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A. J. ...

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Audio-magnetotelluric station location map,
Island Park Known Geothermal Resource Area,
Idaho

Fremont Co

By

Carl L. Long, Donald B. Hoover, and
Charles T. Tippens

Open-File 76-700E

1976

This report is preliminary and has not been
edited or reviewed for conformity with U. S.
Geological Survey standards and nomenclature.

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EARTH SCIENCE LAB.

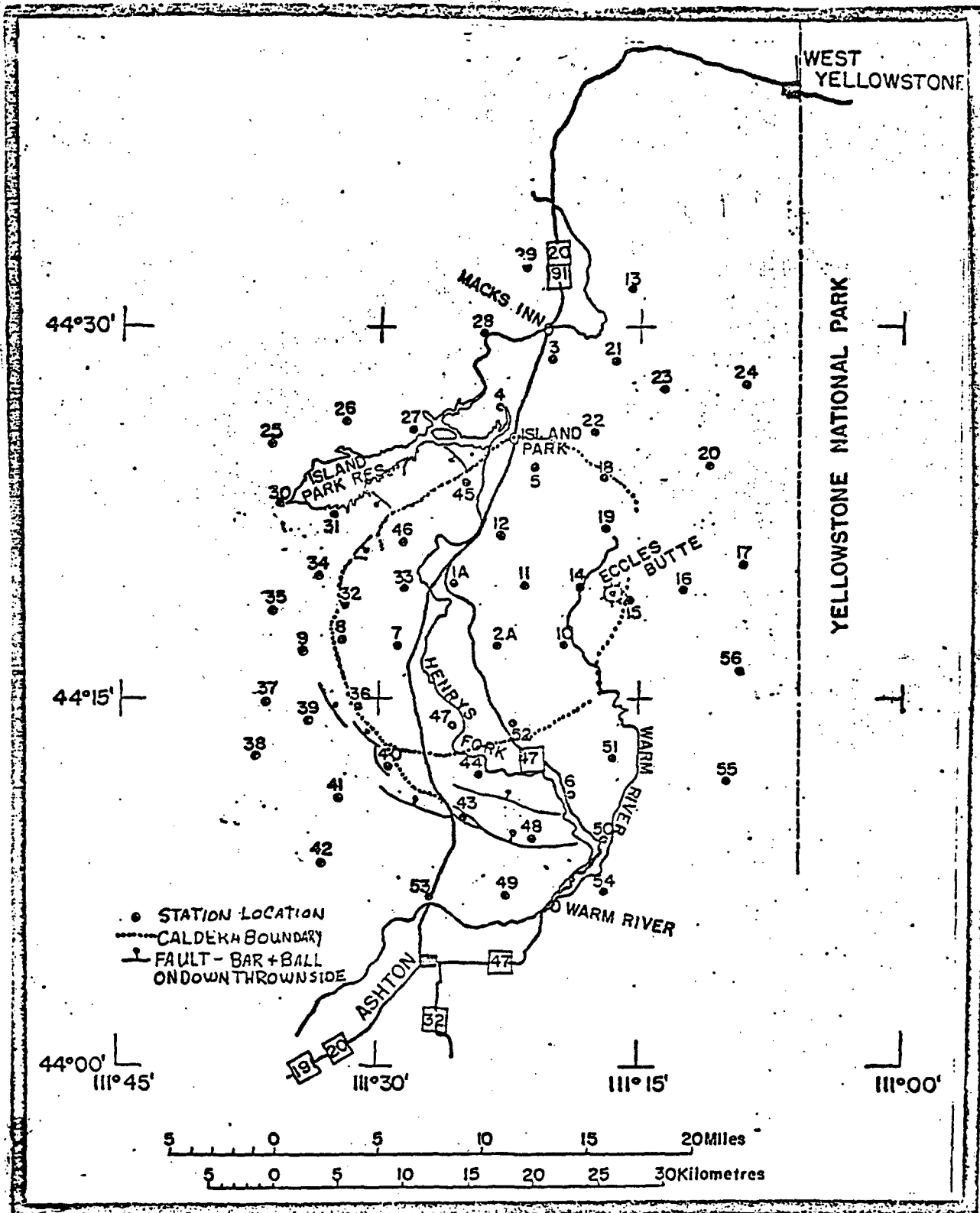


Figure 1

AUDIO-MAGNETOTELLURIC
 STATION LOCATION MAP
 ISLAND PARK KGRA, IDAHO

ISLAND PARK, Idaho
1974

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres
 N = number of observations
 Er = standard error in ohm metres - = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|------------------------------|----|-----------|------|------|------|------|------|------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 1 _{NS} | pa | 137 | - | 71 | 124 | 127 | 149 | 270 | - | 165 | 64 | 145 | 89 |
| | N | 6 | | 8 | 10 | 10 | 10 | 10 | | 13 | 10 | 3 | 1 |
| | Er | 21. | | 10.6 | 15.8 | 15.5 | 22.9 | 66 | | 25 | 4.3 | .29 | - |
| 1 _{EW} | pa | 140 | - | 252 | 114 | 141 | 162 | 499 | - | 1753 | 122 | 261 | 391 |
| | N | 8 | | 10 | 12 | 10 | 10 | 16 | | 13 | 11 | 1 | 1 |
| | Er | 21.3 | - | 39.7 | 6.1 | 19.7 | 23.5 | 70. | | 334. | 10.7 | - | - |
| 2 _{NS} ^R | pa | 1052 | - | 2201 | 1452 | 746 | 534 | 524 | - | 446 | 408 | 826 | 445 |
| | N | 7 | | 10 | 11 | 13 | 10 | 10 | | 10 | 12 | 1 | 1 |
| | Er | 227. | | 148 | 122. | 77.4 | 69.0 | 68.1 | | 46.3 | 28.9 | - | - |
| 2 _{EW} ^R | pa | 577 | - | 2506 | 1060 | 562 | 837 | 821 | - | 323 | 477 | 640 | 706 |
| | N | 4 | | 11 | 12 | 14 | 11 | 12 | | 16 | 12 | 1 | 1 |
| | Er | 110. | | 432. | 108. | 32.7 | 125. | 128. | | 40.7 | 58.8 | - | - |
| 3 _{NS} ^R | pa | 21.8 | 31.7 | 35. | 73. | 157. | 399 | - | - | 1024 | 576 | 638 | 194 |
| | N | 10 | 2 | 9. | 9 | 9 | 8 | | | 9 | 16 | 1 | 1 |
| | Er | 3.41 | 3.24 | 5.04 | 4.41 | 12.4 | 36.2 | | | 301. | 54.8 | - | - |
| 3 _{EW} ^R | pa | 76.8 | - | 144 | 176 | 254 | 729 | - | - | 1489 | 203 | 335 | 192 |
| | N | 7 | | 13 | 13 | 12 | 10 | | | 11 | 10 | 1 | 1 |
| | Er | 13.2 | | 23.7 | 24.7 | 16.0 | - | | | 220. | 18.5 | - | - |
| 4 _{NS} | pa | 30 | - | 45. | 131 | 157 | 580 | 710 | - | 815 | 159 | 330 | 184 |
| | N | 6 | | 12 | 17 | 15 | 10 | 9 | | 7 | 10 | 1 | 1 |
| | Er | 3.7 | | 5.4 | 11.4 | 9.3 | 137. | 63 | | 135. | 8.5 | - | - |
| 4 _{EW} | pa | 131 | - | 100 | 335 | 361 | 696 | 1537 | - | 1321 | 298 | 299 | 227 |
| | N | 3 | | 9 | 10 | 10 | 7 | 4 | | 5 | 13 | 1 | 1 |
| | Er | 49. | | 14.7 | 38.6 | 22.8 | 131 | 488. | | 716 | 28.6 | - | - |

