 4/76

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.580	52.84	.0	.0
15.0	49.2	12.210	53.98	126.0	6.9
20.0	65.6	12.560	54.61	70.0	3.8
25.0	82.0	12.910	55.24	70.0	3.8
30.0	98.4	13.220	55.80	62.0	3.4
35.0	114.8	13.680	56.62	92.0	5.0
40.0	131.2	13.930	57.07	50.0	2.7























































