ISLAND PARK

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

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| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|----------|----|-----------|----|------|------|------|------|------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 5NS | pa | 100. | - | 144 | 133 | 127 | 239 | 565 | - | 422 | 166 | 493 | 175 |
| | N | 5 | | 9 | 17 | 8 | 10 | 10 | | 7 | 10 | 1 | 1 |
| | Er | 17.6 | | 17.8 | 21.4 | 8.79 | 35.5 | 112. | | 55.2 | 18.1 | - | - |
| 5EW | pa | 60 | - | 99. | 107. | 85. | 56 | 85 | - | 214 | 286 | 349 | 213 |
| | N | 3 | | 8 | 11 | 11 | 6 | 8 | | 9 | 11 | 1 | 1 |
| | Er | 14.3 | | 17.1 | 11.1 | 6.87 | 6.0 | 13.2 | | 16.2 | 27.5 | - | - |
| 6NS | pa | 1907 | - | 1345 | 1298 | 1499 | 1576 | 2617 | - | 2642 | 287 | 218 | 251 |
| | N | 6 | | 8 | 8 | 12 | 8 | 11 | | - | 9 | 8 | 1 |
| | Er | 597. | | 307. | 238. | 133. | 223. | 330. | | - | 36.4 | 31.9 | - |
| 6EW | pa | 631 | - | 453 | 787 | 685 | 747 | 778 | - | 471. | 284 | 362 | 258 |
| | N | 10 | | 11 | 13 | 13 | 13 | 12 | | 10 | 13 | 1 | 1 |
| | Er | 161. | | 63.0 | 181. | 174 | 99.3 | 79.7 | | 107. | 27.2 | - | - |
| 7NS | pa | 70. | - | 121 | 168 | 142 | 176 | 247 | - | 115 | 107 | 589 | 226 |
| | N | 8 | | 12 | 12 | 12 | 13 | 10 | | 7 | 12 | 1 | 1 |
| | Er | 10.6 | | 17.3 | 27.8 | 9.89 | 30.8 | 49.8 | | 19.3 | 13.9 | - | - |
| 7EW | pa | 33.4 | - | 144 | 270 | 285 | 279 | 352 | - | 1019 | 560 | 447 | 562 |
| | N | 4 | | 11 | 13 | 14 | 11 | 6 | | 11 | 11 | 1 | 1 |
| | Er | 6.94 | | 13.9 | 24.0 | 33.5 | 27.9 | 153. | | 156. | 46.9 | - | - |
| 8NS | pa | 145 | - | 311. | 382 | 445 | 483 | 348 | - | 454 | 422 | 331 | 264 |
| | N | 7 | | 8 | 11 | 11 | 10 | 12 | | 9 | 11 | 1 | 1 |
| | Er | 40.5 | | 35.7 | 51.2 | 74. | 74. | 71.1 | | 55.8 | 15 | - | - |
| 8EW | pa | 104 | - | 242 | 293 | 248 | 250 | 357 | - | 457 | 361 | 257 | 187 |
| | N | 8 | | 11 | 12 | 11 | 12 | 6 | | 7 | 11 | 1 | 1 |
| | Er | 223 | | 20.9 | 12.9 | 12.7 | 36.6 | 131 | | 8.0 | 16.6 | - | - |

ISLAND PARK

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

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 N = number of observations
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| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|------------------------|----------|-----------|----|------|------|------|------|------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 9 ^R 1NS | ρ_a | 126 | - | 190 | 232 | 226 | 178 | 211 | - | 200 | 198 | 203 | 121 |
| | N | 9 | | 10 | 11 | 13 | 15 | 14 | | 7 | 16 | 1 | 1 |
| | Er | 16.3 | | 17.0 | 20.1 | 9.24 | 12.6 | 29.2 | | 7.86 | 8.9 | - | - |
| 9 ^R 1EW | ρ_a | 91 | - | 166 | 322 | 324 | 260 | 227 | - | 168 | 153 | 140 | 79 |
| | N | 10 | | 13 | 13 | 13 | 13 | 10 | | 5 | 15 | 1 | 1 |
| | Er | 9.36 | | 9.13 | 14.3 | 10.9 | 10.5 | 41.0 | | 45.4 | 5.26 | - | - |
| 10 ^R NS | ρ_a | 267 | - | 251 | 744 | 496 | 186 | - | - | 903 | 403 | 1249 | 189 |
| | N | 9 | | 9 | 10 | 11 | 10 | | | 8 | 10 | 1 | 1 |
| | Er | 45. | | 29. | 66. | 17. | 30.7 | | | 184. | 21. | - | - |
| 10 ^R 1EW | ρ_a | 66 | - | 199 | 583 | 487 | 600 | - | - | 2363 | 708 | 693 | 454 |
| | N | 4 | | 10 | 10 | 13 | 10 | | | 8 | 11 | 1 | 1 |
| | Er | 12. | | 18.7 | 46. | 33. | 87. | | | 263. | 62.7 | - | - |
| | ρ_a | | | | | | | | | | | | |
| | N | | | | | | | | | | | | |
| | Er | | | | | | | | | | | | |
| | ρ_a | | | | | | | | | | | | |
| | N | | | | | | | | | | | | |
| | Er | | | | | | | | | | | | |
| | ρ_a | | | | | | | | | | | | |
| | N | | | | | | | | | | | | |
| | Er | | | | | | | | | | | | |

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|----------|----|-----------|----|-------|-------|------|-------|------|------|--------|-------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| | pa | | | | | | | | | | | | |
| | N | | | | | | | | | | | | |
| | Er | | | | | | | | | | | | |
| 11 NS | pa | 247 | | 194 | 279 | 181 | 153 | | | 1437 | 457 | 1290 | 468 |
| | N | 8 | | 14 | 12 | 12 | 11 | | | 8 | 12 | | 10 |
| | Er | 27.18 | | 25.34 | 18.03 | 5.79 | 16.86 | | | 256.6 | 11.28 | | 32.73 |
| 11 EW | pa | 426 | | 367 | 415 | 226 | 453 | 1590 | | 1682 | 576 | 725 | 396 |
| | N | 13 | | 13 | 12 | 12 | 11 | | | 7 | 12 | | 7 |
| | Er | 68.03 | | 26.03 | 25.8 | 8.35 | 86.87 | | | 463.29 | 37.99 | | 17.3 |
| 12 NS | pa | 104 | | 97 | 90 | 103 | 181 | 340 | | 180 | 169 | 143 | 94 |
| | N | 7 | | 10 | 13 | 10 | 11 | 12 | | 11 | 10 | 9 | 7 |
| | Er | 13.7 | | 18.7 | 13.9 | 11.7 | 16.6 | 28 | | 13.0 | 7.8 | 13.7 | 5.9 |
| 12 EW | pa | 136 | | 93 | 88 | 51 | 104 | 90 | | 237 | 210 | 249 | 115 |
| | N | 6 | | 10 | 10 | 10 | 11 | 10 | | 10 | 10 | | 10 |
| | Er | 17 | | 6.7 | 5.6 | 3.8 | 14.5 | 22 | | 45 | 10.7 | | 9.5 |
| 13 NS | pa | 12.7 | | 20.6 | 32.2 | 72 | 92 | | | 352 | 549 | 589 | 305 |
| | N | 7 | | 12 | 17 | 13 | 12 | | | 3 | 15 | | |
| | Er | 1.67 | | 2.5 | 1.99 | 2.87 | 6.35 | | | 19.2 | 133 | | |
| 13 EW | pa | 10 | | 20 | 41 | 84 | 165 | | | 1137 | 655 | 589 | 315 |
| | N | 5 | | 10 | 17 | 15 | 11 | | | 8 | 14 | | |
| | Er | 1.22 | | 1.65 | 2.31 | 2.29 | 2.13 | | | 99.6 | 17.3 | | |
| | pa | | | | | | | | | | | | |
| | N | | | | | | | | | | | | |
| | Er | | | | | | | | | | | | |

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| | | FREQUENCY | | | | | | | | | | | |
|----------|-------|-----------|----|-------|-------|-------|-------|--------|------|--------|-------|-------|-------|
| Sta. No. | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 14 | NS pa | 117 | - | 144 | 240 | 205 | 246 | 284 | - | 728 | 327 | 375 | 143 |
| | N | 4 | | 10 | 11 | 12 | 13 | 9 | | 12 | 11 | 1 | 1 |
| | Er | 8.74 | | 10.0 | 8.35 | 19.2 | 29.27 | 55.78 | | 65.29 | 16.13 | - | - |
| 14 | EW pa | 135 | - | 215 | 358 | 276 | 283 | 341 | - | 960 | 362 | 287 | 111 |
| | N | 6 | | 10 | 9 | 12 | 15 | 14 | | 11 | 6 | 1 | 1 |
| | Er | 5.9 | | 13 | 13.17 | 15.35 | 9.32 | 30.29 | | 90.54 | 10.46 | - | - |
| 15 | NS pa | 343 | - | 231 | 420 | 522 | 916 | 1256 | - | 2288 | 740 | 500 | 540 |
| | N | 10 | | 10 | 14 | 16 | 11 | 12 | | 13 | 11 | 5 | 1 |
| | Er | 18.51 | | 21.83 | 24.46 | 15.7 | 75.03 | 132 | | 195.72 | 29.67 | 16.58 | - |
| 15 | EW pa | 366 | - | 370 | 484 | 592 | 1048 | 1475 | - | 1721 | 728 | 439 | 409 |
| | N | 8 | | 7 | 7 | 10 | 12 | 15 | | 13 | 11 | 1 | 1 |
| | Er | 57.16 | | 18.2 | 16.97 | 22.78 | 94.75 | 186.84 | | 135.58 | - | - | - |
| 16 | NS pa | 1034 | - | 862 | 563 | 1273 | 1552 | 3699 | - | 6092 | 1314 | 1593 | 3422 |
| | N | 9 | | 12 | 15 | 10 | 10 | 10 | | 10 | 7 | 1 | 1 |
| | Er | 90 | | 18 | 46 | 35 | 172 | 142 | | 240 | 116 | - | - |
| 16 | EW pa | 445 | - | 238 | 563 | 725 | 1184 | 2244 | - | 5603 | 967 | 616 | 1300 |
| | N | 4 | | 7 | 6 | 8 | 8 | 11 | | 8 | 6 | 1 | 1 |
| | Er | 90 | | 153 | 24.35 | 133 | 150 | 359 | | 618 | 38.85 | - | - |
| 17 | NS pa | 109 | - | 147 | 206 | 332 | 846 | 635 | - | 3213 | 498 | 435 | 539 |
| | N | 13 | | 14 | 11 | 14 | 15 | 13 | | 9 | 11 | 4 | 1 |
| | Er | 14.42 | | 12.71 | 4.66 | 5.12 | 32.71 | 47.53 | | 388 | 19.56 | 55.11 | - |
| 17 | EW pa | 61 | - | 88 | 126 | 235 | 540 | 654 | - | 1823 | 548 | 661 | 306 |
| | N | 5 | | 13 | 11 | 10 | 13 | 13 | | 7 | 13 | 1 | 1 |
| | Er | 5.58 | | 9.26 | 7.21 | 9.75 | 63.28 | 73.86 | | 141 | 31.22 | - | - |

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|----------|----|-----------|----|------|-----|------|------|------|------|-------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 18 NS | pa | 17 | - | 129 | 218 | 313 | 213 | 125 | - | 429 | 440 | 277 | 166 |
| | N | 5 | | 12 | 11 | 13 | 12 | 8 | | 12 | 12 | 1 | 1 |
| | Er | 3.8 | | 18.3 | 6.8 | 8.97 | 7.5 | 11.1 | | 60.4 | 21.7 | - | - |
| 18 EW | pa | 12 | - | 49 | 120 | 260 | 253 | 120 | - | 883 | 458 | 547 | 221 |
| | N | 6 | | 9 | 12 | 11 | 8 | 11 | | 8 | 9 | 1 | 1 |
| | Er | 1.9 | | 3.8 | 6.8 | 8.47 | 17.6 | 9.2 | | 94.9 | | - | - |
| 19 NS | pa | 31 | - | 35 | 62 | 78 | 83 | 50 | - | 43 | 210 | 34 | 54 |
| | N | 5 | | 9 | 11 | 10 | 12 | 4 | | | 12 | 1 | 1 |
| | Er | 7.6 | | 2.8 | 3.1 | 3.8 | 5.9 | 5.8 | | | 10 | - | - |
| 19 EW | pa | 46 | - | 47 | 65 | 72 | 71 | 68 | - | 168 | 396 | 187 | 92 |
| | N | 5 | | 9 | 14 | 11 | 8 | 8 | | 5 | 13 | 1 | 1 |
| | Er | 3.5 | | 4.4 | 3.4 | 2.8 | 2.9 | 7.1 | | 8.8 | 15 | - | - |
| 20 NS | pa | 21 | - | 43 | 81 | 129 | 180 | 437 | - | 411 | 406 | 270 | 325 |
| | N | 7 | | 10 | 14 | 11 | 10 | 7 | | 3 | 11 | 1 | 1 |
| | Er | 1.8 | | 6.5 | 3.3 | 7.7 | 18.5 | 70.0 | | 50.7 | 34.2 | - | - |
| 20 EW | pa | 29 | - | 50 | 78 | 116 | 207 | 590 | - | 1675 | 440 | 410 | 235 |
| | N | 11 | | 13 | 10 | 12 | 10 | 6 | | 5 | 12 | 1 | 1 |
| | Er | 4.16 | | 6.25 | 1.9 | 3.68 | 25.4 | 64.4 | | 144.7 | 16.1 | - | - |
| 21 NS | pa | 99 | - | 100 | 126 | 125 | 162 | 231 | - | 452 | 333 | 586 | 132 |
| | N | 8 | | 18 | 12 | 11 | 11 | 12 | | 14 | 8 | 1 | 1 |
| | Er | 10 | | 16 | 9.2 | 8.6 | 20 | 44 | | 28 | 19 | - | - |
| 21 EW | pa | 71 | - | 77 | 93 | 200 | 210 | 324 | - | 480 | 482 | 402 | 205 |
| | N | 3 | | 9 | 10 | 15 | 9 | 10 | | 17 | 14 | 1 | 1 |
| | Er | 2.7 | | 7.7 | 7.5 | 21 | 21 | 34 | | 35 | 35 | - | - |

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|----------|----|-----------|------|----|------|------|------|-------|-------|------|-------|-------|-------|-----|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K | |
| 22 | NS | pa | 84 | - | 80 | 106 | 134 | 160 | 167 | - | 620 | 581 | 833 | 683 |
| | | N | 5 | | 7 | 9 | 12 | 6 | 7 | | 11 | 9 | 1 | 1 |
| | | Er | 13.3 | | 12.6 | 20.4 | 4.2 | 25.4 | 14.6 | | 14.7 | 58.7 | - | - |
| 22 | EW | pa | 64 | - | 88 | 87 | 118 | 169 | 185 | - | 504 | 855 | 408 | 391 |
| | | N | 6 | | 7 | 10 | 14 | 6 | 10 | | 13 | 11 | 1 | 1 |
| | | Er | 7.1 | | 11.9 | 5.9 | 5.5 | 14.1 | 15.8 | | 46.5 | 55.0 | - | - |
| 23 | NS | pa | 33 | - | 49 | 80 | 110 | 199 | 290 | - | 403 | 431 | 350 | 325 |
| | | N | 4 | | 10 | 11 | 10 | 10 | 12 | | 11 | 11 | 1 | 1 |
| | | Er | 4.6 | | 4 | 4.4 | 3.6 | 13 | 27 | | 33 | 15 | - | - |
| 23 | EW | pa | 52 | - | 62 | 82 | 118 | 200 | 252 | - | 454 | 382 | 457 | 161 |
| | | N | 10 | | 10 | 12 | 11 | 10 | 11 | | 12 | 13 | 1 | 1 |
| | | Er | 5.9 | | 6.2 | 2.9 | 3.7 | 20.1 | 16.8 | | 16.8 | 21 | - | - |
| 24 | NS | pa | 57 | - | 126 | 221 | 489 | 1139 | 1613 | - | 2423 | 1192 | 1049 | 870 |
| | | N | 1 | | 6 | 7 | 9 | 7 | 8 | | 10 | 9 | 3 | 1 |
| | | Er | | | 20.8 | 35.7 | 32.3 | 102.5 | 157 | | 256.8 | 139.2 | 360 | - |
| 24 | EW | pa | 85 | - | 107 | 167 | 359 | 947 | 1160 | - | 2851 | 1534 | 1445 | 873 |
| | | N | 2 | | 10 | 8 | 9 | 8 | 8 | | 11 | 10 | 4 | 1 |
| | | Er | 13.4 | | 14 | 16.5 | 27.0 | 92 | 175.3 | | 353.7 | | 15.1 | - |
| 25 | NS | pa | 25 | - | 49 | 119 | 260 | 188 | 134 | - | 155 | 201 | 344 | 67 |
| | | N | 3 | | 7 | 9 | 14 | 12 | 12 | | 9 | 10 | 1 | 1 |
| | | Er | 0.8 | | 7.8 | 5.6 | 33 | 12.5 | 22.7 | | 4.8 | 9.4 | - | - |
| 25 | EW | pa | 18 | - | 44 | 133 | 261 | 178 | 71 | - | 188 | 270 | 235 | 117 |
| | | N | 3 | | 10 | 11 | 10 | 11 | 8 | | 13 | 10 | 1 | 1 |
| | | Er | 2.4 | | 4.8 | 10.6 | 17.6 | 16.6 | 7.0 | | 13 | 8.7 | - | - |

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|----------|----|-----------|-----|----|-----|-----|------|-------|-------|------|------|-------|-------|-----|
| Sta. No. | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K | |
| 26 | NS | ρ_a | 35 | — | 48 | 121 | 244 | 705 | 946 | — | 486 | 429 | 1450 | 205 |
| | | N | 4 | | 8 | 9 | 10 | 8 | 9 | | 9 | 10 | 1 | 1 |
| | | Er | 7.8 | | 4.8 | 9.5 | 54.6 | 58.9 | 161.5 | | 43.5 | 15.6 | — | — |
| 26 | EW | ρ_a | 40 | — | 99 | 134 | 404 | 686 | 1697 | — | 582 | 545 | 593 | 272 |
| | | N | 8 | | 8 | 12 | 12 | 11 | 10 | | 10 | 15 | 1 | 1 |
| | | Er | 4.5 | | 7.8 | 7.9 | 24.2 | 106.3 | 545.2 | | 53.8 | 28.96 | — | — |
| 27 | NS | ρ_a | 55 | — | 47 | 148 | 225 | 273 | 402 | — | 312 | 263 | 326 | 133 |
| | | N | 7 | | 8 | 11 | 11 | 13 | 10 | | 11 | 11 | 3 | 1 |
| | | Er | 5.4 | | 3.8 | 17 | 11 | 17 | 41 | | 35 | 10.6 | 43 | — |
| 27 | EW | ρ_a | 47 | — | 68 | 156 | 409 | 265 | 747 | — | 415 | 355 | 427 | 229 |
| | | N | 6 | | 8 | 12 | 14 | 9 | 10 | | 13 | 15 | 1 | 1 |
| | | Er | 8.6 | | 8.8 | 11 | 45 | 25 | 134 | | 28 | 8.1 | — | — |
| 28 | NS | ρ_a | 32 | — | 48 | 113 | 144 | 188 | 278 | — | 577 | 359 | 185 | 198 |
| | | N | 6 | | 9 | 10 | 9 | 11 | 11 | | 10 | 9 | 4 | 1 |
| | | Er | 8.8 | | 3.7 | 8.8 | 4.7 | 18.9 | 13.8 | | 18.4 | 6.4 | 7.23 | — |
| 28 | EW | ρ_a | 33 | — | 40 | 70 | 125 | 255 | 293 | — | 311 | 289 | 193 | 121 |
| | | N | 6 | | 9 | 11 | 12 | 10 | 6 | | 9 | 11 | 1 | 1 |
| | | Er | 5.2 | | 4.9 | 6.5 | 15.5 | 24.5 | 50.8 | | 24.9 | 21.9 | — | — |
| 29 | NS | ρ_a | 19 | — | 12 | 36 | 47 | 51 | 80 | — | 158 | 120 | 116 | 140 |
| | | N | 7 | | 7 | 8 | 8 | 8 | 6 | | 9 | 8 | 1 | 1 |
| | | Er | 1.9 | | 1.2 | 2.8 | 2.2 | 4.0 | 13 | | 21 | 23 | — | — |
| 29 | EW | ρ_a | 22 | — | 21 | 45 | 76 | 48 | 43 | — | 105 | 116 | 116 | 130 |
| | | N | 5 | | 7 | 9 | 9 | 10 | 9 | | 9 | 12 | 1 | 1 |
| | | Er | 3.9 | | 1.9 | 3.4 | 3.4 | 2.6 | 6 | | 9.4 | 3.4 | — | — |

ISLAND PARK

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| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|------------------|----|-----------|----|------|------|------|------|------|------|------|-------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 30 _{NS} | pa | 41 | - | 28 | 61 | 70 | 48 | 45 | - | 65 | 119 | 130 | 19 |
| | N | 5 | | 8 | 12 | 11 | 11 | 9 | | 9 | 11 | 1 | 1 |
| | Er | 25.9 | | 20.4 | 5.5 | 2.1 | 3.3 | 9.3 | | 11 | 5.6 | - | - |
| 30 _{EW} | pa | 15 | - | 42 | 98 | 166 | 68 | 39 | - | 90 | 158 | 147 | 93 |
| | N | 4 | | 10 | 10 | 11 | 9 | 8 | | 11 | 9 | 1 | 1 |
| | Er | 2.4 | | 4.5 | 9.6 | 6.0 | 4.3 | 7.5 | | 5.6 | 21.7 | - | - |
| 31 _{NS} | pa | 36 | - | 60 | 215 | 197 | 140 | 79 | - | 96 | 81 | 64 | 44 |
| | N | 4 | | 11 | 10 | 10 | 12 | 11 | | 11 | 10 | 1 | 1 |
| | Er | 6 | | 4.9 | 11 | 6 | 16.5 | 8.8 | | 5.6 | 2 | - | - |
| 31 _{EW} | pa | 25 | - | 98 | 116 | 172 | 177 | 115 | - | 74 | 74 | 60 | 40 |
| | N | 5 | | 12 | 10 | 10 | 12 | 13 | | 9 | 12 | 1 | 1 |
| | Er | 10 | | 16 | 7 | 9 | 12 | 15 | | 6 | 1.3 | - | - |
| 32 _{NS} | pa | 123 | - | 16.9 | 148 | 181 | 165 | 89 | - | 196 | 112 | 149 | 114 |
| | N | 7 | | 10 | 10 | 8 | 6 | 11 | | 9 | 9 | 1 | 1 |
| | Er | 20 | | 19.5 | 10.8 | 8.6 | 8.6 | 4.3 | | 17.8 | 6.8 | - | - |
| 32 _{EW} | pa | 103 | - | 131 | 225 | 206 | 184 | 137 | - | 235 | 183 | 126 | 109 |
| | N | 6 | | 9 | 12 | 11 | 9 | 9 | | 10 | 11 | 1 | 1 |
| | Er | 18.4 | | 14.3 | 17.6 | 12.9 | 19.2 | 10.3 | | 18.6 | 14.26 | - | - |
| 33 _{NS} | pa | 45 | - | 61 | 101 | 94 | 83 | 121 | - | 159 | 129 | 105 | 114 |
| | N | 10 | | 10 | 9 | 9 | 8 | 10 | | 13 | 10 | 1 | 1 |
| | Er | 5.2 | | 4.6 | 6.2 | 7.8 | 7.1 | 11 | | 14 | 4.9 | - | - |
| 33 _{EW} | pa | 92 | - | 79 | 95 | 94 | 89 | 81 | - | 114 | 119 | 108 | 92 |
| | N | 7 | | 10 | 11 | 8 | 11 | 12 | | 12 | 11 | 1 | 1 |
| | Er | 12 | | 5.7 | 4.3 | 2.4 | 6.4 | 11 | | 9 | 4.8 | - | - |

HSLAND PARK

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres
 N = number of observations
 Er = standard error in ohm metres - = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|----------|----|-----------|----|------|-------|------|------|------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 34 NS | pa | 35 | - | 53 | 123 | 213 | 313 | 317 | - | | 528 | 790 | 237 |
| | N | 6 | | 10 | 11 | 10 | 8 | 3 | | 5 | 6 | 1 | 1 |
| | Er | 6.0 | | 4.8 | 7.7 | 8.3 | 26.8 | 23 | | 96.7 | 30 | - | - |
| 34 EW | pa | 52 | - | 160 | 278 | 331 | 441 | - | - | - | 647 | 426 | 131 |
| | N | 8 | | 11 | 10 | 11 | 9 | | | | 11 | 1 | 1 |
| | Er | 5.9 | | 13.1 | 18.4 | 16.2 | 23.5 | | | | 64.7 | - | - |
| 35 NS | pa | 39 | - | 59 | 150 | 138 | 116 | 69 | - | 133 | 132 | 98 | 103 |
| | N | 7 | | 11 | 11 | 13 | 13 | 8 | | 8 | 10 | 1 | 1 |
| | Er | 5.5 | | 4.5 | 12 | 6.3 | 6.1 | 6.4 | | 9.6 | 3.3 | - | - |
| 35 EW | pa | 64 | - | 148 | 253 | 269 | 276 | 206 | - | 494 | 304 | 255 | 185 |
| | N | 13 | | 16 | 4 | 12 | 17 | 10 | | 11 | 12 | 1 | 1 |
| | Er | 8.6 | | 17 | 13 | 12 | 14 | 38 | | 49 | 7.6 | - | - |
| 36 NS | pa | 120 | - | 160 | 201 | 228 | 225 | 60 | - | 338 | 337 | 319 | 167 |
| | N | 10 | | 10 | 10 | 8 | 11 | 4 | | 10 | 9 | 1 | 1 |
| | Er | 23.1 | | 10.4 | 12.02 | 14.7 | 0 | 5.3 | | 50.4 | 13.1 | - | - |
| 36 EW | pa | 80 | - | 144 | 303 | 332 | 324 | 393 | - | 358 | 326 | 267 | 174 |
| | N | 7 | | 9 | 11 | 12 | 9 | 13 | | 10 | 12 | 2 | 1 |
| | Er | 11.9 | | 17.1 | 22.7 | 21.9 | 9.9 | 60.3 | | 27.3 | 16.6 | 3.2 | - |
| 37 NS | pa | 72 | - | 139 | 276 | 313 | 234 | - | - | 318 | 256 | 355 | 183 |
| | N | 5 | | 12 | 11 | 9 | 10 | | | 9 | 10 | 1 | 1 |
| | Er | 13 | | 17 | 28 | 15 | 14 | | | 65 | 4.6 | - | - |
| 37 EW | pa | 67 | - | 137 | 311 | 339 | 217 | 336 | - | 523 | 278 | 259 | 217 |
| | N | 4 | | 12 | 12 | 11 | 11 | 7 | | 10 | 10 | 1 | 1 |
| | Er | 2.9 | | 10 | 17 | 20 | 13 | 35 | | 54 | 27 | - | - |

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

- = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | | |
|----------|----|-----------|------|----|------|------|-----|------|------|------|------|-------|-------|-----|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K | |
| 38 | NS | pa | 48 | - | 93 | 153 | 195 | 153 | 147 | - | 212 | 160 | 203 | 89 |
| | | N | 8 | | 8 | 11 | 11 | 10 | 8 | | 13 | 12 | 1 | 1 |
| | | Er | 2.7 | | 6.2 | 13 | 8 | 6.1 | 16.0 | | 25 | 4.2 | - | - |
| 38 | EW | pa | 118 | - | 165 | 240 | 205 | 176 | 200 | - | 137 | 182 | 137 | 174 |
| | | N | 8 | | 13 | 14 | 12 | 13 | 10 | | 10 | 10 | 1 | 1 |
| | | Er | 13 | | 13.6 | 18.2 | 4.1 | 6.2 | 21.3 | | 8.8 | 6.2 | - | - |
| 39 | NS | pa | 450? | - | 455 | 547 | 442 | 335 | 397 | - | 400 | 308 | 214 | 325 |
| | | N | 13 | | 11 | 13 | 14 | 11 | 10 | | 11 | 11 | 1 | 1 |
| | | Er | 148 | | 26 | 66 | 28 | 43 | 26 | | 24 | 17 | - | - |
| 39 | EW | pa | 355 | - | 377 | 495 | 367 | 258 | 323 | - | 326 | 373 | 303 | 346 |
| | | N | 4 | | 12 | 13 | 11 | 12 | 10 | | 11 | 11 | 1 | 1 |
| | | Er | 66 | | 30 | 51 | 26 | 19 | 36 | | 23 | 6.8 | - | - |
| 40 | NS | pa | 64 | - | 124 | 209 | 256 | 180 | 132 | - | 300 | 260 | 969 | 169 |
| | | N | 6 | | 9 | 12 | 12 | 14 | 7 | | 7 | 14 | 4 | 1 |
| | | Er | 2.5 | | 4.7 | 3.9 | 3.7 | 2.7 | 2.8 | | 14.2 | 2.4 | 64.1 | - |
| 40 | EW | pa | 35 | - | 64 | 102 | 150 | 227 | 489 | - | 354 | 212 | 165 | 134 |
| | | N | 6 | | 10 | 10 | 11 | 11 | 12 | | 7 | 11 | 1 | 1 |
| | | Er | 3.1 | | 7.8 | 5.5 | 7.6 | 19.7 | 77.9 | | 44.8 | 10.1 | - | - |
| 41 | NS | pa | 34 | - | 57 | 234 | 391 | 455 | 157 | - | 233 | 301 | 144 | 190 |
| | | N | 8 | | 8 | 11 | 15 | 12 | 11 | | 11 | 11 | 1 | 1 |
| | | Er | 4.0 | | 4.5 | 33 | 24 | 30 | 20 | | 12 | 10 | - | - |
| 41 | EW | pa | 100 | - | 120 | 296 | 388 | 688 | 1208 | - | 548 | 292 | 226 | 226 |
| | | N | 4 | | 11 | 12 | 12 | 14 | 12 | | 12 | 11 | 1 | 1 |
| | | Er | 8 | | 3 | 6 | 2.5 | 11 | 30 | | 10 | 5.6 | - | - |

ISLAND PARK

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

- = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|----------|-------|-----------|----|------|------|------|------|-------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 42 | NS pa | 31 | - | 47 | 112 | 206 | 219 | 89 | - | 219 | 246 | 164 | 180 |
| | N | 7 | | 6 | 10 | 10 | 12 | 11 | | 7 | 12 | 5 | 1 |
| | Er | 3.2 | | 4.9 | 6.3 | 11.9 | 18.2 | 5.2 | | 37.9 | 8.5 | 5.2 | - |
| 42 | EW pa | 39 | - | 91 | 181 | 228 | 282 | 749 | - | 459 | 188 | 193 | 223 |
| | N | 7 | | 12 | 10 | 12 | 11 | 12 | | 10 | 11 | 1 | 1 |
| | Er | 4.13 | | 6.7 | 8.5 | 6.3 | 14.3 | 65.7 | | 323 | 15.8 | - | - |
| 43 | NS pa | 94 | - | 98 | 142 | 398 | 667 | 1642 | - | 819 | 746 | 710 | 489 |
| | N | 8 | | 11 | 11 | 13 | 12 | 10 | | 13 | 17 | 1 | 1 |
| | Er | 9.4 | | 8.1 | 7.6 | 10.6 | 75 | 312? | | 75 | 37 | - | - |
| 43 | EW pa | 102 | - | 87 | 151 | 211 | 310 | 2620 | - | 550 | 498 | 530 | 658 |
| | N | 11 | | 12 | 11 | 11 | 12 | 6 | | 15 | 10 | 1 | 1 |
| | Er | 14 | | 7.5 | 12 | 8.7 | 21 | 256? | | 47 | 42 | - | - |
| 44 | NS pa | 283 | - | 374 | 554 | 800 | 1080 | 932 | - | 473 | 418 | 236 | 401 |
| | N | 12 | | 10 | 10 | 11 | 11 | 10 | | 12 | 10 | 5 | 1 |
| | Er | 58.4 | | 45.4 | 45.2 | 30.3 | 43.6 | 105.2 | | 20.2 | 23.7 | 16.6 | - |
| 44 | EW pa | 179 | - | 213 | 342 | 505 | 806 | 978 | - | 373 | 322 | 379 | 282 |
| | N | 9 | | 13 | 10 | 14 | 11 | 10 | | 10 | 10 | 1 | 1 |
| | Er | 25.3 | | 11.9 | 12.8 | 19.8 | 65 | 106.9 | | 37.7 | 14 | - | - |
| 45 | NS pa | 51 | - | 45 | 59 | 77 | 75 | 78 | - | 118 | 83 | 51 | 73 |
| | N | 3 | | 9 | 9 | 11 | 9 | 11 | | 11 | 16 | 1 | 1 |
| | Er | 15.6 | | 7.8 | 4.3 | 4.6 | 2.7 | 13.9 | | 14.9 | 5.5 | - | - |
| 45 | EW pa | 140 | - | 127 | 131 | 129 | 73 | 65 | - | 190 | 124 | 98 | 141 |
| | N | 5 | | 11 | 12 | 12 | 11 | 10 | | 11 | 11 | 1 | 1 |
| | Er | 18 | | 11 | 6 | 4.4 | 5.6 | 7.9 | | 17.6 | 7.5 | - | - |

ISLAND PARK

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

- = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | |
|------------------|----|-----------|----|------|------|------|------|-------|------|------|------|-------|-------|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K |
| 46 _{NS} | pa | 38 | - | 26 | 91 | 103 | 51 | 30 | - | 50 | 81 | 72 | 34 |
| | N | 5 | | 9 | 11 | 10 | 13 | 10 | | 11 | 11 | 1 | 1 |
| | Er | 6.3 | | 4.5 | 5.6 | 4.2 | 3.25 | 2.4 | | 2.3 | 2.6 | - | - |
| 46 _{EW} | pa | 82 | - | 85 | 135 | 99 | 44 | 25 | - | 57 | 61 | 71 | 30 |
| | N | 7 | | 12 | | 8 | 5 | 8 | | 10 | 11 | 3 | 1 |
| | Er | 8 | | 7.2 | | 7.2 | 3.4 | 2.7 | | 2.8 | 2.5 | 4.7 | - |
| 47 _{NS} | pa | 143 | - | 298 | 520 | 583 | 380 | 904 | - | 529 | 460 | 226 | 129 |
| | N | 5 | | 11 | 10 | 11 | 12 | 14 | | 9 | 10 | 1 | 1 |
| | Er | 17 | | 30 | 24 | 20 | 30 | 87 | | 40 | 22 | - | - |
| 47 _{EW} | pa | 384 | - | 605 | 754 | 1033 | 795 | 782 | - | 1278 | 505 | 452 | 380 |
| | N | 10 | | 10 | 11 | 10 | 13 | 12 | | 13 | 13 | 1 | 1 |
| | Er | 40.6 | | 76 | 26 | 35 | 65 | 93 | | 155 | 34 | - | - |
| 48 _{NS} | pa | 106 | - | 156 | 259 | 405 | 371 | 400 | - | 1013 | 688 | 432 | 297 |
| | N | 5 | | 7 | 11 | 11 | 11 | 6 | | 9 | 10 | 1 | 1 |
| | Er | 16.6 | | 12.2 | 13.1 | 22.5 | 11.0 | 35.7 | | 72.4 | 22 | - | - |
| 48 _{EW} | pa | 138 | - | 157 | 240 | 340 | 785 | 1451 | - | 2013 | 800 | 465 | 379 |
| | N | 8 | | 8 | 10 | 8 | 11 | 11 | | 9 | 11 | 1 | 1 |
| | Er | 17.3 | | 13 | 17.8 | 9.8 | 65.2 | 167.6 | | 33.4 | 29 | - | - |
| 49 _{NS} | pa | 140 | - | 322 | 436 | 416 | 567 | - | - | 535 | 391 | 162 | 142 |
| | N | | | 10 | 10 | 10 | 11 | | | 7 | 11 | 1 | 1 |
| | Er | | | 55 | 68 | 30 | 36 | | | 67 | 10 | - | - |
| 49 _{EW} | pa | 208 | - | 703 | 557 | 132 | 855 | - | - | 508 | 335 | 308 | 168 |
| | N | 5 | | 22 | 11 | 12 | 10 | | | 6 | 10 | 1 | 1 |
| | Er | 13 | | 68 | 23 | 24 | 83 | | | 54 | 16.6 | - | - |

U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG

pa = observed apparent resistivity in ohm-metres

N = number of observations

Er = standard error in ohm metres

- = no data

"NOTE" - Telluric line orientation indicated with station numbers.

| Sta. No. | | FREQUENCY | | | | | | | | | | | | |
|----------|----|-----------|------|----|------|------|------|-------|-------|------|-------|-------|-------|-----|
| | | 7.5 | 10 | 14 | 27 | 76 | 285 | 685 | 1.2K | 3.3K | 6.7K | 10.2K | 18.6K | |
| 50 | NS | pa | 35 | - | 42 | 50 | 72 | 95 | 228 | - | 127 | 221 | 106 | 104 |
| | | N | 5 | | 9 | 11 | 12 | 11 | 12 | | 11 | 11 | 1 | 1 |
| | | Er | 2.7 | | 5.6 | 4.4 | 2.6 | 6.7 | 30.9 | | 11.4 | 8.08 | - | - |
| 50 | EW | pa | 84 | - | 100 | 164 | 166 | 204 | 409 | - | 372 | 384 | 295 | 170 |
| | | N | 11 | | 12 | 11 | 12 | 10 | 12 | | 11 | 15 | 1 | 1 |
| | | Er | 8.28 | | 6.14 | 8.8 | 11.9 | 15.4 | 24. | | 33. | 102. | - | - |
| 51 | NS | pa | 471 | - | 407 | 323 | 347 | 560 | 1200 | - | 621 | 284 | 197 | 159 |
| | | N | 11 | | 12 | 10 | 10 | 14 | 16 | | 11 | 10 | 1 | 1 |
| | | Er | 49 | | 42 | 21 | 30 | 64 | 106 | | 70 | 8.2 | - | - |
| 51 | EW | pa | 143 | - | 223 | 181 | 232 | 326 | 992 | - | 433 | 276 | 177 | 177 |
| | | N | 11 | | 7 | 12 | 11 | 11 | 12 | | 10 | 11 | 1 | 1 |
| | | Er | 15 | | 14 | 6.3 | 10.7 | 35 | 116 | | 47 | 10 | - | - |
| 52 | NS | pa | 298 | - | 506 | 866 | 1023 | 1062 | 1579 | - | 1950 | 595 | 592 | 425 |
| | | N | 12 | | 12 | 11 | 13 | 10 | 10 | | 12 | 12 | 1 | 1 |
| | | Er | 37.4 | | 41.4 | 54.2 | 68.9 | 152.7 | 259.8 | | 158.1 | 40 | - | - |
| 52 | EW | pa | 429 | - | 428 | 1199 | 1414 | 862 | 1317 | - | 1574 | 702 | 591 | 605 |
| | | N | 6 | | 12 | 12 | 13 | 11 | 4 | | 10 | 11 | 1 | 1 |
| | | Er | 47.6 | | 70.3 | 49.6 | 33.9 | 44.4 | 198.9 | | 77.9 | 39.4 | - | - |
| 53 | NS | pa | 19 | - | 45 | 85 | 148 | 341 | 341 | - | 78 | 167 | 141 | 59 |
| | | N | 3 | | 8 | 12 | 13 | 12 | 6 | | 5 | 12 | 1 | 1 |
| | | Er | 0.9 | | 3.8 | 8.0 | 4.8 | 5.2 | 36 | | 5.7 | 4.1 | - | - |
| 53 | EW | pa | 31 | - | 29 | 65 | 137 | 242 | 644 | - | 170 | 160 | 109 | 143 |
| | | N | 7 | | 11 | 13 | 11 | 13 | 10 | | 11 | 14 | 1 | 1 |
| | | Er | 3.7 | | 2.8 | 4.1 | 17.5 | 6.2 | 50 | | 12 | 7.0 | - | - |

